Those persons wishing to speak on any item included on the agenda, or on any matter within the subject matter jurisdiction of the Planning Commission, are invited to fill out and submit to the Recording Secretary a "Request to Speak" form (name and address optional) which is available at the entrance to the City Council Chambers. Additionally, members of the public may submit electronic inquiries or comments by submitting emails to Planning@cityofchino.org no later than 5:00 p.m. the day of the meeting.

If you require a reasonable accommodation to participate in this meeting per your rights under the Americans with Disabilities Act or for any other reason, please contact the City Clerk's Office at (909) 334-3306 at least 48 hours prior to the advertised starting time of the meeting.

Any documents produced by the City and distributed to a majority of the Planning Commission regarding any item on this agenda will be made available in the Development Services Department during normal business hours at City Hall located at 13220 Central Avenue, Chino. In addition, such documents will be posted on the City's website at www.cityofchino.org.

CHINO PLANNING COMMISSION

CITY HALL COUNCIL CHAMBERS
13220 CENTRAL AVENUE
CHINO, CA 91710

WEDNESDAY, MAY 20, 2026 AT 6:00 PM

REGULAR MEETING

AGENDA

FLAG SALUTE

ROLL CALL

Planning Commission Members: Lissa Fraga (Chairperson), Vincent Lopez (Vice Chairperson), Jimmy Alexandris, Brandon Blanchard, Kevin Cisneroz, Annmarie Lemento, Lawrence Vieira.

ANNOUNCEMENTS

PUBLIC COMMUNICATIONS

At this time, members of the public may address the Planning Commission on subjects that do not appear on the agenda. Please state your name for the record and limit your remarks to three minutes. If you have an item that will require discussion, please request that the item be placed on the next Planning Commission meeting agenda.

CONSENT CALENDAR

At this time, members of the public may present testimony as to why an item should be removed from the Consent Calendar for separate discussion. Unless a member of the public or Planning Commission requests that an item be removed from the Consent Calendar, all items will be acted upon on one summary vote. Items removed from the Consent Calendar will be acted upon separately, following the Public Hearing procedures.

1. Minutes of the Regular Meeting of the Planning Commission of April 15, 2026. Approve Regular Meeting Minutes of April 15, 2026 (All Members Present).

2. Review Proposed Fiscal Year 2026-27 Capital Improvement Program Project List for General Plan Conformance and Review Environmental Determinations. Find the proposed CIP project list consistent with the City's General Plan, and the environmental determinations for the City's CIP projects to be categorically exempt in accordance with CEQA guidelines and the environmental guidelines of the City.

PUBLIC HEARING

The public will be given an opportunity to speak on each of the items listed below. Following a presentation and questions from the Planning Commission to staff, the chairperson will open the public hearing. At that time, the applicant will be permitted ten minutes to present their case. Members of the public will then be permitted five minutes to speak. After all have spoken, the applicant is permitted three minutes to summarize. The public hearing is then closed; however, the Planning Commission may, at its discretion, reopen the public hearing to receive additional public testimony. It is requested, but not required, that any members of the public addressing the Planning Commission state their name for the record prior to making your remarks.

3. PL24-0086 (Special Conditional Use Permit) A request to operate a heavy processing recycling facility for electronic waste at an existing recycling facility.

   Staff Report By: Chris Cortez, Assistant Planner

   RECOMMENDATION: Adopt Planning Commission Resolution No. PC2026-007 approving PL24-0086 (Special Conditional Use Permit), based upon the findings and subject to the departmental conditions of approval.

4. PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit) A request to establish a temporary use for a period of 3 years for a public charter school for Sycamore Academy of Science and Cultural Arts and to construct five modular classroom buildings, totaling 7,200 square feet.

   Staff Report By: Chris Cortez, Assistant Planner

   RECOMMENDATION: Adopt Planning Commission Resolution No. PC2026-008, approving PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit), based upon the findings and subject to the departmental conditions of approval.

5. PL26-0026 (Special Conditional Use Permit) A request for approval to construct and operate a replacement reservoir for the existing Benson Reservoir within the City's Benson Water Treatment Plant, connecting the replacement reservoir to the system, and demolishing the existing reservoir.

   Staff Report By: Chris Cortez, Assistant Planner

   RECOMMENDATION: 1) Adopt Planning Commission Resolution No. PC2026-010, adopting a Mitigated Negative Declaration (MND) for the Benson Reservoir Replacement and Improvements Project; and 2) Adopt Planning Commission Resolution No. PC2026-009, approving PL26-0026 (Special Conditional Use Permit), based upon the findings and subject to the departmental conditions of approval.

6. PL25-0067 (SA) and PL25-0068 (TTM 20794) A request for approval to subdivide and develop a 100-unit residential for-sale project at a density of 26.6 dwelling units per acre on a 3.76 adjusted gross acre site within the CG (General Commercial) zoning district in the Affordable Housing Overlay.

   Staff Report By: Maria Staar, Senior Planner

RECOMMENDATION: Adopt Planning Commission Resolution No. PC2026-004 approving PL25-0067 (Site Approval) and PL25-0068 (Tentative Tract Map 20794), based upon the findings and subject to the departmental conditions of approval).

7. PL25-0032 (Preserve Specific Plan Amendment). Adopt Planning Commission Resolution No. PC2026-006, recommending the City Council approve PL25-0032 (Preserve Specific Plan Amendment), based on the findings listed in the Planning Commission Resolution No. PC2026-006.

Staff Report By: Kim Le, Senior Planner

NEW BUSINESS

DIRECTOR'S REPORT

COMMISSION COMMENTS

ADJOURNMENT

Adjourn to a regular meeting of the Planning Commission on June 17, 2026 at 6 p.m. in these Council Chambers.

I, Natalie Gonzaga, City Clerk of the City of Chino, hereby declare that on Thursday, May 14, 2026 this agenda was posted on the south window of Chino City Hall and this agenda together with all of the agenda reports and related documents were posted on the City's website at www.cityofchino.org by myself or under my direction.

ngonzaga

Natalie Gonzaga, City Clerk.

All Planning Commission decisions may be appealed to the City Council. An appeal of a Planning Commission decision must be filed with the Planning Division within ten (10) calendar days of the decision date.

MEMORANDUM
CITY OF CHINO
DEVELOPMENT SERVICES DEPARTMENT

PLANNING COMMISSION MEETING DATE: MAY 20, 2026

DATE: **MAY 20, 2026**

TO: **CHAIRPERSON AND MEMBERS OF THE PLANNING COMMISSION**

FROM: **ANDREA GILBERT, CITY PLANNER**

SUBJECT

Minutes of the Regular Meeting of the Planning Commission of April 15, 2026.

CHINO PLANNING COMMISSION

REGULAR MEETING - CITY HALL COUNCIL CHAMBERS
13220 CENTRAL AVENUE
CHINO, CA 91710

WEDNESDAY, APRIL 15, 2026

MINUTES

CALL TO ORDER

The April 15, 2026, Regular Meeting of the Chino Planning Commission was called to order at 6:00 pm by Chairperson Lissa Fraga in the Council Chambers.

FLAG SALUTE

The Pledge of Allegiance was led by Commissioner Cisneroz.

ROLL CALL

PRESENT Commissioner Brandon Blanchard, Commissioner Jimmy Alexandris, Commissioner Vincent Lopez, Commissioner Lissa Fraga, Commissioner Kevin Cisneroz, Commissioner Lawrence Vieira, and Commissioner Annmarie Lemento

ABSENT NONE.

ANNOUNCEMENTS

None.

PUBLIC COMMUNICATIONS

None.

CONSENT CALENDAR

1. Minutes of the Regular Meeting of the Planning Commission of March 18, 2026. Approve Regular Meeting Minutes of March 18, 2026 (Commissioner Blanchard Absent-Excused).
2. General Plan Conformity for Acquisition of Real Property. Adopt Planning Commission Resolution No. PC2026-003 determining the acquisition of property located at 13272 6th Street (APN: 1020-282-03) for future City purposes conforms to the City's General Plan.

Motion by Commissioner Cisneroz, seconded by Commissioner Alexandris, to approve the Consent Calendar items as presented. The motion carried by the following vote:

AYES: **COMMISSIONER ALEXANDRIS, COMMISSIONER LOPEZ, COMMISSIONER FRAGA, COMMISSIONER CISNEROZ, COMMISSIONER VIEIRA, AND COMMISSIONER LEMENTO**

NOES: **NONE.**

ABSENT: NONE.

ABSTAIN: COMMISSIONER BLANCHARD

PUBLIC HEARING

3. PL18-0118.TE05 (Site Approval - Time Extension), PL18-0120.TE05 (Site Approval - Time Extension), and PL19-0011.TE05 (Special Conditional Use Permit - Time Extension). A request for approval of a one-year time extension for the previously approved Majestic Chino Heritage project located on approximately 97-acres of land within the M2 (General Industrial) zoning district.

Staff Report By: Andrea Gilbert, City Planner

RECOMMENDATION: Approve, by motion of the Planning Commission, a one-year time extension for PL18-0118 (Site Approval), PL18-0120 (Site Approval), and PL19-0011 (Special Conditional Use Permit).

Chairperson Fraga opened the Public Hearing.

Andrea Gilbert, City Planner, presented the staff report to the Planning Commission.

The applicant was not present to address the Commission.

There being no requests to address the Commission on this item, Chairperson Fraga closed the Public Hearing.

Motion by Commissioner Lemento, seconded by Commissioner Cisneroz, to Approve, by motion of the Planning Commission, a one-year time extension for PL18-0118 (Site Approval), PL18-0120 (Site Approval), and PL19-0011 (Special Conditional Use Permit). The motion carried by the following vote:

AYES: COMMISSIONER BLANCHARD, COMMISSIONER ALEXANDRIS, COMMISSIONER LOPEZ, COMMISSIONER FRAGA, COMMISSIONER CISNEROZ, COMMISSIONER VIEIRA, AND COMMISSIONER LEMENTO

NOES: NONE.

ABSENT: NONE.

NEW BUSINESS

None.

DIRECTOR'S REPORT

Andrea Gilbert, City Planner, stated that she and Warren Morelion, Director of Development Services, will be unable to attend the May Commission meeting, and that Michael Hitz, Principal Planner, will attend in their absence.

COMMISSION COMMENTS

The Commissioners provided updates and comments regarding the State of the City event they attended on April 14, 2026.

ADJOURNMENT

The meeting was adjourned by Chairperson Fraga at 6:10 p.m. to a regular meeting of the Planning Commission on May 20, 2026 at 6 p.m. in these Council Chambers.

APPROVED AND ADOPTED THIS 20TH DAY OF MAY 2026.

_____
CHAIRPERSON, PLANNING COMMISSION

_____
SECRETARY, PLANNING COMMISSION

****

(These minutes are not official until signed.)

MEMORANDUM
CITY OF CHINO
PUBLIC WORKS DEPARTMENT

PLANNING COMMISSION MEETING DATE: MAY 20, 2026

DATE: **May 20, 2026**

TO: **CHAIRMAN AND MEMBERS OF THE PLANNING COMMISSION**

FROM: **ANDREA GILBERT, CITY PLANNER**

SUBJECT

Review Proposed Fiscal Year 2026-27 Capital Improvement Program Project List for General Plan Conformance and Review Environmental Determinations.

RECOMMENDATION

1) Find the proposed Fiscal Year 2026-27 Capital Improvement Program (CIP) project list consistent with the City's General Plan, and 2) Find the environmental determinations for the City's CIP projects to be categorically exempt in accordance with the California Environmental Quality Act (CEQA) Guidelines and the environmental regulations of the City.

BACKGROUND

The City of Chino prepares the Capital Improvement Program (CIP) project list in conjunction with the development of the City's annual budget. The City's CIP includes major City-financed construction projects in areas such as 1) road construction and rehabilitation; 2) installation and modification of traffic signals; 3) construction of new public facilities; 4) park construction and improvement projects; 5) installation of new sidewalks/curb ramps and streetlights; and 6) improvements to the City's water, sewer, and storm drain infrastructure. The goals of the CIP are to reflect the City's commitment to fiscal responsibility, sustainable financial planning, and continued investment in essential services.

ISSUES/ANALYSIS

California Government Code Section 65401 requires the Planning Commission to annually review the list of proposed CIP projects and verify their conformance with the City's General Plan. Staff determined the FY 2026-27 CIP projects independently and collectively provide essential improvements to enable the orderly planned development of the City, furthering the goals and policies of the City's General Plan. Exhibit "A" includes the 17 new CIP projects proposed for Fiscal Year 2026–27. Carryover projects that were deemed consistent with the General Plan in prior years by the Commission are not listed for review.

The proposed FY 2026-27 CIP project list will be provided to City Council through the budget workshop to be held on May 26, 2026. City Council is anticipated to approve the CIP project list along with the FY 2026-27 Budget in June 2026.

In accordance with the provisions of CEQA, all projects shall receive an individual and appropriate environmental review prior to commencement of any construction. Staff identified

the CIP projects which are intended to be advertised for construction before the end of FY 2026-27. These projects have been assessed and evaluated in accordance with the CEQA Guidelines and the environmental regulations of the City. Each project's environmental clearance category is provided in Exhibit "B" for Commission consideration. A Notice of Exemption for each Categorically Exempt Project will be filed with the San Bernardino County Recorder following the findings of the Commission.

ENVIRONMENTAL REVIEW

The requested action of reviewing the FY 2026-27 CIP project list for conformance with the City's General Plan is exempt from the provisions of the California Environmental Quality Act (CEQA) per Section 15061(b)(3) of the CEQA Guidelines as the action itself will not have a significant effect on the environment.

Attachment: Exhibit "A" - FY 2026-27 CIP Projects Requiring General Plan Conformance Determination
Exhibit "B" - FY 2026-27 CIP Projects Requiring Environmental Categorical Exemption Determination

EXHIBIT "A"

FY 2026-27 CIP Projects Requiring General Plan Conformance Determination	
STORM DRAIN CATEGORY	
SD270	Catch Basin Trash Capture Retrofit – Phase 3
SEWER CATEGORY	
SW270	Sewer Improvements FY27
STREET CATEGORY	
ST261	Pine Ave Connector/ Bridge Project
ST262	Benson Avenue Safe Routes to School Improvements
ST263	Pavement Improvements (Zone 2)
ST270	Pavement Improvements (Zone 3)
ST271	ADA Improvements FY27
TRAFFIC CATEGORY	
TR262	Central Avenue Traffic Study Safety Improvements
TR270	FY27 Traffic Signal Interconnect
TR271	Intersection Improvements – Moonspinner St at West Preserve Loop
TR272	Traffic Equipment Replacement FY27
WATER CATEGORY	
WA270	SCADA System Upgrade – Phase 1
WA271	Citywide Water Meter Replacement Project
PUBLIC FACILITIES CATEGORY	
PF265	Civic Center Paint Project
PF270	Culinary Arts Building – Purchase of Property & Rehab
PF271	Community Building Improvements - Interior
PF272	Community Building Improvements - Exterior

EXHIBIT "B"

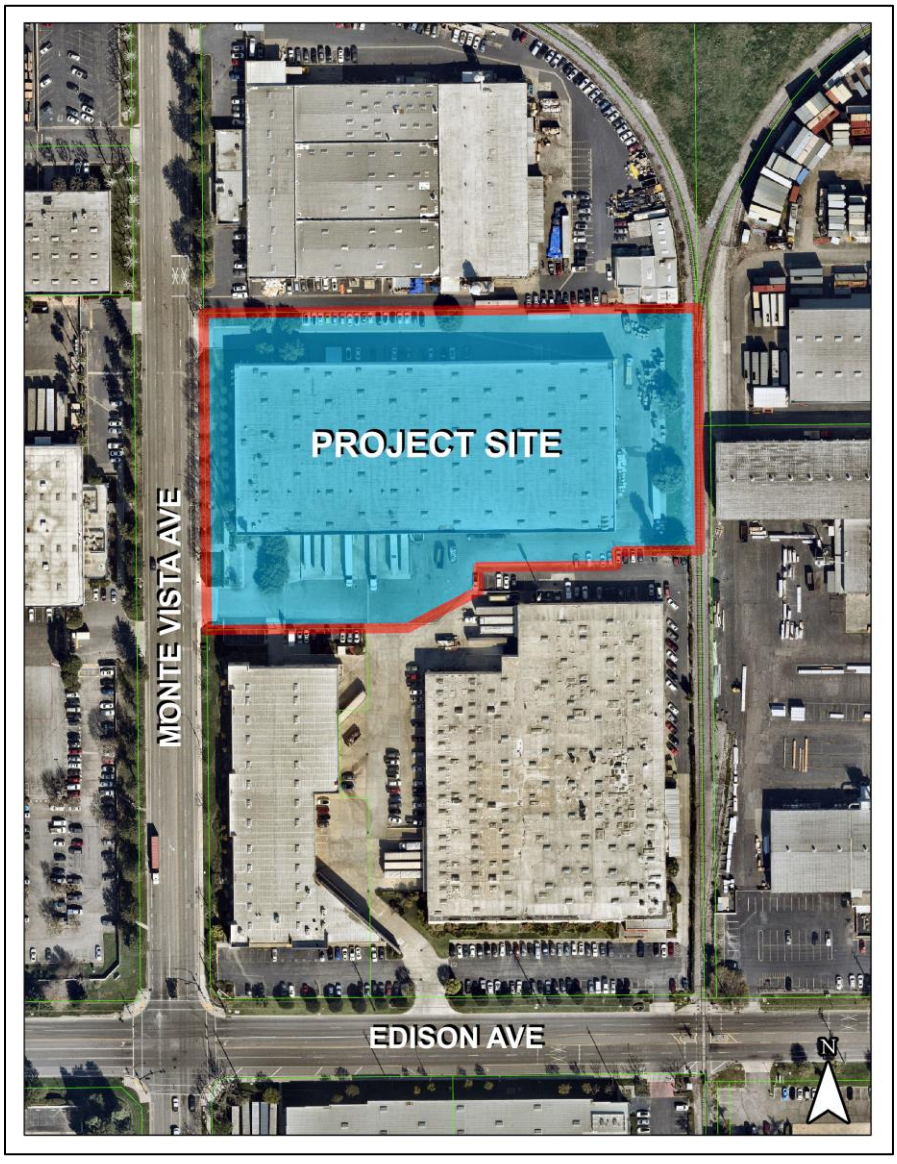
FY 2026-27 CIP Projects Requiring Environmental Categorical Exemption Determination			
PROJECT ID	**PROJECT NAME**	**EXEMPTION CLASS**	**SUB CATEGORY**
SD260	Catch Basin Trash Capture Retrofit - Phase 2	15301	(c)
SN221	Alley Rehab FY 2021-22 (East/West Alley #20 & Alley #21 from Central to Benson)	15301	(c)
ST262	Benson Avenue Safe Routes to School Improvements	15301	(c)
ST263	Pavement Improvements (Zone 2)	15301	(c)
ST270	Pavement Improvements (Zone 3)	15301	(c)
ST271	ADA Improvements FY27	15301	(c)
TR131	Traffic Signal Modifications - Riverside at Ramona	15301	(c)
TR250	CCTV Camera Installation Phase 4	15301	(b)
TR260	Traffic Signal Interconnect FY26	15301	(b)
TR262	Central Ave Traffic Signal Safety Improvements	15301	(a)
TR270	Traffic Signal Interconnect FY27	15301	(b)
TR271	Intersection Improvements - Moonspinner St at West Preserve Loop	15302	(c)
WA223	Water Main Replacement - Russell Ave (Walnut to Terry) & Walnut Ave (Ramona to Central)	15302	(c)
WA242	Philadelphia St Water Main Replacement (Central Ave to Oaks Ave)	15301	(b)
WA260	Central Ave Water Main Replacement (C St to Riverside Dr)	15302	(c)
WA270	SCADA System Upgrade - Phase 1	15301	(b)
WA271	Citywide Water Meter Replacement Project	15302	(c)
PK252	Carolyn Owens Community Center Playground Project	15302	(c)
PK261	Heritage Park Improvements	15301	(c)

MEMORANDUM
CITY OF CHINO
DEVELOPMENT SERVICES DEPARTMENT

PLANNING COMMISSION MEETING DATE: MAY 20, 2026

PL24-0086 (Special Conditional Use Permit)

LOCATION MAP



PROJECT NO.: PL24-0086 (Special Conditional Use Permit)

APPLICANT: Ana Salazar, for EDM Recycling

REQUEST: A request to operate an indoor heavy processing recycling facility for electronic waste at an existing recycling facility located within the M2 (General Industrial) zoning district.

LOCATION: 13975 Monte Vista Avenue (APN: 1021-011-22)

RECOMMENDATION

Adopt Planning Commission Resolution No. PC2026-007 approving PL24-0086 (Special Conditional Use Permit), based upon the findings and subject to the departmental conditions of approval.

SURROUNDING ZONING AND LAND USE:

	Existing Land Use	*General Plan*	*Zoning District*
Project Site -	Recycling Facility	GI (General Industrial)	M2 (General Industrial)
North -	Warehousing/Logistics	GI (General Industrial)	M2 (General Industrial)
East -	Manufacturing	GI (General Industrial)	M2 (General Industrial)
South -	Warehousing/Logistics	GI (General Industrial)	M2 (General Industrial)
West -	Manufacturing	GI (General Industrial)	M2 (General Industrial)

BACKGROUND

Since 2016, EDM Recycling (the “Applicant”) has been in operation at this location within a 100,014 square-foot industrial building, where it specializes in the collection, repair and refurbishment of electronic equipment from private businesses. The Applicant is now requesting approval to expand its operations to include the baling of electronic waste (e-waste) as part of its recycling process. With the proposed addition of e-waste baling activities, the nature of the operation is now categorized as a heavy processing recycling center and requires approval of a Special Conditional Use Permit (SCUP) by the Planning Commission.

ISSUES/ANALYSIS

Business Operation

EDM Recycling operates as an indoor e-waste recycling facility that receives discarded electronic equipment from private companies. Upon arrival, materials are sorted by device type, including but not limited to computers, laptops, and monitors. Each item is then evaluated to determine functionality and whether any data recovery or secure data destruction is required. Based on this assessment, the equipment is classified as either reusable or recyclable. Items deemed reusable are repaired, refurbished, and prepared for resale or distribution. Materials designated for recycling are disassembled into individual components. As part of the proposed expansion, recyclable materials are then processed through a baling operation. This process involves consolidating and compacting materials into dense, transportable bales for shipment to recycling facilities. To accommodate this expansion, the applicant proposes to install a conveyor and baler system within the existing building footprint. EDM Recycling is not open to general

public and operates Monday through Saturday from 9:00 a.m. to 6:00 p.m. and is closed on Sundays. The operation employs approximately 40 to 45 employees on a single daily shift, which will remain unchanged with the proposed expansion of e-waste baling.

Site Improvements

For security purposes, a new 6-foot-high chain link fence is proposed along the rear property line and will not be visible from Monte Vista Avenue. A new rolling gate equipped with perforated metal mesh will be installed at the southern entrance to screen the private yard area.

Public Noticing

A 10-day notice was mailed to all property owners within a 300-foot radius of the project site. In addition, a notice was published in the Chino Champion on May 9, 2026, and the City sent information out on the City's social media platforms. In response to the public notice, no comments have been received. The notice meets legal noticing requirements.

ENVIRONMENTAL REVIEW

In compliance with the California Environmental Quality Act (CEQA), pursuant to Guideline § 15301 – Existing Facilities, the project qualifies as being categorically exempt from CEQA and will have no significant impact on the environment. Furthermore, none of the exceptions to the categorical exemptions set forth in the CEQA Guidelines 15300.2, apply to this project.

RESOLUTION NO. PC2026-007

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CHINO, CALIFORNIA, APPROVING PL24-0086 (SPECIAL CONDITIONAL USE PERMIT) FOR THE OPERATION OF A HEAVY PROCESSING RECYCLING FACILITY FOR ELECTRONIC WASTE AT AN EXISTING RECYCLING FACILITY IN THE M2 (GENERAL INDUSTRIAL) ZONING DISTRICT LOCATED AT 13975 MONTE VISTA AVENUE (APN: 1021-011-22).

WHEREAS, Ana Salazar, for EDM Recycling (the "Applicant"), has filed an application with the City of Chino (the "City") for approval of PL24-0086 (Special Conditional Use Permit) (the "Project") for the operation of a heavy processing recycling facility at an existing recycling facility for electronic waste located within the M2 (General Industrial) zoning district, located at 13975 Monte Vista Avenue (APN: 1021-011-22); and

WHEREAS, the Planning Commission of the City of Chino has completed its study of the proposed Project; and

WHEREAS**,** on May 20, 2026, the Planning Commission held a duly noticed public hearing for the Project in compliance with law, including compliance with the relevant provisions of the California Government Code and Chino Municipal Code, entertained the written and oral report of staff, and took public testimony on the Project, and

NOW, THEREFORE, the Planning Commission of the City of Chino, California, does hereby FIND, DETERMINE, and RESOLVE as follows:

A. The foregoing recitals are true and correct and incorporated herein.

B. Based on substantial evidence, both written and oral, from the public hearing, the Planning Commission makes the following findings and takes the following actions on PL24-0086 (Special Conditional Use Permit):

1. *PL24-0086 (Special Conditional Use Permit)*

    a. The proposed use is consistent with the goals and policies of the City's adopted General Plan and/or applicable specific plan(s), as the proposed heavy processing recycling center offers a local employment base and is in accordance with the Land Use and Community Character Element of the General Plan, Policy LCC-6.2. This policy aims to support the continued operation and expansion of industrial activities within established employment districts, subject to performance standards;

    b. The subject site is physically suitable, including but not limited to, parcel size, shape, access and availability of utilities, for the type and intensity of

use proposed, as the use will be associated with an already existing recycling use at an existing industrial facility. The proposed heavy processing facility meets all the standards set forth in the M2 zoning district and CMC Section 20.21.360.C;

c. The subject site relates to streets and highways properly designed, both as to width and type of pavement to carry the type and quantity of traffic generated by the proposed use as the site is an existing industrial property. Access to the site is from a secondary arterial street, Monte Vista Avenue, which has been designed to carry the type of traffic visiting the site;

d. The proposed use is compatible with those on abutting properties and in the surrounding area, as industrial uses surround the site on all sides. The properties to the north and south are utilized for warehousing. The properties to the east and west contain manufacturing uses. In addition, all activities will be conducted within the existing building;

e. The proposed location, size, and operating characteristics of the proposed use will not be detrimental to the public interest, health, safety or general welfare, as the proposed use is conditionally permitted in the M2 zoning district and has been designed and located to meet all minimum City requirements. In addition, certain safeguards have been required of the proposed Project, which the Planning Commission deems necessary to protect the public health, safety, and general welfare. These safeguards (conditions of approval) are attached to this resolution, and are described herein;

f. The proposed use will not have a significant adverse impact on the environment, as the use is exempt from the provisions of the California Environmental Quality Act (CEQA), per Section 15301 - Existing Facilities; and

g. The minimum safeguards necessary to protect the public health, safety and general welfare have been required of the proposed use and have been imposed as conditions of project approval by the Chino Planning Commission.

2. *CEQA Findings.* The Planning Commission finds that, in compliance with the California Environmental Quality Act (CEQA), pursuant to Guideline §15301, Existing Facilities, the Project qualifies as being categorically exempt from CEQA and will have no significant impact on the environment. Furthermore, none of the exceptions to the categorical exemptions set forth in the CEQA Guidelines 15300.2, apply to this project.

3. *Approval of PL24-0086 (Special Conditional Use Permit).* The Planning Commission hereby approves PL24-0086 (Special Conditional Use Permit) subject to the Conditions of Approval attached hereto as Exhibit “A”. Applicant, including its successors and assigns, shall be responsible for implementing and complying with all conditions set forth in Exhibit “A”.

4. *Actions by the Planning Commission Secretary.* The Planning Commission Secretary is hereby directed to attest to the adoption of this Resolution as of the date set forth below and forthwith transmit a copy of this Resolution, by regular mail, to the Applicant at the address of record set forth in the Application.

PASSED, APPROVED, and ADOPTED THIS 20TH DAY OF MAY 2026.

_____
PLANNING COMMISSION CHAIRPERSON

ATTEST:

_____
SECRETARY, PLANNING COMMISSION

State of California)
County of San Bernardino) §
City of Chino)

I hereby certify the foregoing Resolution was duly adopted by the Chino Planning Commission at a meeting held on the 20th day of May 2026 and entered in the minutes of said Commission.

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

_____
SECRETARY, PLANNING COMMISSION

Attachment:
Exhibit “A” – Conditions of Approval

EXHIBIT A

DEPARTMENTAL
CONDITIONS OF APPROVAL

DATE: May 20, 2025

PROJECT FILE NO.: PL24-0086 (Special Conditional Use Permit)

LOCATION: 13975 Monte Vista Avenue (APN: 1021-011-22)

APPLICANT: Ana Salazar, for EDM Recycling

The departments listed below have reviewed the above referenced application. Those departments marked with an "X" have required conditions of approval to be imposed on the project.

Development Services Department –
- [X] Planning Division
- [ ] ADA Accessibility Division

Public Works Department –
- [ ] Engineering Division
- [ ] Traffic Division

[X] Chino Valley Independent Fire District

[ ] Police Department

[ ] Finance Department

[ ] Community Services, Parks & Recreation Department

DEVELOPMENT SERVICES DEPARTMENT
PLANNING DIVISION CONDITIONS OF APPROVAL

DATE: May 20, 2026

PROJECT FILE NO.: PL24-0086 (Special Conditional Use Permit)

LOCATION: 13975 Monte Vista Avenue (APN: 1021-011-22)

APPLICANT: Ana Salazar, for EDM Recycling

1.0 TIME LIMITS:

1.1. Special Conditional Use Permit (SCUP) approval shall expire on May 20, 2027, if the approved use has not commenced. The expiration date may be extended upon written request by the applicant on a City application form. The request must be received by the Director of Development Services at least 30 days prior to expiration of the application.

1.2. Should the use for which this approval is granted cease to exist for 180 or more consecutive days, this permit shall be deemed null and void.

2.0 GENERAL REQUIREMENTS:

2.1. Failure to comply with any conditions of approval shall be deemed just cause for revocation of project approval by the Planning Commission.

2.2. The project shall proceed only in accordance with approved plans on file with the Development Services Department, the conditions contained herein and the Chino Municipal Code.

2.3. Approval of this request shall not waive compliance with all sections of the Chino Municipal Code, all other applicable City ordinances, and applicable specific plans.

2.4. Pursuant to Government Code Section 66020, the applicant is informed that the 90-day period in which the applicant may protest the fees, dedications, reservation or other exaction imposed on this project through the conditions of approval has begun.

2.5. In the event that any condition contained herein is determined to be invalid or legally unenforceable, then all remaining conditions shall remain in force.

2.6. In the event that any condition imposing a fee, exaction, dedication, or other mitigation measure is challenged by the project sponsors and/or other parties in an action filed in a court of law, which action is brought within the time period provided for by law, this approval shall be suspended pending dismissal of such action, the expiration of the limitation period applicable to such action, or final resolution of such action. If any condition is invalidated by a court of law, the applicable section of the entire project shall be reviewed by the City and substitute conditions may be imposed.

2.7. The applicant shall indemnify the City and its elected boards, commissions, officers, agents and employees and will hold and save them and each of them harmless from any and all actions, claims, liabilities, losses, damages, penalties, obligations and expenses, including but not limited to attorneys' fees and costs, (collectively "claims") against the City for any such claims and shall be responsible for any judgment arising therefrom. The City shall provide the applicant with notice of the pendency of such action and shall request that the applicant defend such action. The applicant may utilize the City Attorney's office or use legal counsel of its choosing, but shall reimburse the City for any necessary legal cost incurred by City, including for the City's required participation in defense of the claims. The applicant shall provide a deposit in the amount of 100% of the City's estimate, in its sole and absolute discretion, of the cost of litigation, including the cost of any award of attorney's fees, and shall make additional deposits as requested by City to keep the deposit at such level. If the applicant fails to provide or maintain the deposit, the City may abandon the action and the applicant shall pay all costs resulting therefrom and City shall have no liability to the applicant.

2.8. The City of Chino has an exclusive contract with Waste Management for all solid waste collection and hauling services within the City. The applicant shall be responsible for making arrangements with Waste Management for disposal of any/all construction debris or trash generated as a result of this permit. Waste Management can be reached at 1-800 423-9986.

2.9. Pursuant to Public Resources Code Section 21089 and Fish and Wildlife Code Section 711.4, the developer shall provide those fees marked [X] below in the form of a check made payable to the ***San Bernardino County Clerk of the Board of Supervisors*** **within 5 days of Planning Commission approval. Project approval shall not be complete until the required fee(s) is (are) paid:**

[X] $50 for the Notice of Exemption filing fee.

3.0 PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR COMMENCEMENT OF THE APPROVED USE:

3.1. Revised plans, incorporating all conditions of approval, shall be submitted for review and approval by the Director of Development Services.

3.2. All plans shall be coordinated for consistency.

3.3. The developer shall pay development impact fees at the established rate. Such fees may include, but not be limited to, new construction fee, park or open space fees, school fees, drainage fees, sewer fees, building permit and plan check fees.

4.0 THE APPROVED USE SHALL BE OPERATED IN ACCORDANCE WITH THE FOLLOWING:

4.1. All operations shall not create a nuisance due to noise, odor, dust, mud, smoke, steam, vibration or other similar causes.

4.2. The operation or activity shall not cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution that can cause damage to human health, vegetation, or other forms of air pollution that can cause excessive soiling on any other parcel. No emission shall be permitted which exceeds the requirements of the South Coast Air Quality Management District or the requirements of any Air Quality Plan adopted by the City of Chino.

4.3. The operation or activity shall not emit odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable with or without the aid of instruments at or beyond the project site boundary.

4.4. The operation shall not discharge, at any point, into any public or private street, public sewer, storm drain, private stream, body of water, or into the ground, any material which can contaminate any water supply, interfere with bacteriological processes in sewer treatment, or otherwise cause the emission of dangerous or offensive elements, except in accordance with the standards approved by the California Department of Public Health, or any other federal, state or local government agency.

4.5. No operation or activity shall emit heat or cold that would cause a temperature increase or decrease on any adjacent parcel in excess of 10^0F (5.56^0C).

4.6. No operation or activity shall cause any impermissible source of electronic disturbance that adversely affects persons or the operation of any equipment on any other parcel that is not in conformance with the regulations of the Federal Communications Commission (FCC). Impermissible interference for the purposes of this document shall mean any interference that violates the rules and regulations of the FCC and/or the Communications Act of 1934, as amended.

4.7. No operation or activity shall be permitted to cause a steady state, earth-borne oscillation which is continuous and occurring more frequently than 100 times per minute beyond the project site. Ground vibration caused by moving vehicles, trains, aircraft, or temporary construction or demolition is exempted from this requirement.

4.8. Noise emanating from the project site, and which is received by adjacent land uses, shall not exceed the levels specified below, except that loudspeakers, bells, gongs, buzzers or other noise attention or attracting devices shall not exceed a maximum daytime dBA level of 60 and nighttime dBA of 40, measured anywhere beyond the boundaries of the property within which the noise is created.

Maximum Time of Exposure	Noise Metric	Noise Level Not To Be Exceeded	
		7 a.m. to 10 p.m.	10 p.m. to 7 a.m.
30 Minutes/Hour	L50	55 dBA	50 dBA
15 Minutes/Hour	L25	60 dBA	55 dBA
5 Minutes/Hour	L8.3	65 dBA	60 dBA
One Minute/Hour	L1.7	70 dBA	65 dBA
Any Period of Time	Lmax	75 dBA	70 dBA

4.9. Heavy Processing Facility

4.9.1. The facility shall comply with all requirements of the zone in which it is located.

4.9.2. The site shall be maintained in a clean and litter-free condition at all times.

4.9.3. The site shall be secured from unauthorized entry and removal of recyclable materials.

4.9.4. All exterior storage of material shall be in sturdy containers or enclosures covered and secured and maintained in good condition. Storage containers for flammable material shall be constructed of nonflammable material. Oil storage must be in containers approved by the Chino Valley Independent Fire District and San Bernardino County Department of Environmental Health Services.

4.9.5. Any containers provided for after hours collection of recyclable materials shall be constructed of durable waterproof and rustproof material, have sufficient capacity to accommodate materials collected, and be secure from unauthorized entry or removal of recyclable materials.

4.9.6. Collection containers shall be clearly marked to identify the type of material that may be deposited, the name and telephone number of the facility operator and the hours of operation, and display a notice stating that no materials shall be left outside the recycling enclosure or containers.

4.9.7. Identification and informational signs shall meet the standards of the zone in which the facility is located. Directional signs bearing no advertising message may be installed with the approval of the director of community development if deemed necessary to facilitate traffic circulation, or if the facility is not visible from the public right-of-way.

4.9.8. Outdoor storage of vehicles, equipment and materials shall comply with CMC Section 20.21.200.A.

Chino Valley Fire District

14011 City Center Drive
Chino Hills, CA 91709
(909) 902-5260 Administration
(909) 902-5250 Fax
Chinovalleyfire.org

Board of Directors

Mike Kreeger
President
Tom Haughey
Vice President
Harvey Luth
Sarah Ramos-Evinger
Andrew Romaine

Fire Chief
Dave Williams

April 15, 2026

2024-00001783

EDM RECYCLING - ANA SALAZAR 13975 MONTE VISTA AVE CHINO, CA - California 91710	Project Name: EDM RECYCLING - PL24-0086 Project Address: 13975 MONTE VISTA AVE CHINO, CA 91710

It is a recommendation of the Fire District that the developer of every new construction project facilitate a preconstruction meeting. The meeting is to be scheduled with the Fire District Inspector for said project.

The following are the conditions of the above referenced permit/project. All conditions shall be adhered to, failure to comply with said conditions may result in the revocation of said permit and/or punitive fines as outlined in the Fire District fee schedule.

We look forward to a cooperative working relationship throughout the project. Should you have any questions regarding the project, including the conditions as set forth herein, please feel free to contact our office at (909) 902-5280.

Fire Protection Requirements

3.1 High-Piled Combustible Storage plans and permit required for storage of combustible materials in closely packed piles, on pallets, in racks, or on shelves where the top of storage is greater than 12 feet in height. High-piled combustible storage also includes certain high-hazard commodities, such as rubber tires, Group A plastics, flammable and combustible liquids, idle pallets, and similar commodities where the top of storage is greater than 6 feet in height. CFC 3202
Update current HPS plan

3.2 Hand-held portable fire extinguishers are required to be installed. The location, type and cabinet design shall be approved by the Community Risk Reduction Division.

3.3 Exits, doors, signs and approved path marking shall be installed in accordance with the current adopted edition of the California Building Code, Section 1007

3.4 An electronic/PDF set of plans shall be submitted separately for each of the following listed items to the Fire District for review, approval and permit prior to any installation or work being done. Approved plans must be maintained at the worksite during construction. Fees are due at the time of submittal.

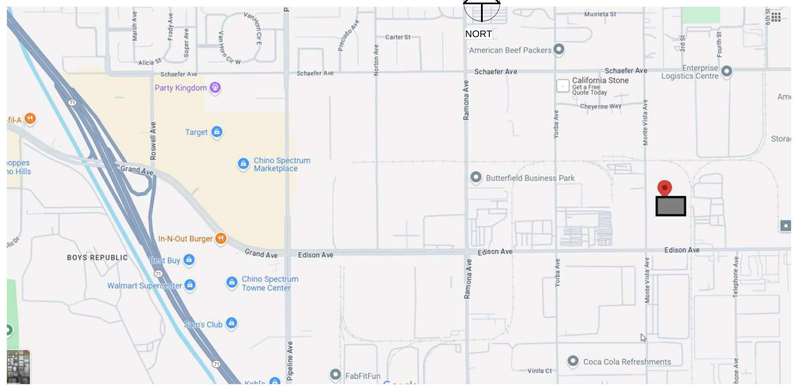
a) High Piled Combustible Storage

Applicable Standards:

NONE

CVFD Standards available online at http://www.chinovalleyfire.org

VICINITY MAP



13975 Monte Vista Avenue, Chino, CA

GENERAL NOTES

THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL OF THE FOLLOWING CONDITIONS:

1. THE CONSTRUCTION SHALL BE IN CONFORMATION WITH THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE AND REQUIREMENTS OF THE GOVERNING AGENCY WITH JURISDICTION.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE BEFORE COMMENCING WORK AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES TO THE DESIGN TEAM.

3. OMISSION OR CONFLICTS BETWEEN THE DRAWINGS, NOTES AND DETAILS, SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED BEFORE PROCEEDING WITH THE WORK.

4. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

5. TYPICAL DETAILS SHOWN APPLY WHERE NO SPECIAL DETAIL IS SHOWN.

6. WRITTEN DIMENSIONS (NOT SCALED DIMENSIONS) SHALL BE USED. DO NOT SCALE DRAWINGS.

7. TEMPORARY ERECTION BRACING AND SHORING SHALL BE PROVIDED AS REQUIRED ON ALL BEAMS, WALLS, ETC., ADEQUATE TO PROVIDE FULL STRUCTURAL STABILITY AND SAFETY. BRACING SHALL NOT BE REMOVED UNTIL THE ELEMENTS ARE FULLY CONNECTED AND ARE CAPABLE OF SUPPORTING THE DESIGN LOADING.

8. CONTRACTOR AGREES THAT HE OR SHE SHALL ASSUME SOLE AND COMPLETE RESPONCIBILITY FOR SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE OWNER AND DESIGN TEAM HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK IN THIS PROJECT.

9. CONTRACTOR SHALL USE EXTREME CARE AND CAUTION DURING CONSTRUCTION SO AS NOT TO DAMAGE ANY EXISTING FACILITIES, PAVING, EQUIPMENT, LANDSCAPE, ETC. ANY DAMAGE DONE BY THE CONTRACTOR TO EXISTING FACILITIES SHALL BE REPAIRED TO THE SATISFACTION OF AND AT NO EXPENSE TO THE OWNER.

10. ALL DIMENSIONS ARE FACE OF STUD TO FACE OF STUD (F.O.S.) UNLESS OTHERWISE NOTED.

11. PROVIDE SOLID BLOCKING AS REQUIRED FOR ALL WALL MOUNTED AND WALL HUNG EQUIPMENT.

12. ALL WALL PARTITIONS SHALL EXTEND TO THE STRUCTURE ABOVE UNLESS NOTED OTHERWISE.

13. CONTRACTOR SHALL COMPLETELY REMOVE ALL DEMOLISHED MATERIALS FROM THE SITE. ALL DEMOLISHED MATERIALS WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS THEY ARE TO BE REUSED, RELOCATED, STORED ON SITE OR AS OTHERWISE NOTED.

14. PROPERLY PREPARE AND READY ALL SURFACES TO RECEIVE FINISH MATERIALS.

15. CONTRACTOR SHALL SUPPLY ONE (1) SET OF AS-BUILTS CONSTRUCTION DOCUMENTS TO THE OWNER, WHICH SHALL INCLUDE PLANS AND SPECIFICATIONS.

16. THE CONTRACTOR SHALL NOTE THAT THERE SHALL BE NO SUBSTITUTIONS FOR ANY MATERIAL WHERE SPECIFIC MANUFACTURERS ARE SPECIFIED. WHERE APPROVED EQUAL IS USED IT SHALL BE UNDERSTOOD THAT THE SUBSTITUTE SHALL BE BY JUDGEMENT AND APPROVAL OF THE ENGINEER, AND NOTIFICATION SHALL BE MADE PRIOR TO ORDERING AND/OR INSTALLATION.

17. MANUFACTURERS OF MATERIALS OTHER THAN THOSE SPECIFIED ON THESE PLANS SHALL MEET THE SPECIFIC REQUIREMENTS OF GOVERNING AGENCIES HAVING JURISDICTION OVER THIS PROJECT.

18. GENERAL CONTRACTOR OR HIS OR HER SUBCONTRACTORS SHALL BE RESPONSIBLE FOR VERIFICATION AND APPROVALS OF SUBSTITUTED MATERIALS AS REQUESTED BY GOVERNING AGENCIES.

19. IT SHALL BE THE RESPONCIBILITY OF THE GENERAL CONTRACTOR TO DISTRIBUTE ADEQUATE COPIES OF ALL DRAWINGS TO ALL TRADES FALLING UNDER THEIR RESPONCIBILITY AT ALL TIMES DURING THE PROGRESS OF THE JOB. (I.E. REVISIONS).

20. UPON COMPLETION OF THE JOB, THE GENERAL CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION OF SATISFACTORY COMPLETION.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK AND MATERIALS IN CONFORMANCE WITH ANY CODE OR CODES OF FEDERAL, STATE, COUNTY OR MUNICIPALITY HAVING JURISDICTION OVER SUCH WORK. ALL APPPLICABLE REQUIREMENTS IN THESE REGULATIONS SHALL BE FOLLOWED TO SAME AS IF NOTED ON THE DRAWINGS. CONFLICTS BETWEEN WORK SET FORTH ON THE DRAWINGS AND BUILDING CODES, LAWS OR REGULATIONS NOTED BY THE GENERAL CONTRACTOR SHALL BE SUBMITTED TO THE DESIGN TEAM FOR RESOLUTION, PRIOR TO PROCEEDING WITH THE WORK.

22. THE CONTRACTOR SHALL, AT ALL TIMES KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY HIS OR HER OPERATION. AT THE COMPLETION OF THE WORK, HE OR SHE SHALL CLEAN ALL GLASS SURFACES AND LEAVE THE WORK BROOM CLEAN.

23. THE GENERAL CONTRACOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND OTHER ITEMS NECESSARY FOR THE COMPLETION OF ALL WORK SHOWN, CALLED FOR, OR REASONABLY IMPLIED BY THE CONTRACT DOCUMENTS EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.

24. WHERE WORK OR EQUIPMENT IS INDICATED N.I.C., SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. THE CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION.

25. ALL REQUESTS FOR CLARIFICATION OF THESE DRAWINGS SHALL BE DIRECTED TO THE DESIGN TEAM.

26. ALL DRAWINGS AND NOTES ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ANY ONE WILL BE AS BINDING AS IF CALLED FOR BY ALL.

27. NOT USED

28. THE CONTRACTOR SHALL PROVIDE AN APPROVED FIRE STOP MATERIAL TO MAINTAIN THE 1 HOUR RATING AT ALL ELECTRICAL AND MECHANICAL/ PIPING PENETRATIONS THROUGH TENANT PARTY WALLS, CEILINGS, FLOOR OR ANY OTHER LOCATIONS AS REQUIRED BY LOCAL CODES.

29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACTUAL FLOOR TRUSS LAYOUTS AND QUANTITY IN ORDER TO ALLOW WASTE AND SUPPLY PIPING AND DUCTS TO SERVE UNITS AS SHOWN.

30. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

31. PLANS SHALL BE SIGNED BY SOILS ENGINEER WHEN REPORTS ARE REQUIRED.

32. NOTWITHSTANDING ANY PROVISIONS IN THESE SPECIAL CONDITIONS, GENERAL CONDITIONS OR ANY OTHER MATTERS SPECIFIED IN THE PLANS AND THE SPECIFICATIONS, THE CONTRACTOR IS HEREBY NOTIFIED THAT REPORTS OF GEOTECHNICAL INVESTIGATIONS ARE NOT INCLUDED WITHIN THE SPECIFICATIONS. THE DESIGN TEAMOWNER MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF THE DATA. THE SOIL AND ROCK MATERIAL ENCOUNTERED, OR THE DIFFICULTY OF EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF OR HERSELF WITH THE SITE, VERIFYING THE DATA AND SATISFYING HIMSELF/HERSELF AS TO THE TYPE, NATURE AND QUANTITIES OF ALL MATERIALS TO BE EXCAVATED. ALL TRENCHING AND EXCAVATING OF MATERIALS ENCOUNTERED, EQUIPMENT OR METHODS REQUIRED FOR EXCAVATION WILL BE UNCLASSIFIED AND THE COST THEREOF SHALL BE CONSIDERED AS BEING INCLUDED IN LUMP SUM BID. NO EXTRA PAYMENT OR CHANGE ORDERS WILL BE ALLOWED FOR EXCAVATION.

33. THE MEANS OF EGRESS SERVING ANY OCCUPIED PORTION OF THE BUILDING SHALL BE ILLUMINATED TO AN INTENSITY OF NOT LESS THAN ONE (1) FOOT CANDLE AT THE FLOOR LEVEL. IN THE EVENT OF POWER SUPPLY TO THE ILLUMINATION POWER SUPPLY, AUTOMATIC ILLUMINATION SHALL BE PROVIDED BY A BATTERY BACK-UP SYSTEM.

34. THE PATH OF EXIT TRAVEL TO AN WITHIN EXITS IN A BUILDING SHALL BE IDENTIFIED BY EXIT SIGNS CONFORMING TO CBC 2022 CODE

ABBREVIATIONS

(NEW FILL) EARTH		GRAVEL FILL	
CONCRETE/ POUR IN PLACE		REGULAR BLOCK	
STONES/ MARBLE		STONE	
BRICK		LIGHT WEIGHT BLOCK	
METAL/ STEEL		STEEL STUD	
WOOD/ CONTINUOUS OR DIMENSION		NONCKING OR CONT- INUOUS	
GYPSUM		RIGID INSULATION	
CERAMI QUARR YR TILE		FINISHED WOOD	
INSULATION/ BATT OR LOOSE			

SYMBOLS

SECTION REFERENCE — SECTION NUMBER / SHEET NUMBER

DETAIL REFERENCE — DETAIL NUMBER / SHEET NUMBER

DOOR NUMBER

WINDOW NUMBER / KEY NOTE NUMBER

REVISION CLOUD AROUND AREA

ROOM NUMBER

ROOM NUMBER — INTERIOR ELEVATION SHEET NO. / INTERIOR ELEVATION CALL OUT NO.

INTERIOR ELEVATION MATCH LINE — INTERIOR ELEVATION NO. / MATCH LINE NUMBER / MATCHING SHEET NUMBER

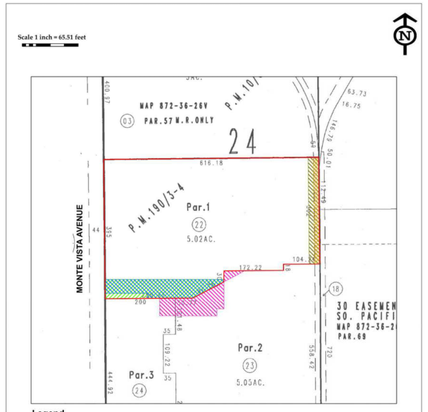
NORTH POINT — N

EXISTING CONTOURS

FINISH ELEVATION

EXHAUST FAN

ZONE INFORMATION



GENERAL INDUSTRIAL ZONE (M2).

THE PURPOSE OF THIS DISTRICT IS TO PROVIDE AREAS FOR A BROAD RANGE OF INDUSTRIAL USES. THE M2 DISTRICT ALLOWS FOR MANUFACTURING, UTILITIES AND RELATED USES THAT ARE NOT COMPATIBLE WITH COMMERCIAL OR RESIDENTIAL USES. THE LOCATION OF THE M2 DISTRICT IS INTENDED TO MINIMIZE IMPACTS OF HEAVY INDUSTRIAL ACTIVITIES IN CHINO ON NONINDUSTRIAL LAND USES. THE M2 DISTRICT ALLOWS FOR A MAXIMUM FAR OF 0.6.

Uses	Zoning Districts BP	M1	M2	AD	Additional Regulations
Recycling					
Recycling Facilities, Large Collection	▪	P	P	▪	Section 20.21.360
Recycling Facilities, Light Processing	▪	C	P	▪	Section 20.21.360
Recycling Facilities, Heavy Processing	▪	▪	C	▪	Section 20.21.360
Recycling Facilities, Material Recovery Facility (MRF)	▪	▪	C	▪	

A. LARGE COLLECTION FACILITY.

1. 1.ALL OPERATIONS SHALL BE CONDUCTED WITHIN AN ENCLOSED BUILDING AND SHALL CONFORM TO ALL DEVELOPMENT STANDARDS OF THE ZONE IN WHICH IT IS LOCATED.
2. THE SITE SHALL BE MAINTAINED IN A CLEAN AND LITTER-FREE CONDITION AT ALL TIMES.
3. THE FACILITY SHALL COMPLY WITH THE CITY'S ADOPTED NOISE STANDARDS.
4. ANY CONTAINERS PROVIDED FOR AFTER HOURS COLLECTION OF RECYCLABLE MATERIALS SHALL BE CONSTRUCTED OF DURABLE WATERPROOF AND RUSTPROOF MATERIAL, HAVE SUFFICIENT CAPACITY TO ACCOMMODATE MATERIALS COLLECTED, AND BE SECURE FROM UNAUTHORIZED ENTRY OR REMOVAL OF RECYCLABLE MATERIALS.
5. COLLECTION CONTAINERS SHALL BE CLEARLY MARKED TO IDENTIFY THE TYPE OF MATERIAL THAT MAY BE DEPOSITED, THE NAME AND TELEPHONE NUMBER OF THE FACILITY OPERATOR AND THE HOURS OF OPERATION, AND DISPLAY A NOTICE STATING THAT NO MATERIALS SHALL BE LEFT OUTSIDE THE RECYCLING ENCLOSURE OR CONTAINERS.
6. IDENTIFICATION AND INFORMATIONAL SIGNS SHALL MEET THE STANDARDS OF THE ZONE IN WHICH THE FACILITY IS LOCATED. DIRECTIONAL SIGNS BEARING NO ADVERTISING MESSAGE MAY BE INSTALLED WITH THE APPROVAL OF THE DIRECTOR OF COMMUNITY DEVELOPMENT IF DEEMED NECESSARY TO FACILITATE TRAFFIC CIRCULATION, OR IF THE FACILITY IS NOT VISIBLE FROM THE PUBLIC RIGHT-OF-WAY.

OCCUPANT LOAD "B" | "M" | "S1"

USE	OCCUP. S.F.	OCCUP. FACTOR	# OF OCCUP.
B: OFFICE AREA			
OFFICES	1,370 SF	1/150	9.13
M: MANUFACTURING			
PRODUCTION	7,750 SF	1/200	38.75
S1: MANUFACTURING			
PRODUCTION	90,894 SF	1/500	181.78
OCCUPANT LOAD	100,014 SF		**230**

EXIT/ OCCUPANT ANALYSIS:

1006.3.2 EGRESS BASED ON OCCUPANT LOAD

OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY
1-500	2
501-1,000	3
More than 1,000	4

TOTAL OCCUPANT LOAD = 230
EXITS (s) REQUIRED = 2
EXITS (s) PROVIDED = EXITS >2 PROVIDED

1. **THIS PROJECT SHALL COMPLY WITH TITLE 24**
2. **ALL WORK SHALL CONFORM TO THE**

2022 CALIFORNIA BUILDING CODE
2022 CALIFORNIA RESIDENTIAL CODE
2022 CALIFORNIA GREEN BUILDING CODE
2022 CALIFORNIA PLUMBING CODE
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA MECHANICAL CODE
2022 CALIFORNIA FIRE CODE
2022 CALIFORNIA BUILDING CODE (TITLE 24, PART 2)

NOTE:

FIRE SPRINKLERS: YES

TENANT:
EDM RECYCLING
Payven Ma
Payven@EDMrecycling.com
909.315.6698 Ext 110

DESIGN TEAM:
DESIGN FIRM
EVERETT SMITH DESIGNS
EVERETT SMITH
951.323.2187
EVERETT@EVERETTSMITHDESIGNS.COM

REVIEWED BY:
RAHAMAN ENGINEERING
MOKSUD RAHMAN
213-400-8078

PROJECT DATA:

County:	SAN BERNARDINO, CA
Assessor:	CHRIS WILHITE, ASSESSOR
Parcel # (APN):	1021-011-22-0000
Parcel Status:	ACTIVE
Owner Name:	WL INTERNATIONAL LLC
Tenant:	EDM RECYCLING INC.
Occupancy Group:	S1, B
Zone:	M-2
Legal Description:	PARCEL MAP 15441 PARCEL 1 BOOK 190 PAGE 3

BUILDING INFO:

Lot Size:	218,671 S.F. (5.020 ACRES)	
Parking Spaces:	201	
Year Built:	2000	
Type:	III-B	
Sprinklered:	Yes	
		PARKING (SEE BELOW)
Office Area:	**1,370 SF**	**5.48**
Manufacturing:	**7,750 SF**	**12.91**
Warehouse:	**90,894 SF**	**20+10+12.72**
Building Area (SF):	**100,014 SF**	**61.11**
Ceiling Height:	35'-0" to 38'-0"	

PARKING:

RECYCLING RECYCLING FACILITIES, SMALL — **1 SPACE PER EMPLOYEE ON THE LARGEST SHIFT**

OFFICE SPACE: 1 SPACE PER 250 SQUARE FEET.
MANUFACTURING: 1 SPACE PER 600 SQUARE FEET.
WAREHOUSING: 1 SPACE FOR EACH 1,000 SQUARE FEET FIRST 20,000 SF
1 SPACE FOR EACH 2,000 SQUARE FEET SECOND 20,000 SF
1 SPACE FOR EACH 4,000 SQUARE FEET INITIAL 40,000 SF

PARKING **62 REQUIRED** / **67+ PROVIDED** PARKING: **OK** ✓

SCOPE:

AQUIRE A LICENSE / CONDITIONAL USE PERMIT FOR (E) RECYCLING PLANT. THIS WILL NOT BE A COMMERCIAL RECYCLING PLAN. NEW FENCE AT REAR OF PROPERTY, ENDING WITH ADJACENT PROPERTIES.

(4) PIECES OF EQUIPMENT WILL BE INCLUDED IN THE APPROVAL.

	Make	Model #	Serial #	Power	Voltage
Short Converyor #1	New London Engineering	220-24-230	10-94777		
Baler #1	Guangzhou Panyu Qiangye Machinery Co., LTD	VB-150		45 KW	480 V
Baler #2	Guangzhou Panyu Qiangye Machinery Co., LTD	BYB-160		37 KW	480 V
Long Converyor #2	Guangzhou Panyu Qiangye Machinery Co., LTD	6		2.2 KW	480 V

THE OFFICE IS EXISTING, THE WAREHOUSE IS EXISTING. THE PROPOSED USE IS FOR A PRIVATE COMPANY THAT WORKS BUSINESS TO BUSINESS. THE WORK FLOW IS TO ATTEMPT TO REPAIR ELECTRONICS PROVIDED FROM CLIENTS (OTHER BUISNESSES), IF THE ELECTRONICS CANNOT BE REPAIRED, THE ELECTRONICS ARE BROKEN DOWN INTO COMMODITIES AND SOLD. THE EXCESS PIECES ARE RECYCLED AND BUNDLED. THIS BUSINESS IS NOT OPEN FOR COMMERICAL USE.

COMPANY OVERVIEW

EDM RECYCLING IS A GLOBAL LEADER IN ELECTRONICS ASSET MANAGEMENT WITH HEADQUARTERS IN LOS ANGELES, CALIFORNIA. WE HELP BUSINESSES SECURELY RETIRE AND RECYCLE THEIR TECHNOLOGY. OUR EXPERTS SPECIALIZE IN IT ASSET DISPOSITION SERVICES, INCLUDING DATA DESTRUCTION, ASSET VALUE RECOVERY, AND DATA CENTER DECOMMISSIONING. WITH SOCIAL RESPONSIBILITY AT THE CORE OF EDM'S MISSION, WE ARE HELPING CREATE A MORE SUSTAINABLE WORLD BY PROPERLY REPURPOSING AND RECYCLING ELECTRONICS.

MONDAY	9 AM–6 PM
TUESDAY	9 AM–6 PM
WEDNESDAY	9 AM–6 PM
THURSDAY	9 AM–6 PM
FRIDAY	9 AM–6 PM
SATURDAY	9 AM–6 PM
SUNDAY	CLOSED

# of EMPLOYEES: 40

Clients

DATA CENTER · HEALTHCARE · EDUCATION · FINANCIAL SERVICE · RETAIL
TELECOMMUNICATION · GOVERNMENT · MANUFACTURING · OEM · SMALL BUSINESS

SHEET INDEX

A0	COVER SHEET
A1	EXISTING SITE PLAN
A1.1	PROPOSED SITE PLAN
A1.2	PEDESTRIAN ACCESS
A1.3	SITE UTILIZATION
A2	PROPOSED FLOOR PLAN
A3	PROPOSED ENLARGED PLAN
A4	EQUIPMENT ELEVATIONS
A4.1	EQUIPMENT PICTURES
A4.2	EQUIPMENT SPECS
A5	EXITING RESTROOM DETAILS

PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MOKSUD.RAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER — MOKSUDUR RAHMAN — C69263 — Exp. 06/30/22 — STATE OF CALIFORNIA — CIVIL

PREPARED BY:
EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date
2	PLANNING INTAKE COMMENTS 2	2026.03.17

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

COVER SHEET

Project number	24-2326
Date	3/17/2026 1:34:06 PM
Drawn by	RM
Checked by	ES

A0

Scale

3/17/2026 1:34:06 PM

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

Z:\Shared\Everett Smith Designs___ES Design Jobs\24-2326 EDM Recycling CUP Hong\24-2326 EDM Recycling CUP Hong 2026.03.16.rvt

MONTE VISTA AVE

(E) SCREEN WALL

53' - 0" 53' - 0"

EX. GATE

TRAILER TRAILER

FIRE HOSE T.Y.P

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28

29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67

BIO CYCLE AREA

FIRE HOSE T.Y.P

EXISTING OFFICE AREA, NO NEW SCOPE IN THIS AREA

EXISTING WAREHOUSE AREA, NO NEW SCOPE IN THIS AREA

EXISTING WAREHOUSE AREA

PROCESSED MATERIAL LOCATION

PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

ROLL OFF BINS (20')

PALLETS

FIRE CONNECTION

5' - 0"

4' - 0"

TRAVEL PATH 2% MAX

(E) SCREEN WALL

"NO PARKING" SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. PAINTS STRIPED TYP @36" O.C

ADA SIGN

TRUCK RAMP

TRUCK WELL

UP

TRASH

TRAILERS

TRAILER

TRASH BIN

ROLL OFF BINS (20')

FIRE HOSE T.Y.P

PROPANE RACK (x2)

(E) ELECTRICAL SUB-PANELS

15' - 0" 15' - 0"

FIRE HOSE T.Y.P

Item No. 6 - Easement for Railroad & Transportation
In Bk8390 Pg460 of Official Records
Affects said portion as described in the document
(15' Feet Width Strip)

Item No. 5 - Easement for Railroad & Transportation
In Bk7351 Pg307 of Official Records
Affects said portion as described in the document
(30' Feet Width Strip)

(E) SCREEN WALL

N 88° 54' 51" E
205.77'

PROPOSED SITE PLAN
SCALE: 1" = 20'-0"

1

NOTE:

EVERYTHING IN THE HIGH PILE STORAGE RACKS ARE SORTED MATERIALS PENDING SALES

PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MORSUDURAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER MORSUDUR RAHMAN C69263 Exp. 06/30/22 CIVIL STATE OF CALIFORNIA

PREPARED BY:

EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date
1	CORRECTIONS	2026.01.20

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

EXISTING SITE PLAN

Project number	24-2326
Date	3/17/2026 1:34:08 PM
Drawn by	RM
Checked by	ES

A1

Scale 1" = 20'-0"

3/17/2026 1:34:08 PM

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

(E) SCREEN WALL

TRUCK TRAILER WAITING / PARKING

45' - 0"

12' - 0"

FIRE HOSE T.Y.P

(N) 6'-0" FENCE AT REAR OF PROPERTY. WILL STOP AT THE SAME LOCATION AS NEIGHBORING PROPERTIES

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67

EXISTING OFFICE AREA, NO NEW SCOPE IN THIS AREA

EXISTING WAREHOUSE AREA, NO NEW SCOPE IN THIS AREA

PROCESSED MATERIAL LOCATION

PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

SCOPE OF WORK

FIRE CONNECTION

TRAVEL PATH 2% MAX

(E) SCREEN WALL

"NO PARKING" SHALL BE PAINTED IN WHILE LETTERS NO LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. PAINTS STRIPED TYP @36" O.C

ADA SIGN

TRUCK RAMP

TRUCK TRAILER WAITING / PARKING

45' - 0"

12' - 0"

TRUCK WELL

TRASH

UP

(E) ELECTRICAL SUB-PANELS

(N) SCREEN WALL

N 88° 54' 51" E 205.77'

MONTE VISTA AVE

PROPOSED SITE PLAN Copy 1

SCALE: 1" = 20'-0"

1

GATE SCREEN

SCALE: 1" = 1'-0"

2

PREPARED BY:

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date
1	CORRECTIONS	2026.01.20
2	PLANNING INTAKE COMMENTS 2	2026.03.17

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

PROPOSED SITE PLAN

Project number	24-2326
Date	3/17/2026 1:34:10 PM
Drawn by	RM
Checked by	ES

A1.1

Scale: As indicated

PLANS REVIEWED BY:

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CHINO, CA 91710
Tel: (213)-400-8078
MORSUDURAHMAN@GMAIL.COM

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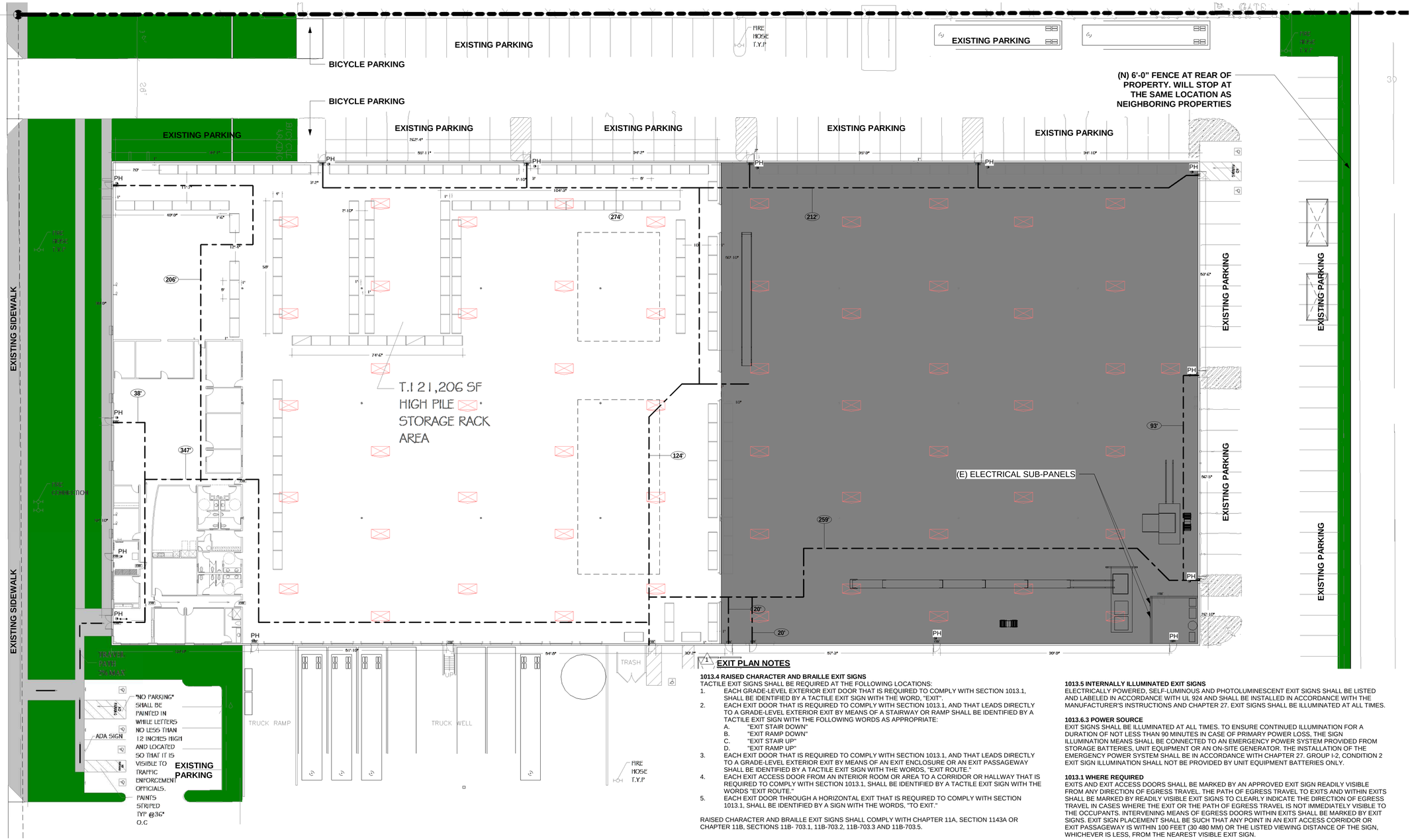


PROPOSED PEDESTRIAN ACCESS PLAN (1)

SCALE: 1" = 20'-0"

EXIT PLAN NOTES

1013.4 RAISED CHARACTER AND BRAILLE EXIT SIGNS

TACTILE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:

1. EACH GRADE-LEVEL EXTERIOR EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT".
2. EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
   - A. "EXIT STAIR DOWN"
   - B. "EXIT RAMP DOWN"
   - C. "EXIT STAIR UP"
   - D. "EXIT RAMP UP"
3. EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE."
4. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE."
5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS, "TO EXIT."

RAISED CHARACTER AND BRAILLE EXIT SIGNS SHALL COMPLY WITH CHAPTER 11A, SECTION 1143A OR CHAPTER 11B, SECTIONS 11B- 703.1, 11B-703.2, 11B-703.3 AND 11B-703.5.

1013.5 INTERNALLY ILLUMINATED EXIT SIGNS

ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTOLUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CHAPTER 27. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.

1013.6.3 POWER SOURCE

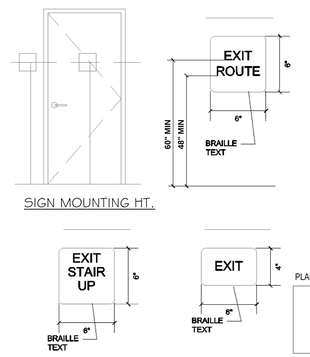
EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE SIGN ILLUMINATION MEANS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH CHAPTER 27, GROUP I-2, CONDITION 2 EXIT SIGN ILLUMINATION SHALL NOT BE PROVIDED BY UNIT EQUIPMENT BATTERIES ONLY.

1013.1 WHERE REQUIRED

EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL IN CASES WHERE THE EXIT OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS SHALL BE MARKED BY EXIT SIGNS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT ANY POINT IN AN EXIT ACCESS CORRIDOR OR EXIT PASSAGEWAY IS WITHIN 100 FEET (30 480 MM) OR THE LISTED VIEWING DISTANCE OF THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.

OCCUPANCY LEGEND

- PRIMARY EXIT
- EXIT NUMBER
- 204 ROOM NUMBER
- ILLUMINATED EXIT SIGN
- DIRECTIONAL ILLUMINATED EXIT SIGN
- PH PANIC HARDWARE VON DUPRIN-35A-NL-OP OR EQUAL
- SG TACTILE 'EXIT' SIGN
- SG TACTILE 'EXIT ROUTE' SIGN
- TACTILE 'EXIT STAIRS DOWN' SIGN
- SG TACTILE 'NOT AN EXIT' SIGN



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Tel: (213)-400-8078
MOKSUD.RAHMAN@GMAIL.COM

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30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

PEDESTRIAN ACCESS

Project number	24-2326
Date	3/17/2026 1:34:13 PM
Drawn by	Author
Checked by	Checker

A1.2

Scale: As indicated

3/17/2026 1:34:13 PM

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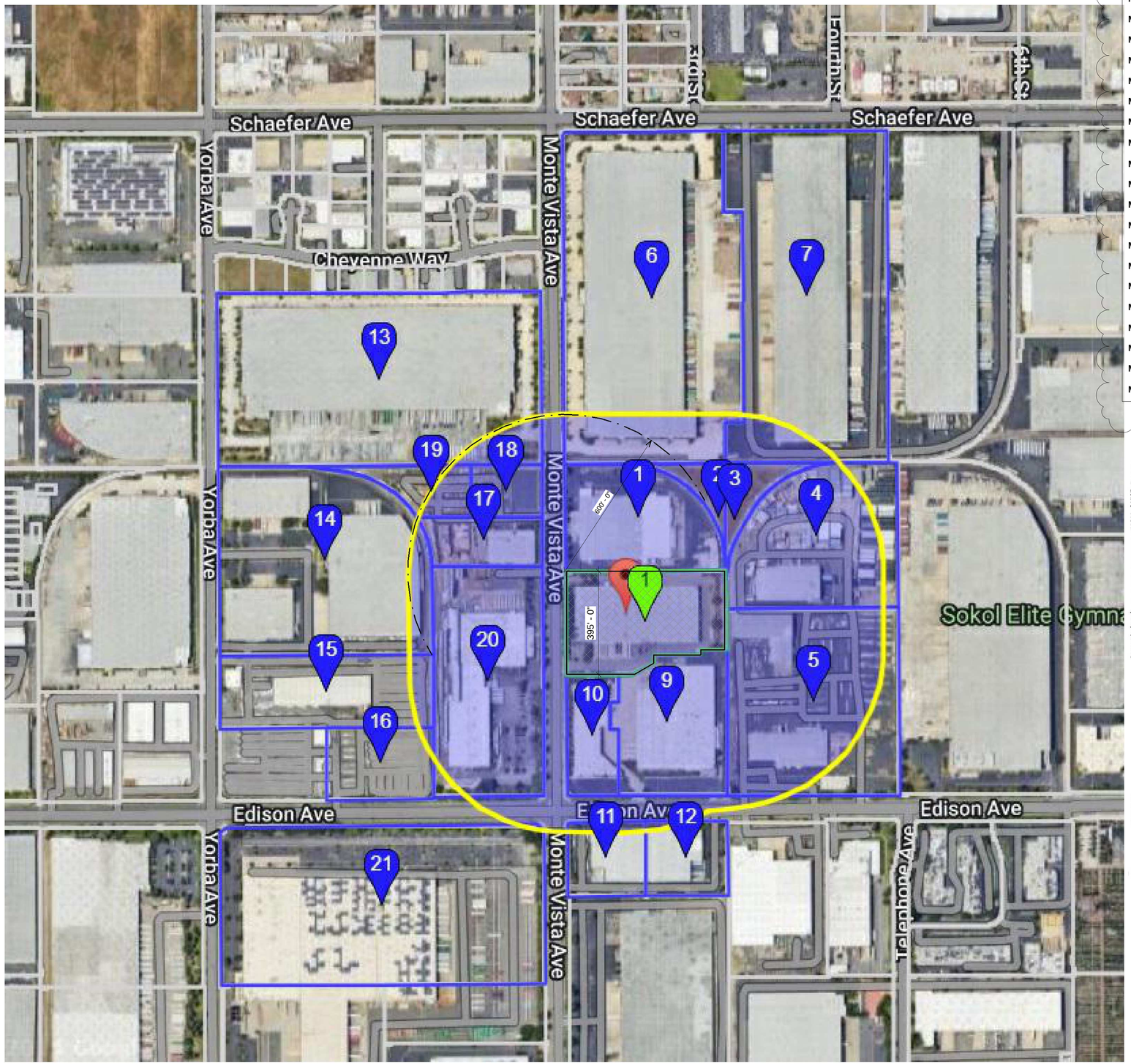
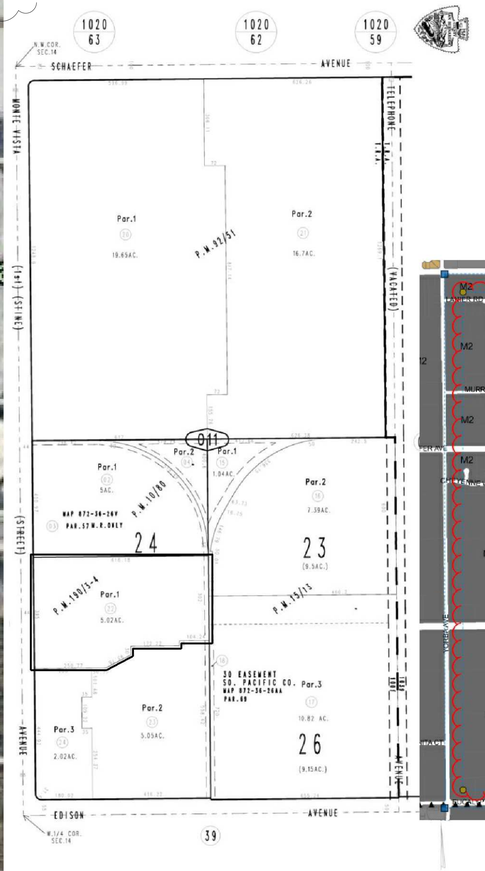


600FT RADIUS MAP

SCALE: 1" = 200'-0"

1

ZONE	ADJACENT PARCELS					
M2	1	SBD	1021-011-02-0000	CENTERPOINT MONTE VISTA LLC	13951 MONTE VISTA AVE	CHINO CA 91710-5536
M2	2	SBD	1021-011-04-0000	TSIEBOS MICHELLE	M2	
M2	3	SBD	1021-011-15-0000	Y2118	EDISON AVE	CHINO CA 91710
M2	4	SBD	1021-011-16-0000	PROLOGIS LP	EDISON AVE	CHINO CA 91710
M2	5	SBD	1021-011-17-0000	PROLOGIS LP	5088 EDISON AVE A	CHINO CA 91710-5715
M2	6	SBD	1021-011-20-0000	CHINO REAL ESTATE 13799 LLC	13799 MONTE VISTA AVE	CHINO CA 91710-5562
M2	7	SBD	1021-011-21-0000	REEP-IND CHINO CA LLC	5085 SCHAEFER AVE	CHINO CA 91710-5541
M2	8	SBD	1021-011-22-0000	WL INTERNATIONAL LLC	13975 MONTE VISTA AVE	CHINO CA 91710-5536
M2	9	SBD	1021-011-23-0000	EIF II 4900 LLC	4950 EDISON AVE	CHINO CA 91710-5713
M2	10	SBD	1021-011-24-0000	EIF II 4900 LLC	4900 EDISON ST	CHINO CA 91710-5713
M2	11	SBD	1021-391-04-0000	EDISON AVENUE PARTNERS	4975 EDISON AVE	CHINO CA 91710-5714
M2	12	SBD	1021-391-05-0000	EDISON AVENUE PARTNERS	4925 EDISON AVE	CHINO CA 91710-5714
M2	13	SBD	1022-161-04-0000	TGA 13880 MONTE VISTA AVE LLC	13880 MONTE VISTA AVE	CHINO CA 91710-5533
M2	14	SBD	1022-171-19-0000	BPP SHIRAZ YORBA LP	13901 YORBA AVE	CHINO CA 91710-5521
M2	15	SBD	1022-171-22-0000	GASKIN PROPERTIES CHINO LLC	14055 YORBA AVE	CHINO CA 91710-5523
M2	16	SBD	1022-171-23-0000	GASKIN PROPERTIES CHINO LLC	EDISON AVE	CHINO CA 91710
M2	17	SBD	1022-171-27-0000	SYCAMORE INVESTMENTS LLC	13948 MONTE VISTA AVE	CHINO CA 91710-5535
M2	18	SBD	1022-171-28-0000	SYCAMORE INVESTMENTS LLC	MONTE VISTA AVE	CHINO CA 91710
M2	19	SBD	1022-171-29-0000	SYCAMORE INVESTMENTS LLC	13950 MONTE VISTA AVE	CHINO CA 91710-5535
M2	20	SBD	1022-171-33-0000	BERRY GLOBAL FILMS LLC	14000 MONTE VISTA AVE	CHINO CA 91710-5537
M2	21	SBD	1022-471-04-0000	AMERICAN HONDA MOTOR CO INC	14141 YORBA AVE	CHINO CA 91710-5776



PREPARED BY:

EVERETT SMITH DESIGNS, INC

30141 ANTELOPE RD. D774
MENIFEE, CA 92584

Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No:	Description	Date
1	CORRECTIONS	2026.01.20
2	PLANNING INTAKE COMMENTS 2	2026.03.17

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

SITE UTILIZATION

PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MOKSUD.RAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER
MOKSUDUR RAHMAN
C69263
Exp. 06/30/27
CIVIL
STATE OF CALIFORNIA

Project number	24-2326
Date	3/17/2026 1:34:13 PM
Drawn by	Author
Checked by	Checker

A1.3

Scale 1" = 200'-0"

3/17/2026 1:34:13 PM

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⚠ EXIT PLAN NOTES

CONTRACTOR TO PROVIDE TACTILE EXIT SIGNAGE THAT COMPLIES WITH C.B.C.
SECTION 1011.3 AT TI-IE FOLLOWING LOCATIONS WITI-I THE FOLLOWING WORDS:

I. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT."

2. EACH EXIT DOOR THAT LEAD& DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
A. EXIT STAIR DOWN"
B. "EXIT RAMP DOWN"
C. "EXIT STAIR UP"
D. "EXIT RAMP UP"

3. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE THAT DOES NOT UTILIZE A STAIR OR RAMP, OR BY MEANS OF AN EXIT PASSAGEWAY, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE."

4. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TI-IAT I& REQUIRED TO HAVE A VISUAL EXIT SIGN, &1-IALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITI-I TI-IE WORDS, "EXIT ROUTE."

5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SI-IALL BE IDENTIFIED ST A TACTILE EXIT SIGN WITH TI-IE WORDS "TO EXIT."

PRIMARY EXIT

EXIT NUMBER

EXIT EXIT SIGNAGE

ILLUMINATED EXIT SIGN

DIRECTIONAL ILLUMINATED EXIT SIGN

PH PANIC HARDWARE

VON DUPRIN-35A-NL-OP OR EQUAL

SG TACTILE 'EXIT' SIGN

SG TACTILE 'EXIT ROUTE' SIGN

Section 1016 Exit Access

1016.1 General

The exit access shall comply with the applicable provisions of Sections 1003 through 1015. Exit access arrangement shall comply with Sections 1016 through 1021.

1016.2 Egress Through Intervening Spaces

Egress through intervening spaces shall comply with this section.
Exit access through an enclosed elevator lobby is permitted in other than a Group I-2 and I-2.1. Access to not less than one of the required exits shall be provided without travel through the enclosed elevator lobbies required by Section 3006. Where the path of exit access travel passes through an enclosed elevator lobby, the level of protection required for the enclosed elevator lobby is not required to be extended to the exit unless direct access to an exit is required by other sections of this code.

Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas and the area served are accessory to one or the other, are not a Group H occupancy and provide a discernible path of egress travel to an exit.

Exception: Means of egress are not prohibited through adjoining or intervening rooms or spaces in a Group H, S or F occupancy where the adjoining or intervening rooms or spaces are the same or a lesser hazard occupancy group.
An exit access shall not pass through a room that can be locked to prevent egress.
Means of egress from dwelling units or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms.

Egress shall not pass through kitchens, storage rooms, closets or spaces used for similar purposes.

Exceptions:
Means of egress are not prohibited through a kitchen area serving adjoining rooms constituting part of the same dwelling unit or sleeping unit.

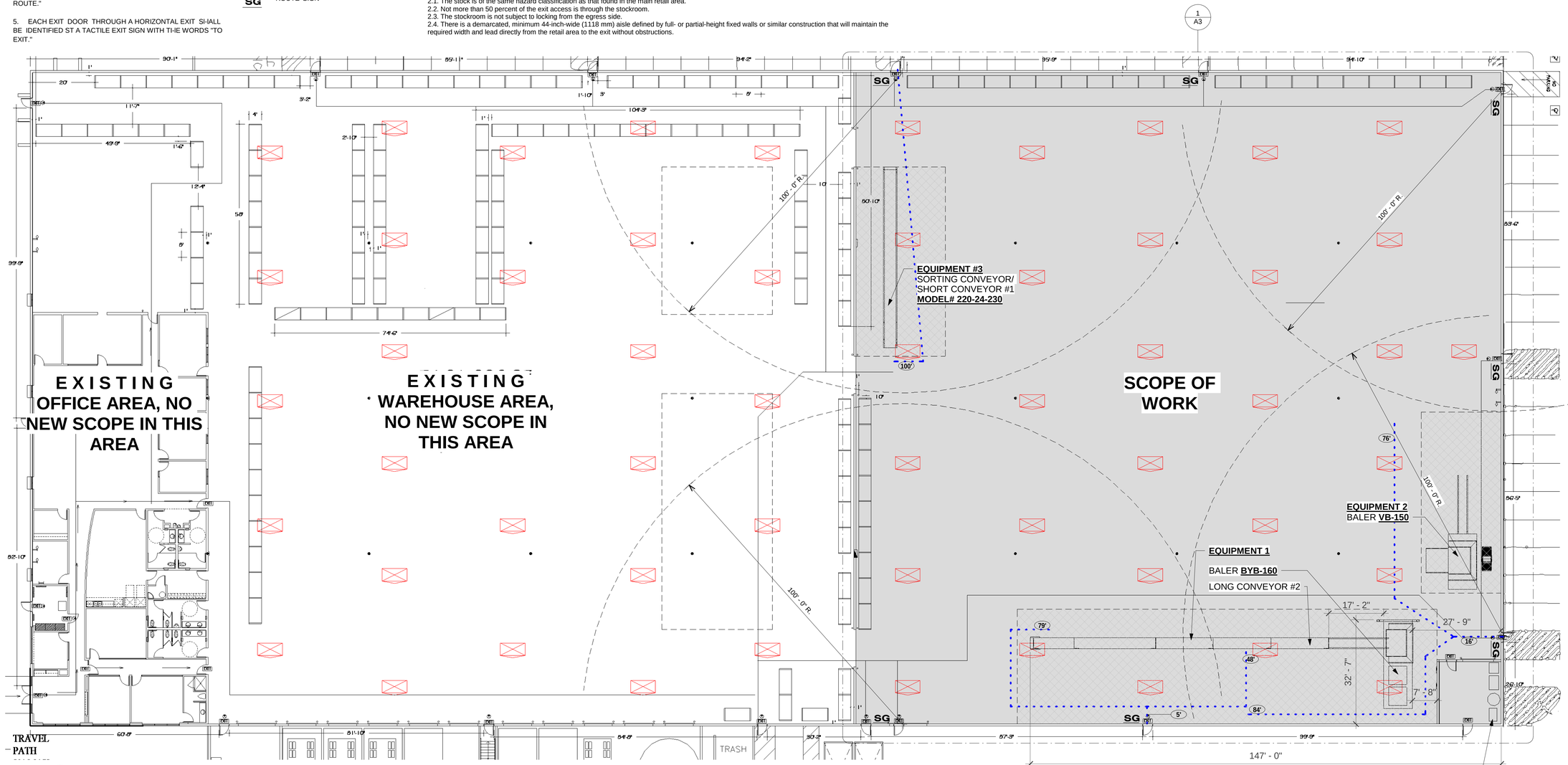
Means of egress are not prohibited through stockrooms in Group M occupancies where all of the following are met:
2.1. The stock is of the same hazard classification as that found in the main retail area.
2.2. Not more than 50 percent of the exit access is through the stockroom.
2.3. The stockroom is not subject to locking from the egress side.
2.4. There is a demarcated, minimum 44-inch-wide (1118 mm) aisle defined by full- or partial-height fixed walls or similar construction that will maintain the required width and lead directly from the retail area to the exit without obstructions.

FLOOR PLAN / WALL LEGEND

(E) WALL TO REMAIN

11B DOOR CLEARANCE

ALL DOORS ARE EXISTING. NO CHANGE



1 PROPOSED FIRST FLOOR PLAN
1/16" = 1'-0"

	Make	Model #	Serial #	Power	Voltage
Short Converyor #1	New London Engineering	220-24-230	10-94777		
Baler #1	Guangzhou Panyu Qiangye Machinery Co., LTD	VB-150		45 KW	480 V
Baler #2	Guangzhou Panyu Qiangye Machinery Co., LTD	BYB-160		37 KW	480 V
Long Converyor #2	Guangzhou Panyu Qiangye Machinery Co., LTD	6		2.2 KW	480 V

OPERABLE PARTS HARDWARD ON DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL BE LOCATED AT 34" TO 44" MAX ABOVE THE FLOOR

NOTES:

1. **EXIT SIGNS SHALL BE LIT AT ALL TIMES AND SHALL BE PROVIDED WITH A SECONDARY SOURCE OF POWER.**
2. **ALL NEW DOORS SHALL BE PROVIDED WITH LEVER AND OR PUSH/PULL TYPE HARDWARE.**

PLANS REVIEWED BY:

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MOKSUD.RAHMAN@GMAIL.COM

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PROPOSED FLOOR PLAN

Project number	24-2326
Date	3/17/2026 1:34:17 PM
Drawn by	RM
Checked by	ES

A2

Scale: As indicated

3/17/2026 1:34:17 PM

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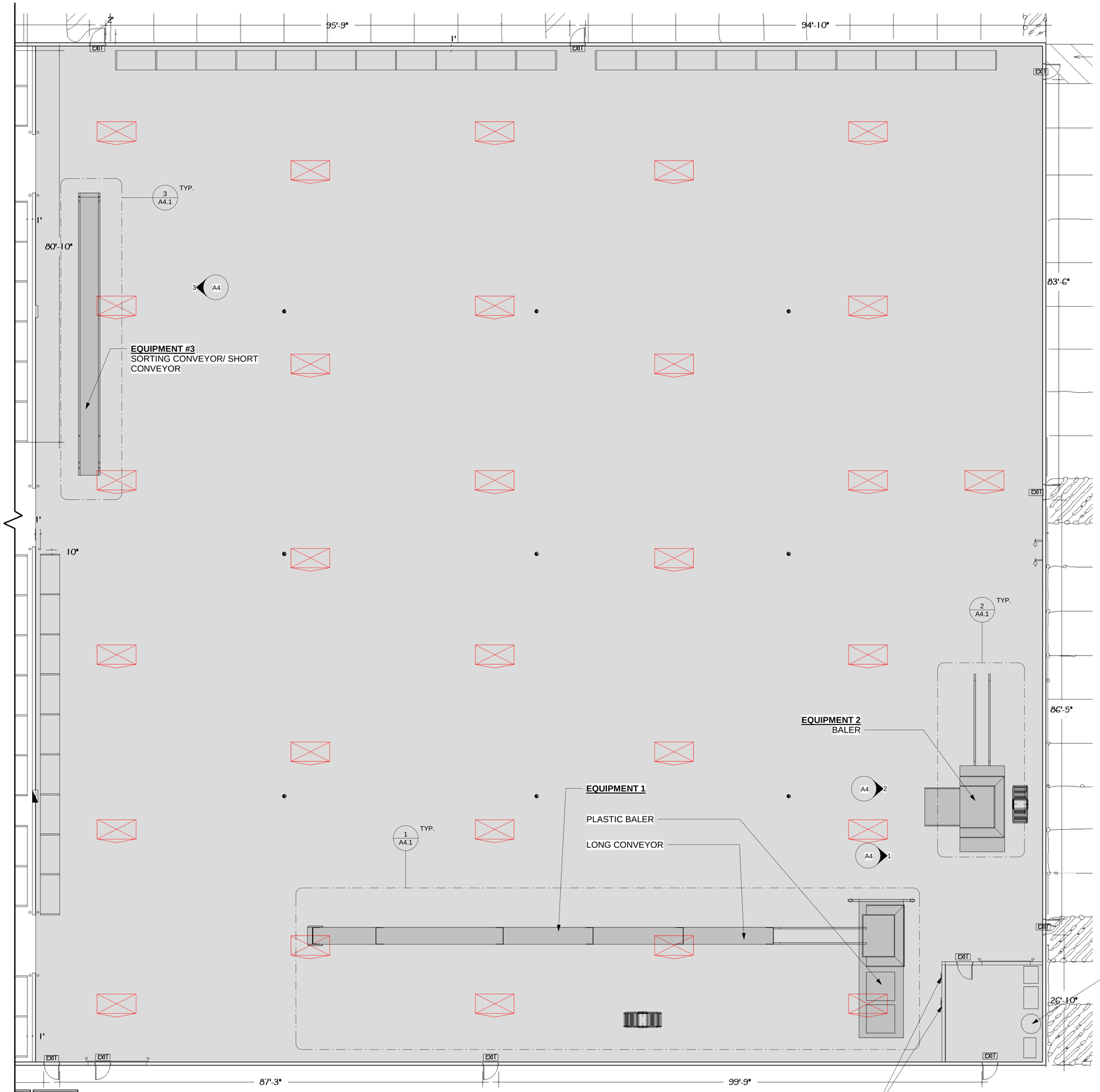
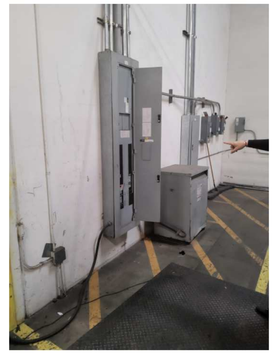


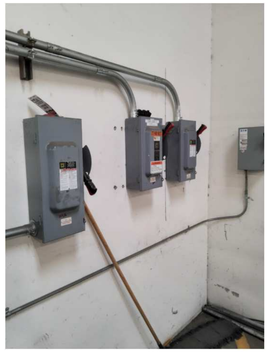
ENLARGED PLAN

SCALE: 1" = 10'-0"

1



SUB-PANELS



SUB-PANELS

COMPRESSOR ROOM

PREPARED BY:

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PROPOSED ENLARGED PLAN

Project number	24-2326
Date	3/17/2026 1:34:19 PM
Drawn by	RM
Checked by	ES

A3

Scale 1" = 10'-0"

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Tel: (213)-400-8078
MOKSUD.RAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER MOKSUDUR RAHMAN C69263 Exp. 06/30/27 CIVIL STATE OF CALIFORNIA

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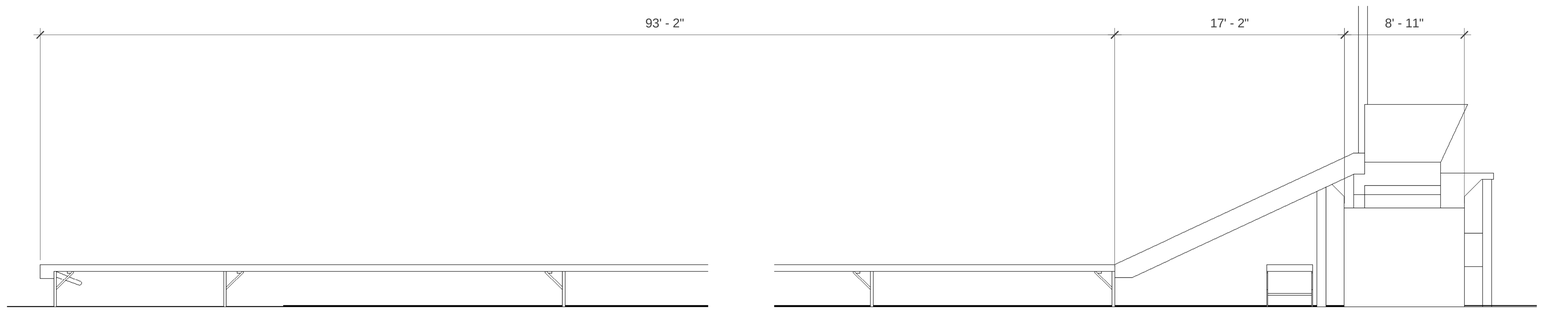
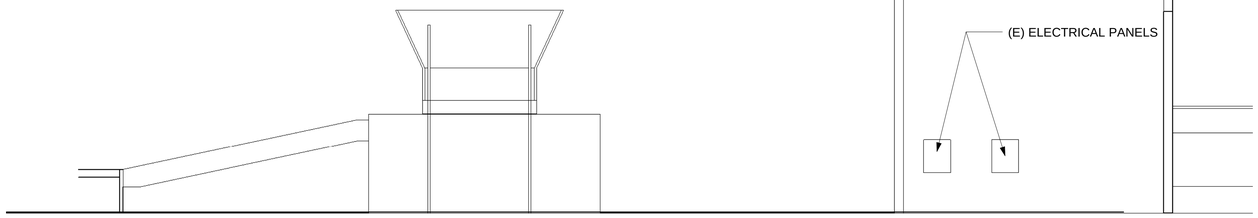


EQUIPMENT 1 ELEVATION

SCALE: 3/16" = 1'-0"

1

EQUIPMENT 1 BALER / LONG CONVEYOR



EQUIPMENT 2 ELEVATION

SCALE: 3/16" = 1'-0"

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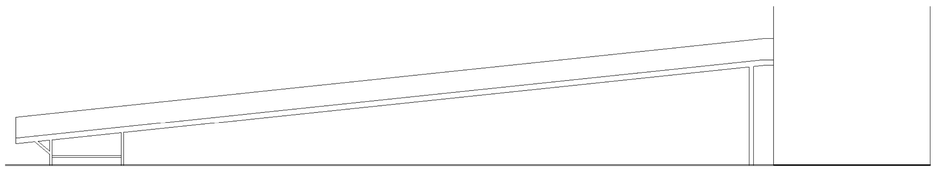
EQUIPMENT 2 (STEEL BALER)



SHORT CONVEYOR

SCALE: 3/16" = 1'-0"

3

EQUIPMENT 3
SORTING CONVEYOR / SHORT CONVEYOR

PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MOKSUDURAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER
MOKSUDUR RAHMAN
C69263
Exp. 06/30/22
CIVIL
STATE OF CALIFORNIA

PREPARED BY:

EVERETT SMITH
DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

EQUIPMENT ELEVATIONS

Project number	24-2326
Date	3/17/2026 1:34:21 PM
Drawn by	Author
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Scale 3/16" = 1'-0"

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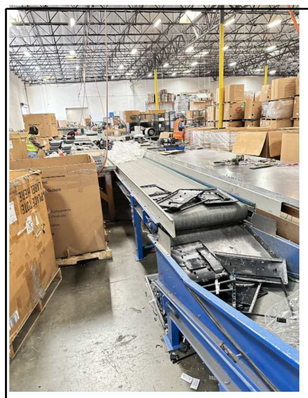

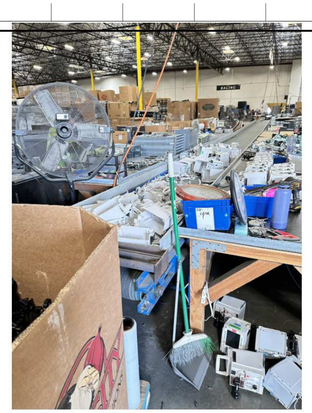
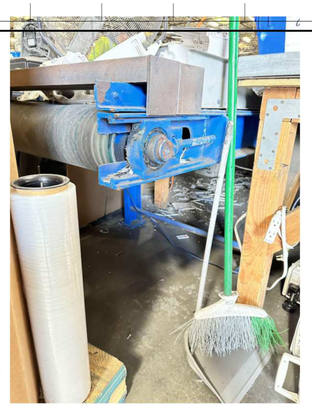
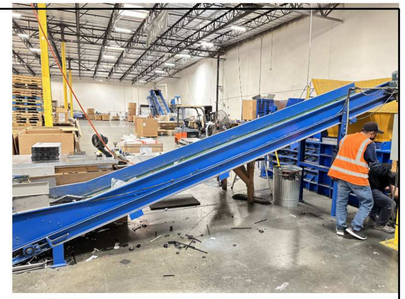

EQUIPMENT 1

SCALE: 12" = 1'-0"

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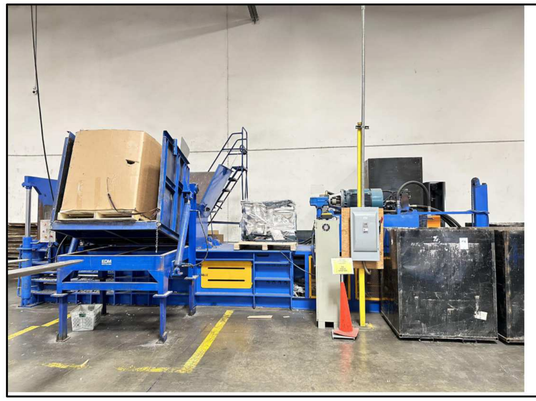
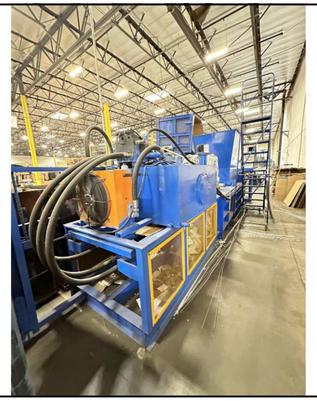

EQUIPMENT 2

SCALE: 12" = 1'-0"

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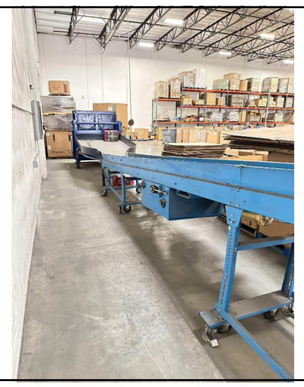

EQUIPMENT 3

SCALE: 12" = 1'-0"

3

PREPARED BY:

EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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CLIENT NAME:

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EQUIPMENT PICTURES

Project number	24-2326
Date	3/17/2026 1:34:23 PM
Drawn by	Author
Checked by	Checker

A4.1

Scale 12" = 1'-0"

PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MOKSUD.RAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER
MOKSUDUR RAHMAN
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	Make	Model #	Serial #	Power	Voltage
Short Converyor #1	New London Engineering	220-24-230	10-94777		
Baler #1	Guangzhou Panyu Qiangye Machinery Co., LTD	VB-150		45 KW	480 V
Baler #2	Guangzhou Panyu Qiangye Machinery Co., LTD	BYB-160		37 KW	480 V
Long Converyor #2	Guangzhou Panyu Qiangye Machinery Co., LTD	6		2.2 KW	480 V

New London Engineering

Home (https://nleco.com/) Products (https://nleco.com/products) Customer Support (https://nleco.com/customer-support)

Markets Served (https://nleco.com/markets-served) UPtime Express (https://nleco.com/uptime-express)

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NLECO (https://nleco.com) > Products (https://nleco.com/products) > Slider Bed Conveyors (https://nleco.com/products/horizontal-slider-bed-conveyors) > 220 Medium-Heavy Duty Conveyor

220 Medium-Heavy Duty Conveyor

Slider Bed Conveyors

Description:

This heavy duty, deep frame slider bed is built for low-maintenance and extended use. This sturdy, solid conveyor is designed for longer, wider, and heavier weight slider bed applications.

Standard Specifications

- Widths: Up to 48"
- Lengths: 5'– 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together
- Standard Speed: 60 FPM
- Standard Motor: 1/2 HP 230/460/1/60 TEFC
- Standard Drive: Bottom Mount, Right Side

Standard Belt: Black PVC 120, Clipper Lacing

- Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16"
- Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16"
- Frame: 5-1/2" Deep x 12 Gauge
- Standard Supports: 30" Elevation "op of Belt

QUARANTEE

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SHORT CONVEYOR

VB-150

Product Description | Company Info.

Basic Info.

Model NO.	VB-150	Transport Package	Warpping Films
Specification	2000*1900*4200mm	Trademark	QIANGYE MACHINERY
Origin	Guangdong, China (Mainland)	HS Code	8422400000
Production Capacity	20sets/Month		

Product Description

Waste Paper Baling Press Machine /Vertical Hydraulic plastic scrap baler manufacturer/Hydraulic waste plastic bottle press baler
Special Features:
1.It is designed as vertical structure, hydraulic transmission, electrical control
2.The working pressure from 10T to 100T optional.
3.This packing machine mainly is used for baling all kinds of waste paper, plastic, metal, textiles and other recyclable materials
4.Pressing,baling and packing recycled materials quickly and easily.In the meanwhile,the bale machine can improve efficiency of crushing machines by making recycled materials easy to be crushed after pressing.
5.Besides reducing freight of transportation. Semi-automatic hydraulic bale machine also saves conveyance manpower and materials by pressing bulk materials into block after packing.
6.Good adaptability and long service life.

Packaging & Delivery

Packaging Details	1. Outside package: Standard export wooden cases 2. Inner package: Stretch film
Delivery Time	

Model	Baler size L*W (mm)	Work pressure (KN)	Main power (KW)	Overall dimension L*W*H(mm)	Total Weight (KG)
VB-30T	900*600mm	300kn	7.5kw	1200*1000*3150mm	1500kg
VB-40T	900*600mm	400kn	7.5kw	1200*1000*3150mm	1800kg
VB-60T	1000*650mm	600kn	11kw	1530*1300*3550mm	2800kg
VB-80T	1000*650mm	800kn	11kw	1600*1350*3550mm	3280kg
VB-100T	1000*650mm	1000kn	15kw	1600*1350*3550mm	4200kg
	1100*800mm	1000kn	15kw	1700*1400*3550mm	4700kg
	1250*1100mm	1000kn	18.5kw	1840*1500*3550mm	6300kg
VB-150T	1100*800mm	1500kn	18.5kw	1800*1600*3846mm	7720kg
	1100*1250mm	1500kn	22kw	2000*1900*3846mm	8500kg

VB-160

Features:

1) Baling force from 10 to 100 tons with a variety of models &specifications.

2) Hydraulic drive &top-mounted cylinder,use less energy, with huge operating energy

3) Four-door,well shaped wear silk, for a variety of soft materials (waste paper, waste plastic, PET mineral water bottles, straw, clothing, wasted cotton, pieces of cloth, wool tops, can also be used for cotton lint, cashmer, towels, cloth, blankets, bags and other soft objects in the compressed package.) compression packing. Compact structure, nice appearance, economical and practical, easy maintenance, wide range of application.

Model	**RD-VB-120T A**
Hydraulic Power (Ton / KN)	**120Tone / 1200KN**
Hydraulic Cylinder	**Φ 200**
Bale Size(L*W*H)	**1200*800*1000mm**
Capability	**8-10bales/hour**
Bale Weight(KG)	**850Kg**
Voltage	**380V,50Hz**
Mainl Power (KW)	**22KW/30HP**

PREPARED BY:

EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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EQUIPMENT SPECS

Project number	24-2326
Date	3/17/2026 1:34:24 PM
Drawn by	Author
Checked by	Checker

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Scale

PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MOKSUD.RAHMAN@GMAIL.COM

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11B-603.1 GENERAL
TOILET AND BATHING ROOMS SHALL COMPLY WITH SECTION 11B-603.

11B-603.2 CLEARANCES
CLEARANCES SHALL COMPLY WITH SECTION 11B-603.2.

11B-603.2.1 TURNING SPACE
TURNING SPACE COMPLYING WITH SECTION 11B-304 SHALL BE PROVIDED WITHIN THE ROOM.

11B-603.2.2 OVERLAP
REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP.

11B-603.2.3 DOOR SWING
DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE WITHOUT LIMITATION. OTHER THAN DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS, A DOOR, IN ANY POSITION, SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE BY 12 INCHES (305 MM) MAXIMUM.

11B-603.3 MIRRORS
MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES (1016 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES (889 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

11B-604.2 LOCATION
THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTER-LINE OF THE WATER CLOSET SHALL BE 17 INCHES (432 MM) MINIMUM TO 18 INCHES (457 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES (432 MM) MINIMUM AND 19 INCHES (483 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN SECTION 11B-604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

11B-604.3.1 SIZE
CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES (1524 MM) MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES (1422 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. A MINIMUM 60 INCHES (1524 MM) WIDE AND 48 INCHES (1219 MM) DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.

11B-604.4 SEATS
THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (432 MM) MINIMUM AND 19 INCHES (483 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. SEATS SHALL BE 2 INCHES (51 MM) HIGH MAXIMUM.

11B-604.5.1 SIDE WALL
THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1067 MM) LONG MINIMUM, LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES (1372 MM) MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES (610 MM) MINIMUM IN FRONT OF THE WATER CLOSET.

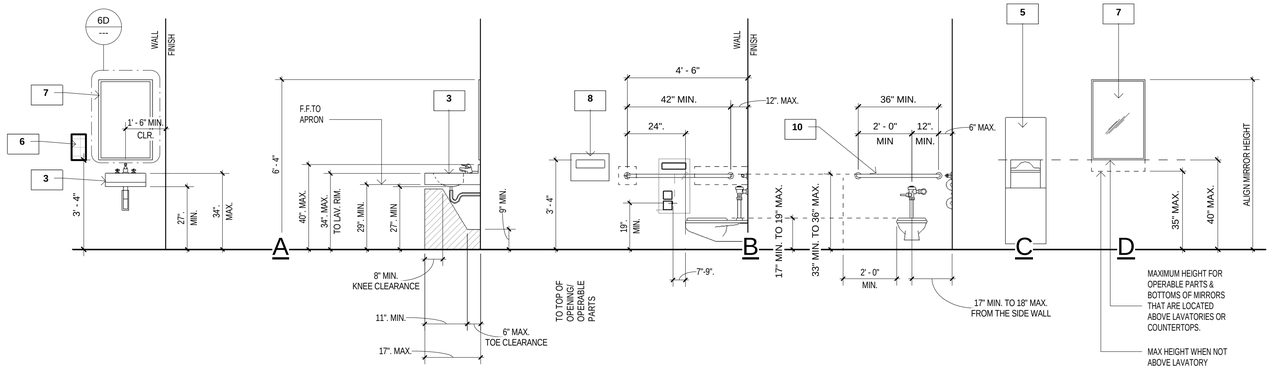
11B-604.5.2 REAR WALL
THE REAR WALL GRAB BAR SHALL BE 36 INCHES (914 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE.

11B-604.6 FLUSH CONTROLS
FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 EXCEPT THEY SHALL BE LOCATED 44 INCHES (1118 MM) MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH SECTION 11B-604.8.2.

11B-604.7.2 DISPOSAL UNITS
SANITARY NAPKIN DISPOSAL UNITS, IF PROVIDED, SHALL COMPLY WITH SECTION 11B-309.4 AND SHALL BE WALL MOUNTED AND LOCATED ON THE SIDEWALL BETWEEN THE REAR WALL OF THE TOILET AND THE TOILET PAPER DISPENSER, ADJACENT TO THE TOILET PAPER DISPENSER. THE DISPOSAL UNIT SHALL BE LOCATED BELOW THE GRAB BAR WITH THE OPENING OF THE DISPOSAL UNIT 19 INCHES MINIMUM (483 MM) ABOVE THE FINISH FLOOR.

KEYNOTES - RESTROOM (SEE AD3)

	ITEM	PRODUCT	COMMENTS
1	WATER CLOSET	AMERICAN STANDARD - 3451.660 MADERA 15" HEIGHT 1.6 GPF...	ACCESSIBLE, PER 11B OF CBC
2	URINAL	N/A	ACCESSIBLE, PER 11B OF CBC
3	LAVATORY AND FAUCET (WALL MOUNTED)	AMERICAN STANDARD - DECORUM 21"x20-1/4" WALL HUNG LAVATORY. 9134001EC (CENTER HOLE ONLY)	ACCESSIBLE, PER 11B OF CBC
4	FAUCET	AMERICAN STANDARD PARDIGM SELECTRONIC INTEGRATED PROXIMITY LAVATORY FAUCET	ACCESSIBLE, PER 11B OF CBC
5	TOWEL DISPENSERS AND WASTE RECEPTACLE	BOBRICK B-3979	SURFACE MOUNTED, STAINLESS STEEL
6	LIQUID SOAP DISPENSER	BOBRICK B-2013	VERIFY SPECIFICATIONS WITH CITY
7	MIRROR	BOBRICK B-290 2448	
8	TOILET SEAT COVER	BOBRICK B-3091 OR SIMILAR	VERIFY SPECIFICATIONS WITH CITY
9	TOILET TISSUE DISPENSER	BOBRICK B-3091 OR SIMILAR	VERIFY SPECIFICATIONS WITH CITY
10	GRAB BARS	BACK: BOBRICK (or equal) B-6806 x 36" SIDE: BOBRICK (or equal) B-6806 X 42"	STAINLESS - CONCEALED MOUNTING,1 1/2" dim. CAPABLE OF 250 LBS LOAD MIN



6 RESTROOM DIMENSIONS
3/8" = 1'-0"

11B-605.2 Height and Depth AMENDMENT

Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (432 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (343 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.

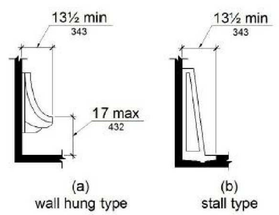


FIGURE 11B-605.2
HEIGHT AND DEPTH OF URINALS

PREPARED BY:
EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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EXITING RESTROOM DETAILS

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PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
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2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2022 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y | N/A | RESPON. PARTY

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1et seq. for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)
301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL
5.101.1 SCOPE
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS
5.102.1 DEFINITIONS
The following terms are defined in Chapter 2(and are included here for reference)

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.
Eligible vehicles are limited to the following:

1. Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (original equipment manufacturer only) regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962.
2. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV).A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT
5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance . Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMPs acceptable to the enforcing agency.
2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities.
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g Spill prevention and control.
   h. Other housekeeping BMPs acceptable to the enforcing agency.

Y | N/A | RESPON. PARTY

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.
5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

5.106.5.2 DESIGNATED PARKING FOR CLEAN AIR VEHICLES. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

TABLE 5.106.5.2 - PARKING

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
25-50	3
51-75	6
76-100	8
101-150	11
151-200	16
201 AND OVER	AT LEAST 8% OF TOTAL

5.106.5.2.1 - Parking stall marking. Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle: CLEAN AIR / VAN POOL / EV

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.

5.106.5.3 Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code,the California Electrical Codeand as follows:

5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. A listed raceway capable of accommodating a 208/240 -volt dedicated branch circuit.
3. The raceway shall not be less than trade size 1".
4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and listed suitable cabinet, box, enclosure or equivalent.
5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.

5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.
3. Plan design shall be based upon 40-ampere minimum branch circuits.
4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.
5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.

5.106.5.3.3 EV charging space calculations. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:

Y | N/A | RESPON. PARTY

1. Where there is insufficient electrical supply.
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

TABLE 5.106.5.3.3

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 AND OVER	6% of total[1]

1. Calculation for spaces shall be rounded up to the nearest whole number.

5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".

5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

5.106.8 LIGHT POLLUTION REDUCTION. [N].I Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

Note: [N]
1. See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.
2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B.
3. Refer to the California Building Code for requirements for additions and alterations.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS[1,2]

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING [3]					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting [4]	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING [5] (G)					
Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4
Luminaire front hemisphere is 1-2 MH from property line	N/A	G0	G1	G1	G2
Luminaire front hemisphere is 0.5-1 MH from property line	N/A	G0	G0	G1	G1
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	G0	G0	G0	G1
1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the Callifornia Administrative Code.					
2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.					
3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.					
4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meetU-value limits for "all other outdoor lighting".					
5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.					

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

Y | N/A | RESPON. PARTY

5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculations.

5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL
5.201.1 Scope [BSC-CG] California Energy Code [DSA-SS] . For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL
5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS
5.302.1 Definitions. The following terms are defined in Chapter 2(and are included here for reference)

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS].An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO).The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD]The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic puroses, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

SUBMETER. A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

SECTION 5.303 INDOOR WATER USE
5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.
5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG]
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
Note: A hand-held shower shall be considered a showerhead.

PLANS REVIEWED BY:

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MOKHLUR.RAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER MOKHLUR RAHMAN C69263 Exp. 06/30/22 CIVIL STATE OF CALIFORNIA

PREPARED BY:
EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:
13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:
EMD RECYCLING CUP

Green Building

Project number	24-2326
Date	3/17/2026 1:34:29 PM
Drawn by	RM
Checked by	ES

GRN1

Scale

3/17/2026 1:34:29 PM

DISCLAIMER:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

Z:\Shared\Everett Smith Designs___ES Design Jobs\24-2326 EDM Recycling CUP Hong\24-2326 EDM Recycling CUP Hong 2026.03.16.rvt

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2022 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y	N/A	RESPON. PARTY

5.303.3.4 Faucets and fountains.

5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

☐ ☐ 5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

☐ ☐ 5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

☐ ☐ 5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS.Plumbing fixtures and fittings shall be installed in accordance with theCalifornia Plumbing Code and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Codeand in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

☐ ☐ 5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

Notes:
1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

☐ ☐ 5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2(and are included here for reference)

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

TEST. A procedure to determine quantitative performance of a system or equipment

Y	N/A	RESPON. PARTY

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION.Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

☐ ☐ 5.407.2 MOISTURE CONTROL.Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings . Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

☐ ☐ 5.408.1 CONSTRUCTION WASTE MANAGEMENT.Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

☐ ☐ 5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A_REGS_UWR_FinalText.pdf

☐ ☐ 5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

☐ ☐ 5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception : Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception : Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of thePublic Resources Code Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

Y	N/A	RESPON. PARTY
☐	☐	

5.410.2 COMMISSIONING. [N]New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.

Informational Notes:

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.

2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with theCalifornia Energy Code

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:
1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:
1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements inCalifornia Code of Regulations(CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:
1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:
1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

☐ ☐ 5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

Y	N/A	RESPON. PARTY

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2(and are included here for reference)

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA).The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32ºFahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTSComposite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I–joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn).The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV).An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of theCalifornia Electrical Code off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCS)).One or more spaces intended for charging electric vehicles.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE).The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ENERGY EQUIVALENT (NOISE) LEVEL (Leq).The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP).The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE).A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT.A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009)

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT.A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR).The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O3/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR)The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC).Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES.Access fittings with a valve core installed.

SHORT RADIUS ELBOW.Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET.For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a)
.

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

☐ ☐ 5.503 FIREPLACES
5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

☐ ☐ 5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction

☐ ☐ 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

PREPARED BY:

EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

Green Building

Project number	24-2326
Date	3/17/2026 1:34:32 PM
Drawn by	RM
Checked by	ES

GRN2

Scale

3/17/2026 1:34:32 PM

RAHMAN ENGINEERING
MOJIZUR RAHMAN, PE, CBO
CHINO, CA 91710
TEL: (213) 400-8809
MOJIZUR.RAHMAN@GMAIL.COM

REGISTERED BY:

MOJIZUR RAHMAN PROFESSIONAL ENGINEER C69263 CIVIL CALIFORNIA
Exp. 06/30/2027

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2022 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y | N/A | RESPON. PARTY

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[5]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and product requirements:

1. Carpet and Rug Institute's Green Label Plus Program.
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350).
3. NSF/ANSI 140 at the Gold level or higher;
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or
4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL.Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

   Exceptions:

   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO_2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Codeand as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

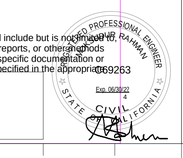
[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When special documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

RAHMAN ENGINEERING
13611 12TH ST, SUITE-B,
CHINO, CA 91710
Tel: (213)-400-8078
MOKSUD.RAHMAN@GMAIL.COM



PREPARED BY:
EVERETT SMITH DESIGNS, INC
30141 ANTELOPE RD. D774
MENIFEE, CA 92584
Email: everett@everettsmithdesigns.com

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PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

13975 Monte Vista Avenue, Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

Green Building

Project number	24-2326
Date	3/17/2026 1:34:34 PM
Drawn by	RM
Checked by	ES

GRN3

Scale

3/17/2026 1:34:34 PM

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

MEMORANDUM
CITY OF CHINO
DEVELOPMENT SERVICES DEPARTMENT

PLANNING COMMISSION MEETING DATE: MAY 20, 2026

PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit)

LOCATION MAP

PROJECT NO.: PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit).

APPLICANT: Sycamore Academy of Science and Cultural Arts – Chino Valley

REQUEST: A request to establish a temporary public charter school for a period not to exceed three (3) years for Sycamore Academy of Science and Cultural Arts, including the construction of five modular classroom buildings, totaling 7,200 square feet within the RD1 (Residential/Agricultural) zoning district.

LOCATION: 5500 Francis Avenue (APN: 1014-281-09)

RECOMMENDATION

Adopt Planning Commission Resolution No. PC2026-008, approving PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit), based upon the findings and subject to the departmental conditions of approval.

SURROUNDING ZONING AND LAND USE:

	Existing Land Use	*General Plan*	*Zoning District*
Project Site -	Church	Residential, 1 dwelling unit/acre (RD1)	RD 1 (Residential/Agricultural)
North -	Single-family residential	Residential, 1 dwelling unit/acre (RD1)	RD1 (Residential/Agricultural)
East -	Single-family residential	Residential, 1 dwelling unit/acre (RD1)	RD 1 (Residential/Agricultural)
South -	Single-family residential	Residential, 1 dwelling unit/acre (RD1)	RD 1 (Residential/Agricultural)
West -	Vacant	Residential, 1 dwelling unit/acre (RD1)	RD 1 (Residential/Agricultural)

BACKGROUND

The applicant, Sycamore Academy of Science and Cultural Arts (SASCA), is a tuition free transitional kindergarten through 8th grade (TK-8) public charter school operated under the Ronald Reagan Charter School Alliance (RRCSA). The school was founded in 2008 and has been operating since 2020 at Cornerstone Community Church, located at 13000 Pipeline Avenue in the City of Chino, serving approximately 280 students. The 2026 school year will be the final school year at the current location due to the expiration of the school's lease. To maintain continuity of operations, the applicant is proposing a temporary relocation to Christ Lutheran Church and Preschool. To facilitate this relocation, the applicant has applied for a Site Approval (SA) and a Special Conditional Use Permit (SCUP) to allow the temporary operation of the public charter school and to construct modular classrooms at the proposed site.

ISSUES/ANALYSIS

Site Plan

The project site is located at the existing Christ Lutheran Church and Preschool and is accessible from Francis Avenue and Vernon Avenue. The proposed improvements include the placement of five modular classroom buildings along the eastern portion of the site, fronting Vernon Avenue. Each modular building is 1,440 square feet, containing two classrooms, two restrooms and an accessible ramp. The buildings will feature vertical siding on all elevations, painted white, with galvanized steel roofing. Administrative functions will be conducted within the existing church office spaces. In addition, a total of 14 outdoor lunch tables will be provided, accommodating 84 students during lunch periods. An existing playground on the Christ Lutheran Preschool campus will be available for students to use during recess (see Exhibit "A").

Project statistics are as follows:

Item	*Proposed*
Project Area -	0.68 acres
Lot Area -	3.09 acres
No. of Buildings -	5
Building Area -	(5) 1,440 square-foot modular classrooms
Lot Coverage -	14%
Parking (proposed/required)-	61 proposed / 61 required

Landscaping, Walls, and Amenities

New landscaping will be installed throughout the project site, comprised of primarily drought tolerant plants. Landscaping will be concentrated along the project frontage adjacent to Vernon Avenue and Francis Avenue. Paved ADA compliant walkways will be installed to connect the proposed classroom areas to the parking lot, lunch area, and the existing Christ Lutheran grounds. Six-foot high wooden fencing and metal gates will be installed around the modular classroom area to secure the site and contain students within the school area. A detention basin is proposed at the southeastern corner of the property to treat and manage stormwater runoff from the project area.

Special Conditional Use Permit

SASCA is a public charter school system operating two campuses in Southern California, with its first school established in 2009 in the City of Wildomar. SASCA is proposing to temporarily operate a charter school on an existing campus that also includes Christ Lutheran Church and Preschool. The school will serve students in TK through 8th grade, with a maximum attendance of 280 students. School hours are 7:00 a.m. to 4:00 p.m. with an after-school program offered until 6:00 p.m., Monday through Friday, throughout the school year (see Exhibit "B"). The school will employ approximately 40 staff members. Of the 40 staff members, 22 will work Monday through Thursday and 18 will work on Fridays. No weekend activities or organized sports are proposed as part of the school's operation. Christ Lutheran Church and Preschool will continue

to operate on-site within the existing buildings. The preschool currently has 11 students and operates from a separate building, ensuring no operational conflicts with the proposed school use.

Primary access for drop-off and pick-up will be provided from an existing driveway on Francis Avenue, located at the southwestern corner of the property. Vehicles will enter from Francis Avenue and proceed to the north along the internal drive aisle to a designated drop-off and pick-up area located near the northwestern corner of the site. Circulation is designed to be one-way to minimize conflicts between vehicles and students. The on-site queuing area provides approximately 532 feet of stacking length, accommodating up to 21 vehicles, of which 17 vehicles are expected to be needed at peak use. School staff will facilitate operations using a valet-style system, assisting approximately four to five vehicles at a time. At drop-off and pick-up, vehicles will approach the designated area, where staff will assist students in exiting or entering vehicles. Vehicles will then continue forward and exit the site from an existing driveway on Vernon Avenue. It is estimated that approximately 160 vehicles or less will participate in drop-off and pick up. To reduce the potential for congestion, arrival and dismissal times will be staggered. The project applicant prepared a traffic assessment which was reviewed and approved by the City Traffic Engineer. The assessment reviewed the project's daily and peak hour trip generation rates, vehicle queuing for arrival and dismissal, and ingress and egress of the project site. No traffic impacts are anticipated.

The charter school will be conditionally approved to operate for a maximum of 3 years. Upon expiration of this approval, the charter school use shall terminate automatically. No time extensions shall be granted, and applications for an extension will not be considered.

Parking

The total required parking is based on the existing and proposed uses on the project site. The existing Christ Lutheran requires 35 parking spaces, the existing daycare requires six parking spaces, and the proposed school requires 20 parking spaces, resulting in a total of 61 required parking spaces. A total of 61 parking spaces currently exist on the project site, which meets the required 61 parking spaces. In addition. SASCA hours of operation occur 7:00 a.m. to 6 p.m., Monday through Friday, which will not conflict with Christ Lutheran Church's peak parking demand during Sunday church services. Staff finds that there will be no parking conflicts since the provided parking meets the required parking and the school hours of operation are opposite to the church hours of operation.

Land Use Compatibility

Per Section 20.12.020.C.2 of the Zoning Code, a temporary use may be permitted with approval of a SCUP, provided the use is compatible with the applicable zoning district and surrounding land uses. The proposed temporary use is compatible with the RD1 zoning district, as the temporary use is classified as a public school, which is conditionally permitted in the RD1 zoning district. The project site is surrounded by single family homes to the north, east and south, which are generally compatible with the proposed school use, and a vacant parcel to the west. Schools are commonly integrated within residential neighborhoods and serve the local community. The proposed temporary use would allow the school to operate for a period not to exceed three years. No extensions beyond the three-year period are permitted.

Neighborhood Meeting

The applicant hosted a neighborhood meeting on April 29, 2026, at Christ Lutheran Church to present the proposed project, describe operational details, respond to questions and gather

input. City staff attended the meeting. Approximately 25 residents were in attendance. Residents expressed concerns regarding elevated traffic volumes, pickup/drop off related queuing impacts on circulation, and the use of on-street parking within the public right-of-way by parents to accommodate student access and crossing.

Public Noticing

A 10-day notice was mailed to all property owners within a 300-foot radius of the project site. In addition, a notice was published in the Chino Champion on May 9, 2026, and the City sent information out on the City's social media platforms. In response to the public notice, no comments have been received. The notice meets legal noticing requirements.

ENVIRONMENTAL REVIEW

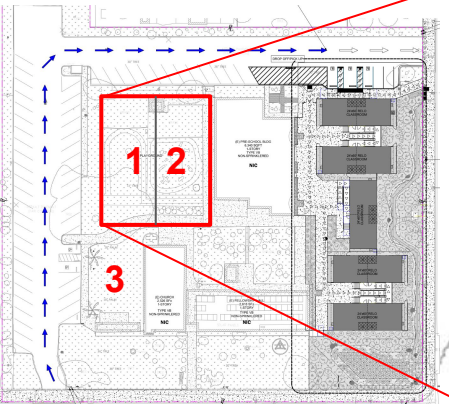
The proposed Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15332, In-Fill Development projects. The exemption applies to infill projects that are consistent with the General Plan and Zoning Requirements; are located on a project site of no more than 5 acres substantially surrounded by urban uses; are located on a site that has no value for habitat for endangered, rare or threatened species; will not result in significant effects relating to traffic, noise, air quality, or water quality; and are located on a site that can be adequately served by utilities and public services. The proposed Project is located on 0.68 acres of a developed 3.09-acre site and fully surrounded by existing development. Furthermore, none of the exceptions to the categorical exemptions set forth in the CEQA Guidelines 15300.2, apply to this project.

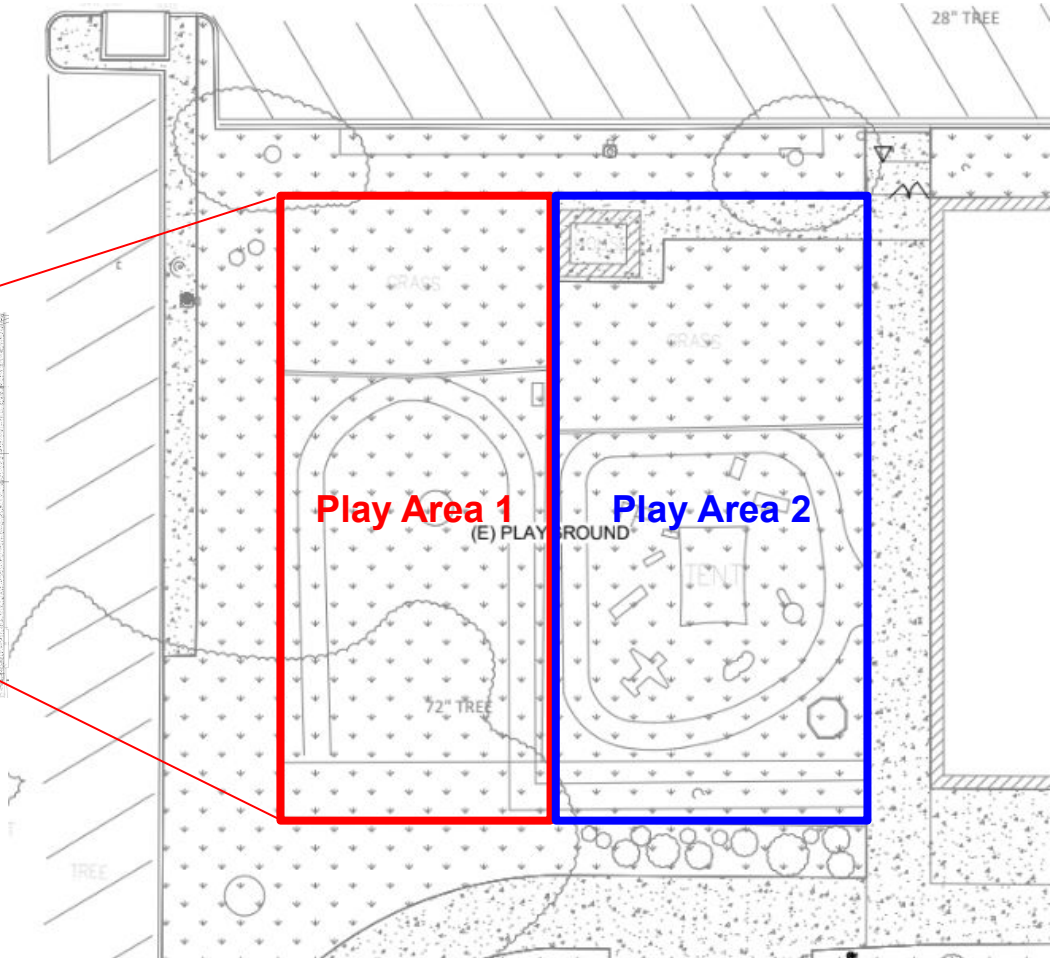
Attachments:

Exhibit "A" – Playground Exhibit

Exhibit "B" – School Operation and Schedule

5500 Francis Ave
Sycamore Academy Play Areas





Sycamore Academy will use all three play areas for its students

Some of the existing equipment in area 1 and 2 might be moved to facilitate the use of the equipment from the SPARK program (see page 6) for the lower grade students.

Upper grade students will use area 3.

Play Area 1

- Red double slide and pole
- “Treehouse” slide and swing set
- Space frame half dome climbing structure
- Mini House
- Picnic tables

View of Play Area 1 from walkway

Play Area 2

- Assortment of toddler-sized equipment
- Shade canopy
- Storage shed

Play Area 2 and adjacent covered walkway

Play Area 3

SPARK Fitness area for upper grade students

The SPARK (Sports, Play, and Active Recreation for Kids) movement in schools is an evidence-based, research-proven program designed to increase physical activity, improve health, and combat childhood obesity through PE, after-school programs, and early childhood education.

It focuses on high-activity curriculum, teacher training, and specialized equipment for grades K-12, fostering both physical and social-emotional development.

Sycamore uses three SPARK programs for grades K-2, 3-5, and 6-8 to better meet the needs of its students. The school will meet state mandated fitness requirements for all of its students.

REVISED MARCH 11, 2026

Subject: Request for Expedited Approval of Sycamore Academy of Science and Cultural Arts Modular Project

Dear City of Chino Officials,

We are writing to request your assistance in expediting the approval process for the Sycamore Academy of Science and Cultural Arts (SASCA- CV) modular project. This project is crucial for the continuation of Sycamores students. Their current landlord has given them notice to relocate with only 60 days to move, and we seek your support to ensure the continued operations and success of the school.

SASCA-CV is a FREE TK-8 public charter school that is part of the Ronald Reagan Charter School Alliance (RRCSA). RRCSA is a 501(c)3 non-profit public benefit corporation that operates two public charter schools.

RRCSA was founded in 2008 when a group of teachers and parents became frustrated with the local public schools in Lake Elsinore, CA. The group successfully petitioned to open the original Sycamore Academy of Science and Cultural Arts (SASCA). SASCA opened its doors to students in 2009 in a shopping center in Wildomar, CA. Today, that school operates from a permanent school site owned by RRCSA and serves more than 500 students. In 2018, parents in Chino contacted our Executive Director as their charter school was being closed and they wanted an option outside of the traditional system. The Executive Director petitioned and was approved by the San Bernardino County Board of Education. SASCA-Chino Valley opened in 2019.

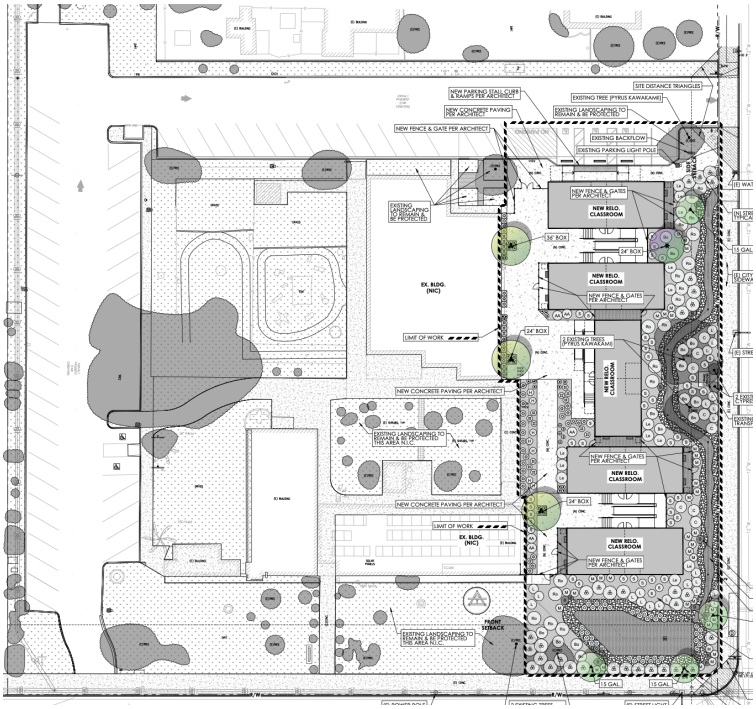
Charter schools in CA are public schools that operate outside of the traditional system. Our charter schools offer a program grounded in constructivist principles of teaching and learning with an emphasis on the arts and sciences. We develop scholars with the knowledge, critical skills, and fundamental dispositions to become self-motivated, competent, lifelong learners. To be fully educated every child must construct and communicate knowledge, display personal and social responsibility, work collaboratively with others, and reflect consistently on his or her growth as a learner.

SASCA-CV currently serves about 280 students in TK – 8th grade. Half of our student population is socio-economically disadvantaged. This year, roughly 20% of our student population receives Special Education Services. Parents from four counties bring their children to our school.

Please refer to the proposed site plan included for review.

Project Overview:

- Project Name: Sycamore Academy of Sciences Cultural Arts - Chino Valley modular project
- Location: Christ Lutheran Church - 5500 Francis Ave, Chino, CA 91710



Project Scope:

- Development of a temporary modular campus of classrooms to accommodate TK-8 students
- Total Students: 280
- Total Staff Count: 40
- The school will not offer a sports program.

Operational Details:

Bell Schedules

- Transitional Kindergarten - Kindergarten
  8:20 am - 2:10 pm Monday through Thursday
  8:20 am - 12:20 pm Every Friday

- 1st Grade-2nd Grade
  8:15 am - 2:20 pm Monday through Thursday
  8:15 am - 12:15 pm Every Friday

- 3rd-4th Grade

8:10 am - 2:30 pm Monday through Thursday
8:10 am - 12:10 pm Every Friday

- 5th-6th Grade
  8:05 am - 2:40 pm Monday through Thursday
  8:05 am - 12:05 pm Every Friday

- 7th - 8th grade
  8:00 am - 2:50 pm Monday through Thursday
  8:00 am - 12:00 pm Every Friday

- School Office Hours: 7:00 am - 4:00 pm

Parking Requirements:

- During school hours (8:00 AM - 4:00 PM): 22 staff Monday through Thursday and 18 staff on Fridays.
- After school program (4:00 PM - 6:00 PM): 1-2 staff members for the after school program operated by Ortega

Traffic Management:

The school will provide signage at the entrance on Francis Ave and cones during drop off and pick up to mark the path of travel for cars. There will also be signage at the drop off point as well as signs to direct cars which way to exit. The school will continually monitor this plan and make adjustments as needed to minimize any traffic to the community and keep all queuing within the site. The staff works hard to facilitate the drop off and pick up process. When parents pull up, staff opens the door, students exit, cars pull off. The school does have a handful of special needs students whose parents will park and walk them in. At pick up, staff can handle 4-5 cars at a time - parents pull up, staff open doors, load students, parents leave making the process very efficient.

Parents do one drop off and one pick up - so when they have multiple children, they drop off at the earliest arrival and pick up after all students are dismissed. The school does not have parents lining up or blocking traffic to wait for their students to be released. They also have after school clubs and tutoring on M-TH and some kids stay in onsite daycare

About 160 cars or less will participate in arrival and dismissal. In addition, 15 students will arrive/depart with faculty or staff.

- Morning Drop-off:
  - 7am-7:30am 35 cars
  - 7:30am - 8:00am 75 cars
  - 8:00am - 8:30am 50 cars
  - All queuing will be on site per the attached site plan.

- Pick-up:
  - 2:10 - 2:20 20 cars
  - 2:20 - 2:30 30 cars
  - 2:30 - 2:40 30 cars
  - 2:40 - 2:50 25 cars

- 2:50 - 3:00 20 cars
- After clubs/tutoring 3:45-4:00 35
- Stay for daycare possibly until 6pm 10
- M-Th - cars are cleared by 3pm regularly
- Fridays are early dismissal:
- 12:00-12:05 20
- 12:05-12:10. 30
- 12:10-12:15. 35
- 12:15-12:20. 35
- 12:20-12:30. 35
- Stay for daycare possibly until 6pm 15
-
- All queuing will be on site per the attached site plan.
- Please note that no students will be allowed to drive to school.

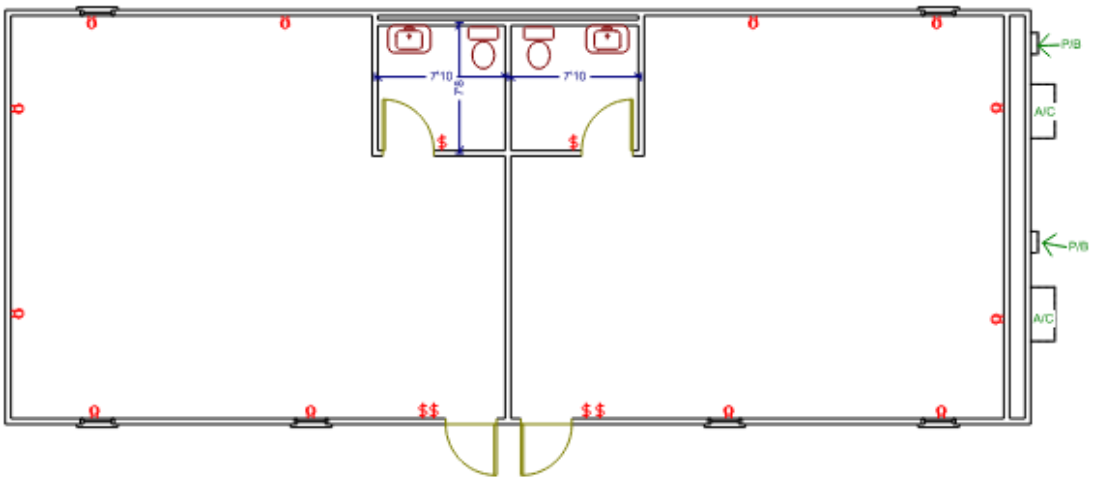
Noise: The school does not use any bells like regular schools nor do they have a PA system outside. The school uses walkie talkies for communication

Lease Agreement:

- The lease agreement has been established between SASCA-CV and Christ Lutheran Church, outlining the terms and conditions for the use of the church property. The term of the lease is two years with two, one-year renewal options. In addition, the CLC will continue operating the daycare center with only 10 children.

Built Components:

- Modular Classrooms: The project includes the installation of modular classrooms designed to provide a conducive learning environment for students. The design of the site plan has considered the accessible pathways to each modular. Concrete walk and infiltration basin will be installed. The buildings will not be sprinklered. Fire Alarm will be provided per local requirements. Below is the typical floor plan of the proposed Modular Classrooms:



- Foundations: Refer to the attached Sample Foundation Details sheet. The intent is to provide foundations that have minimal impact to the City's property and to meet the timeline for school

opening. The wood foundations will be inspected periodically and will be repaired as needed. Actual foundation design will allow for sheet drainage across the lot.

- Temporary Infrastructure: The lease plan will include provisions for temporary hookups for utilities such as water, electricity, and internet to support the modular buildings. Temporary tanks will be provided for water supply and sewage and will be regularly serviced via a local service complying with City of Chino regulations.

- Semi-Permanent Infrastructure: The intent is to add future semi-permanent hookups for utilities such as water, sewer, and electricity to support the modular classrooms after the school is open. We request the support of the City of Chino in determining an acceptable solution.

- Site Access: The plan will ensure safe and efficient access for student drop-off and pick-up, with designated areas for parents to drop off and pick up their children.

- Parking Requirements: The lease plan will include designated parking spaces for staff and visitors, ensuring compliance with city regulations. There are 40 full time staff.

- Fencing: The lease plan will include temporary fencing around the modular classrooms to ensure safety. Accessible pedestrian gates will be provided as shown on the site plan. Pedestrian gates will be unlocked during school hours.

- Fire Access: Refer to the site plan for fire lane access to the modulars, the site will not be enclosed with vehicular gates. The modulars will be able to be accessed via Vernon Ave on the east and a wide walkway on their west edge. Additionally, there are two fire hydrants located on the southern property line along Francis Avenue.

We appreciate your prompt attention to this matter and look forward to your support in continuing the education for Sycamore Academy of Science and Cultural Arts (SASCA- CV) and the Chino Community.

RESOLUTION NO. PC2026-008

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CHINO, CALIFORNIA, APPROVING PL26-0015 (SITE APPROVAL) AND PL26-0016 (SPECIAL CONDITIONAL USE PERMIT) TO ESTABLISH A TEMPORARY PUBLIC CHARTER SCHOOL FOR A PERIOD NOT TO EXCEED THREE (3) YEARS FOR SYCAMORE ACADEMY OF SCIENCE AND CULTURAL ARTS, INCLUDING THE CONSTRUCTION OF FIVE MODULAR CLASSROOOM BUILDINGS, TOTALING 7,200 SQUARE FEET IN THE RD1 (RESIDENTIAL/AGRICULTURAL) ZONING DISTRICT, LOCATED AT 5500 FRANCIS AVENUE (APN: 1014-281-09).

WHEREAS, Sycamore Academy of Science and Cultural Arts – Chino Valley (the "Applicant"), has filed an application with the City of Chino (the "City") for approval of PL26-0015 (SA) and PL26-0016 (SCUP) (the "Project") to establish a temporary public charter school for a period not to exceed three (3) years for Sycamore Academy of Science and Cultural Arts (SASCA), including the construction of five modular classroom buildings, totaling 7,200 square feet in the RD1 (Residential/Agricultural) zoning district, located at 5500 Francis Avenue (APN 1014-281-09); and

WHEREAS, the Planning Commission of the City of Chino has completed its study of the proposed Project; and

WHEREAS**,** on May 20, 2026, the Planning Commission held a duly noticed public hearing for the Project in compliance with law, including compliance with the relevant provisions of the California Government Code and Chino Municipal Code, entertained the written and oral report of staff, and took public testimony on the Project, and

NOW, THEREFORE, the Planning Commission of the City of Chino, California, does hereby FIND, DETERMINE, and RESOLVE as follows:

A. The foregoing recitals are true and correct and incorporated herein.

B. Based on substantial evidence, both written and oral, from the public hearing, the Planning Commission makes the following findings and takes the following actions on PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit):

1. PL26-0015 *(Site Approval)*

    a. The proposed Project is consistent with the goals and policies of the City's adopted General Plan and/or specific plan(s), as the project site is designated as Residential/Agricultural (RD1). Policy LCC-1.1 of the Land Use and Community Character Element of the General Plan encourages a balanced mix of educational uses in the City to support a complete community. The proposed temporary charter school is consistent with this

policy by providing educational services to local residents and meeting the educational needs of the surrounding community. The Project will contribute to the local economy by bringing administrative and professional teaching jobs to the City. This development encourages economic development that will support and enhance vibrant commercial areas and serve existing neighborhoods. Constructing a charter school at this location will serve residents within the City as well as support the existing commercial areas within the vicinity of the project site. The Project's limited duration ensures that it will not result in long-term land use impacts while continuing to support the General Plan's goals Establishing a charter school at this location will serve residents within the City as well as support the existing commercial areas within the vicinity of the project site;

b. The proposed Project is permitted within the zoning district in which it is proposed and complies with all applicable provisions of the City's Zoning Code. The proposed Project is conditionally permitted within the RD1 zoning district subject to approval of a Site Approval (SA) and Special Conditional Use Permit (SCUP) and complies with all applicable provisions of the City's Zoning Code. The Project, including the modular classrooms, landscaping, and parking, have been designed in conformance with applicable development standards. Additionally, the temporary nature of the use, limited to period not to exceed three years, ensures that the Project will not result in long-term land use incompatibility;

c. The subject site is physically suitable, including, but not limited to, parcel size, shape, access and availability of utilities, for the type and intensity of development proposed, as all minimum zoning requirements governing parcel size, shape, access, type and intensity of development have been met or exceeded. The site is adequate to accommodate the proposed temporary charter school, including modular classrooms, circulation, and associated improvements. The Project is located within an area designated for residential use, where a charter school may be conditionally permitted charter school, and the proposed modular classrooms are appropriate and consistent with the operational needs of the school;

d. The subject site relates to streets and highways property designed, both as to width and type of pavement to carry the type and quantity of traffic generated by the proposed Project, in that Francis Avenue is designed as a secondary arterial street and Vernon Avenue as an urban residential collector, both designed to carry the amount of expected traffic generated by the Project;

e. The proposed Project is compatible with those on abutting properties and in the surrounding neighborhood, as the project site is currently developed within the Christ Lutheran Church and Preschool. The physical design of the modular classrooms will be compatible with the residential setting with

the appropriate setbacks and landscaping buffers to reduce visual and noise impacts. The modular buildings are temporary and will be removed after a period of three years. In addition, schools are commonly integrated within residential neighborhoods and serve the local community. Also, conditions of approval have been placed on the Project that regulates the Project in a manner that will ensure compatibility with adjacent uses;

f. The proposed location, size, and operating characteristics of the proposed Project will not be detrimental to the public interest, health, safety or general welfare, as the Project is consistent with the RD1 zoning district and has been designed to meet all minimum City requirements. In addition, certain safeguards have been required of the proposed Project which the Planning Commission deems necessary to protect the public health, safety, and general welfare. These safeguards (conditions of approval) are attached to this resolution, and are described herein;

g. The proposed Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15332, In-Fill Development projects. The exemption applies to infill projects that are consistent with the General Plan and Zoning Requirements; are located on a project site of no more than 5 acres substantially surrounded by urban uses; are located on a site that has no value for habitat for endangered, rare or threatened species; will not result in significant effects relating to traffic, noise, air quality, or water quality; and are located on a site that can be adequately served by utilities and public services. The proposed Project is located on 0.68 acres of a developed 3.09-acre site and fully surrounded by existing development. Furthermore, none of the exceptions to the categorical exemptions set forth in the CEQA Guidelines 15300.2, apply to this project; and

h. The minimum safeguards necessary to protect the public health, safety and general welfare have been required of the proposed Project and have been imposed as conditions of project approval by the Chino Planning Commission. Further, the Project meets all required development standards pertaining to the RD1 zoning district.

2. *PL26-0016 (Special Conditional Use Permit)*

a. The proposed use is consistent with the goals and policies of the City's adopted General Plan, as the proposed use is for a temporary charter school for TK to 8th grade, which is conditionally permitted in the zoning district. Policy LCC-1.1 of the Land Use and Community Character Element of the General Plan encourages a balanced mix of educational uses in the City to support a complete community. The proposed development will bring forth a mix of administrative and professional teaching jobs to the City. This development encourages economic development that will support and

enhance vibrant commercial areas and serve existing neighborhoods. The temporary nature of the use allows for the interim use of the site without precluding or constraining long term development that is consistent with the General Plan land use designation. The operation of a public charter school at this location will serve residents within the City as well as support the existing commercial areas within the vicinity of the project site;

b. The subject site is physically suitable, including but not limited to, parcel size, shape, access and availability of utilities, for the type and intensity of use proposed, as all minimum zoning requirements governing parcel size, shape, access, type and intensity of development have been met or exceeded. The site is adequate to accommodate the proposed temporary charter school, including modular classrooms, circulation, and associated improvements. The proposed use is located within an area designated for residential use, in which a charter school is conditionally permitted within the RD1 zoning district;

c. The subject site relates to streets and highways properly designed, both as to width and type of pavement to carry the type and quantity of traffic generated by the proposed use, in that Francis Avenue and Vernon Avenue as an urban residential collector, both designed to carry the amount of expected traffic generated by the use;

d. The proposed use is compatible with those on abutting properties and in the surrounding neighborhood, as the proposed use is located on a site that is currently developed with a church and preschool. Specific mitigation measures will be implemented to reduce impacts on the surrounding neighborhood. These include structured drop-off and pick-up procedures, traffic management planning, and on-site supervision to ensure student safety and orderly conduct. In addition, schools are commonly integrated within residential neighborhoods and serve the local community. The public charter school is temporary and will cease operations after a period of three years. Also, conditions of approval have been placed on the Project that regulates the Project in a manner that will ensure compatibility with adjacent uses;

e. The proposed location, size, and operating characteristics of the proposed use will not be detrimental to the public interest, health, safety or general welfare as the temporary school use will be conditionally permitted in the RD1 zoning district and has been designed and located to meet all minimum City requirements. In addition, certain safeguards have been required of the proposed use, which the Planning Commission deems necessary to protect the public health, safety, and general welfare. These safeguards (conditions of approval) are attached to this resolution, and are described herein;

f. The proposed Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15332, In-Fill Development projects. The exemption applies to infill projects that are consistent with the General Plan and Zoning Requirements; are located on a project site of no more than 5 acres substantially surrounded by urban uses; are located on a site that has no value for habitat for endangered, rare or threatened species; will not result in significant effects relating to traffic, noise, air quality, or water quality; and are located on a site that can be adequately served by utilities and public services. The proposed Project is located on 0.68 acres of a developed 3.09-acre site and fully surrounded by existing development. Furthermore, none of the exceptions to the categorical exemptions set forth in the CEQA Guidelines 15300.2, apply to this project; and

g. The minimum safeguards necessary to protect the public health, safety and general welfare have been required of the proposed use and have been imposed as conditions of project approval by the Chino Planning Commission. Further, the Project meets all required policies pertaining to RD1 zoning district.

3. *CEQA Findings.* The proposed Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15332, In-Fill Development projects. The exemption applies to infill projects that are consistent with the General Plan and Zoning Requirements; are located on a project site of no more than 5 acres substantially surrounded by urban uses; are located on a site that has no value for habitat for endangered, rare or threatened species; will not result in significant effects relating to traffic, noise, air quality, or water quality; and are located on a site that can be adequately served by utilities and public services. The proposed Project is located on 0.68 acres of a developed 3.09-acre site and fully surrounded by existing development.

4. *Approval of PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit).* The Planning Commission hereby approves PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit) subject to the Conditions of Approval attached hereto as Exhibit “A”. Applicant, including its successors and assigns, shall be responsible for implementing and complying with all conditions set forth in Exhibit “A”.

5. *Actions by the Planning Commission Secretary.* The Planning Commission Secretary is hereby directed to attest to the adoption of this Resolution as of the date set forth below and forthwith transmit a copy of this Resolution, by regular mail, to the Applicant at the address of record set forth in the Application.

PASSED, APPROVED, and ADOPTED THIS 20th day of May 2026.

_____
PLANNING COMMISSION CHAIRPERSON

ATTEST:

_____
SECRETARY, PLANNING COMMISSION

State of California)
County of San Bernardino) §
City of Chino)

I hereby certify the foregoing Resolution was duly adopted by the Chino Planning Commission at a meeting held on the 20th day of May 2026 and entered in the minutes of said Commission.

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

_____
SECRETARY, PLANNING COMMISSION

Attachments:
Exhibit “A” – Conditions of Approval

EXHIBIT A

DEPARTMENTAL
CONDITIONS OF APPROVAL

DATE: May 20, 2026

PROJECT FILE NO.: PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit)

LOCATION: 5500 Francis Avenue (APN: 1014-281-09)

APPLICANT: Sycamore Academy of Science and Cultural Arts – Chino Valley

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The departments listed below have reviewed the above referenced application. Those departments marked with an "X" have required conditions of approval to be imposed on the project.

Development Services Department –
- [X] Planning Division
- [ ] ADA Accessibility Division

Public Works Department –
- [X] Engineering Division
- [ ] Traffic Division

[X] Chino Valley Independent Fire District

[ ] Police Department

[ ] Finance Department

[ ] Community Services, Parks & Recreation Department

DEVELOPMENT SERVICES DEPARTMENT
PLANNING DIVISION CONDITIONS OF APPROVAL

DATE: May 20, 2026

PROJECT FILE NO.: PL26-0015 (Site Approval) and PL26-0016 (Special Conditional Use Permit)

LOCATION: 5500 Francis Avenue (APN: 1014-281-09)

APPLICANT: Antonio Gonzalez, for Sycamore Academy of Science Cultural Arts

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1.0 TIME LIMITS:

1.1. Special Conditional Use Permit approval shall expire on May 20, 2027, if the approved use has not commenced and/or if building permits are not obtained. The expiration date may be extended upon written request by the applicant on a City application form. The request must be received by the Director of Development Services at least 30 days prior to expiration of the application.

1.2. Should the use the special conditional use cease to exist for 180 or more consecutive days, this permit shall be deemed null and void.

1.3. Temporary Use/Building Time Limits:

1.3.1. The temporary use and buildings are approved for a maximum of **three** years from the date of this approval. Upon, or prior to, the expiration of the temporary use/building approval, the temporary use/building, and all appurtenances thereto, shall be removed from the affected property and the property shall be returned to its original condition. Additionally, no additional time can be requested.

1.3.2. Should a similar use be requested to be established at this location after the temporary use expires, permanent on and off-site improvements will be required to be constructed and installed.

2.0 GENERAL REQUIREMENTS:

2.1. Failure to comply with any conditions of approval shall be deemed just cause for revocation of project approval by the Planning Commission.

2.2. The project shall proceed only in accordance with approved plans on file with the Development Services Department, the conditions contained herein and the Chino Municipal Code.

2.3. Approval of this request shall not waive compliance with all sections of the Chino Municipal Code, all other applicable City ordinances, and applicable specific plans.

2.4. Pursuant to Government Code Section 66020, the applicant is informed that the 90-day period in which the applicant may protest the fees, dedications, reservation or other exaction imposed on this project through the conditions of approval has begun.

2.5. In the event that any condition contained herein is determined to be invalid or legally unenforceable, then all remaining conditions shall remain in force.

2.6. In the event that any condition imposing a fee, exaction, dedication, or other mitigation measure is challenged by the project sponsors and/or other parties in an action filed in a court of law, which action is brought within the time period provided for by law, this approval shall be suspended pending dismissal of such action, the expiration of the limitation period applicable to such action, or final resolution of such action. If any condition is invalidated by a court of law, the applicable section of the entire project shall be reviewed by the City and substitute conditions may be imposed.

2.7. The applicant shall indemnify the City and its elected boards, commissions, officers, agents and employees and will hold and save them and each of them harmless from any and all actions, claims, liabilities, losses, damages, penalties, obligations and expenses, including but not limited to attorneys' fees and costs, (collectively "claims") against the City for any such claims and shall be responsible for any judgment arising therefrom. The City shall provide the applicant with notice of the pendency of such action and shall request that the applicant defend such action. The applicant may utilize the City Attorney's office or use legal counsel of its choosing, but shall reimburse the City for any necessary legal cost incurred by City, including for the City's required participation in defense of the claims. The applicant shall provide a deposit in the amount of 100% of the City's estimate, in its sole and absolute discretion, of the cost of litigation, including the cost of any award of attorney's fees, and shall make additional deposits as requested by City to keep the deposit at such level. If the applicant fails to provide or maintain the deposit, the City may

abandon the action and the applicant shall pay all costs resulting therefrom and City shall have no liability to the applicant.

2.8. The City of Chino has an exclusive contract with Waste Management for all solid waste collection and hauling services within the City. The applicant shall be responsible for making arrangements with Waste Management for disposal of any/all construction debris or trash generated as a result of this permit. Waste Management can be reached at 1-800 423-9986.

2.9. Pursuant to Public Resources Code Section 21089 and Fish and Wildlife Code Section 711.4, the developer shall provide those fees marked [X] below in the form of a check made payable to the ***San Bernardino County Clerk of the Board of Supervisors*** **within 5 days of Planning Commission approval. Project approval shall not be complete until the required fee(s) is (are) paid:**

[X] $50 for the Notice of Exemption filing fee.

3.0 PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR GRADING PERMIT:

3.1. Revised plans, incorporating all conditions of approval, shall be submitted for review and approval by the Director of Development Services.

3.2. All plans shall be coordinated for consistency.

3.3. Prior to the issuance of any grading permit, detailed on-site landscaping and irrigation construction drawings along with a copy of the Planning Commission approved conceptual landscape plans and a copy of the conditions of approval shall be submitted for review and approval by the Director of Development Services. A grading permit will not be issued until the City's outside plan checker has completed one review of detailed landscape and irrigation plans for the development. Payment of the Landscape & Irrigation Plan Review Fee shall be due at the time of submittal. Plans shall be prepared to comply with the City's Water Efficient Landscape Ordinance, adopted on October 6, 2015, Ordinance No. 2015-008, meet the requirements for a Landscape Documentation Package in accordance with Section 20.19.030 of the Landscape Ordinance, and shall bear the seal of a landscape architect registered with the state of California. If the site includes areas proposed to be placed within a City-maintained Landscape Maintenance District, then the plans shall be prepared on City of Chino, Engineering Division base sheets, and shall bear the seal of a landscape architect registered with the state of

California. Original mylars shall be submitted to the City upon approval of plans by the City Engineer.

3.4. The developer shall pay development impact fees at the established rate. Such fees may include, but not be limited to, new construction fee, park or open space fees, school fees, drainage fees, sewer fees, building permit and plan check fees.

3.5. A construction management plan shall be submitted for review and approval by the Director of Development Services. The plan shall coordinate and address construction activities that may impact residents and/or surrounding businesses on site and in adjacent areas. Elements of the plan would contain, but not be limited to, the following:

a. Routing of construction equipment
b. Hours of operation
c. Dust control
d. Vector control
e. Vehicle, equipment, and personnel staging
f. Pre-construction meetings
g. Contractor/subcontractor acknowledgement, obligations, and penalties
h. Traffic control and coordination
i. Security and interim fencing
j. Signs posted on the site with a contact number for the job site construction manager and the City's Code Enforcement Division. Signs shall measure at least four feet by eight feet and shall be posted along every street frontage. The developer shall contact the City immediately upon any change in contact numbers.

3.6. A precise wall plan indicating the design, location and construction details of all walls and fences shall be submitted for review and approval by the Planning and Building Divisions. All perimeter and street-facing walls, including retaining walls, shall be decorative in nature.

3.7. Prior to the issuance of a building permit, the approved grading plans shall be attached to the construction plan set. The project shall be built according to the plans approved by the Planning Commission on May 20, 2026, as prepared by Tait and Associates, Inc. Any substantial modification to the project shall require Planning Commission review and approval. If minor in nature, the modification may be reviewed and approved by the Development Services Director.

3.8. Approval of the conceptual landscape plan by the Planning Commission does not constitute final approval. The final landscape approval (during the plan check process and/or following installation) shall be subject to the review and approval of the City's Landscape Architect Consultant and the Director of Development Services. The City Landscape Architect or Director of Development Services may require additional/fewer trees, shrubs, vines, and ground cover as necessary, based on final site conditions during the landscape plan check process or field review process in order to mitigate any site conditions that were not apparent during either the Planning Commission review or plan check review process.

3.9. All ground-mounted utilities, including by not limited to cable television facilities, and telephone/fiber optic facilities, shall be undergrounded. Equipment that is not placed underground such as SCE transformers, backflow prevention devices, irrigation valves and controllers used for common landscape areas shall be placed in areas out of public view and sufficiently screened. The location and method of screening shall be reflected in a plan and shall be subject to the review and approval by the Director of Development Services.

3.10. All electrical panels and cabinets shall be completely screened. All electrical panels and cabinets shall be fully enclosed and integrated into and architecturally compatible with the building to the satisfaction of the Director of Development Services. The locations of the electrical panels and cabinets shall be reflected on a site plan and elevation(s) to be reviewed and approved by the Director of Development Services.

3.11. A detailed on-site exterior lighting plan shall be submitted and approved by the Director of Development Services. Plans shall be designed pursuant to Chino Municipal Code Section 20.10.090 (Outdoor Lighting) and shall identify fixture design, illumination (photometric), location, height and method of shielding, so as not to adversely affect adjacent properties.

3.12. Upon submittal of construction drawings to the Building Division for plan check review, all departmental conditions of approval for the project shall be included on the sheet following the title sheet, or the first sheet of the plans. A site plan shall also be attached to all sets of construction drawings. The condition shall be a minimum requirement for acceptance of construction drawings for the Building plan check review.

3.13. The applicant is required to contact the West Valley Mosquito and Vector Control District to determine if an inspection or field survey of potential vectors and their ectoparasites is necessary. If the District so determines, an inspection or field survey shall be conducted by the District, at the

applicant's expense, prior to demolition or grading in order to protect the health of and reduce the risk of neighboring residents to vector-borne diseases. Based on the inspection or survey results, the applicant shall take appropriate vector control methods as recommended by the District.

3.14. A Water Quality Management Plan shall be prepared in accordance with County of San Bernardino requirements and submitted and approved by the City.

4.0 PRIOR TO START OF CONSTRUCTION

4.1. A pre-construction meeting, scheduled with the Building Division, shall be held with all applicable City staff members, developer, contractor, superintendent, and all applicable subcontractors.

4.2. Detailed landscape and irrigation plans for the development shall be approved by the Director of Development Services.

4.3. The approved construction management plan shall be distributed to all contractors and subcontractors and shall be maintained on-site through the duration of construction.

5.0 PRIOR TO THE ISSUANCE OF A CERIFICATE OF OCCUPANCY:

5.1. All conditions of approval shall be completed to the satisfaction of the Director of Development Services.

5.2. The fee for review of the landscaping and irrigation plans by both the City and the City's landscape architect shall be paid by the developer.

5.3. All landscaping and irrigation shall be installed in accordance with the plans on file with the Development Services Department, and irrigation systems fully operational. In addition, all hardscaped and landscaped areas shall be free of trash and debris.

5.4. A licensed landscape architect or contractor, or other licensed certified professional in a related field shall conduct a final field inspection and shall prepare a certificate of completion, which shall be filed with the Director of Development Services. The certificate of completion shall be prepared in accordance with Section 20.19.030.J of the Landscape Ordinance, and shall specifically indicate that plants were installed as specified by the landscape design plan, that the irrigation system was installed as specified by the irrigation design plan, and that an irrigation audit has been performed. All landscape and irrigation audits shall be conducted by a

landscape irrigation auditor. Landscape audits shall not be conducted by the person who designed the landscape or installed the landscape.

5.5. A landscape maintenance program for the entire 3.09-acre project site shall be reviewed and approved by the Director of Development Services. The maintenance program shall include general landscape maintenance provisions for pruning, trimming, the replacement of any dead, decayed, or diseased vegetation, ongoing weed abatement, and replacement/repair of the irrigation system, when necessary. The landscape maintenance program shall be included with the contract with the landscape maintenance company to ensure they implement the maintenance program. In addition, the maintenance program should include provisions for periodic inspections to ensure the irrigation system is working properly, and all landscaping is being properly maintained.

5.6. To minimize damage to paved areas due to tree root growth, trees located within five (5) feet of any paved surface area shall be provided with root barriers unless it can be demonstrated, to the satisfaction of the Planning Division, that the root growth characteristics of the type of tree proposed does not warrant their installation.

5.7. Prior to issuance of a certificate of occupancy for the final unit, any temporary construction office buildings/trailers shall be removed from the site.

5.8. The project site shall be clean and free of trash and construction debris, and all construction equipment shall be removed from the site.

6.0 OTHER REQUIREMENTS

6.1. The applicant shall disclose to all potential tenants or owners of units or buildings that the businesses/uses must be consistent with the standards of the land use designation/zoning district in which the project site is located.

6.2. The project site shall be cleared of all trash, debris, weeds, and other discarded items. The Director of Development Services may approve an extension of time to complete demolition, based on evidence that the applicant has exercised reasonable progress.

6.3. A coating that will facilitate the removal of graffiti shall be applied over the complete height of one side/both sides of walls and/or fences, and to a height of eight feet on building walls. If a coating is not provided, the owner of the property shall paint the buildings and/or walls to remove graffiti within 72 hours of notice.

6.4. A preconstruction survey (four surveys in four days) shall be conducted no more than 30 days prior to ground disturbance including clearing, grubbing or grading of the site to ensure that no burrowing owls are occupying the project area.

6.5. Climate Action Plan:

6.5.1. Per Section 15.45.070 of the Chino Municipal Code, demonstrate consistency with the Chino Climate Action Plan by implementing one of the following three options:

a) Exceed the mandatory California Energy Code Title 24, Part 6 standards in effect at the time of application submittal by 5%; or
b) Achieve an equivalent reduction through voluntary measures in the California Green Building Standards Code, Title 24, Part 11 (CALGreen) in effect at the time of application submittal; or
c) Provide other equivalent greenhouse gas (GHG) reductions through measures including but not limited to, non-vehicle transportation infrastructure, transit, ZEV (zero emission vehicle) infrastructure or other incentives, waste diversion, water conservation, tree planting, renewable energy option packages, or any combination of these or other measures such that GHG emissions are reduced by 0.74 MT CO2e per residential dwelling unit per year and/or per TSF of commercial/industrial use per year.

Applicants that choose Option a described above will be required to verify that their project meets the 5% improvement above the mandatory standards through the appropriate certificate of compliance form for residential construction (CF-1R) or for commercial/industrial construction (PERF-1C). Applicants that choose Options b or c described above will be required to utilize the GHG Performance Standard Checklist developed by the City, or provide other valid documentation, such as CalEEMod or other methodologies, as verified by the Director of Development Services to demonstrate the required GHG reductions consistent with the City's CAP

7.0 CONSTRUCTION SITE SECURITY

7.1. Each site shall be completely encircled by a minimum 6' tall security-quality chain link fence once precise grading has been completed or as determined by the Deputy Director of Development Services.

7.2. Tennis court or similar screening material shall be securely attached for the length of the fence, excluding gates and 10' on either side of gates.

7.3. Each site shall have only one entry/exit gate, or as approved by the Planning Division.

7.4. Gate hinge pins shall be spot-welded or altered in such a way as to prevent easy removal.

7.5. Each gate shall have a casehardened lock and chain, or other equivalent security hardware.

7.6. “No Trespassing” signs shall be attached to the exterior of the fence at a minimum distance of a third of a mile and at all entrances.

7.7. On or near the exterior of each gate will be a sign with the address of the site in no less than 6" letters. Both the number and street name will be listed on the sign. The address posted will be used for the entire site until the fence is removed and individual addresses assigned.

7.8. Office trailers and tool bins shall be placed adjacent to gates inside the property to allow observation from outside.

7.9. Lighting on trailers and bins is desirable but shall be directed into the property so as not to impede outside observation or endanger nearby traffic with glare.

7.10. Tool bins shall be secured with casehardened locks, preferably with lock guards.

7.11. A sign stating that theft is not acceptable on the site and will be reported to the police, or wording to that effect, will be displayed prominently near each entrance.

7.12. Each site will have an assigned Crime Prevention Manager who is responsible for the following:

a. Providing his/her name and 24-hour telephone access number to the Chino Police Department.
b. Have available at all times the names and 24-hour contact numbers for all subcontractors.
c. Have the authority to speak for the development/owners on matters concerning trespassing and other criminal matters.
d. Complete routine fence inspections and arrange for prompt repairs

or removal of any damage, graffiti, or loose screening.

e. Ensure that no work or maintenance of construction equipment is being performed on the site between 8 PM and 7 AM.

f. Ensure that all above security requirements are complied with, and that all security hardware, fencing, and lighting are maintained in working order.

g. Ensure that thefts are immediately reported to the police department and that reasonable steps are taken, if evident, to prevent future similar incidents.

8.0 THE APPROVED USE SHALL BE OPERATED IN ACCORDANCE WITH THE FOLLOWING:

8.1. All operations shall not create a nuisance due to noise, odor, dust, mud, smoke, steam, vibration or other similar causes.

8.2. The operation or activity shall not cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution that can cause damage to human health, vegetation, or other forms of air pollution that can cause excessive soiling on any other parcel. No emission shall be permitted which exceeds the requirements of the South Coast Air Quality Management District or the requirements of any Air Quality Plan adopted by the City of Chino.

8.3. The operation or activity shall not emit odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable with or without the aid of instruments at or beyond the project site boundary.

8.4. The operation shall not discharge, at any point, into any public or private street, public sewer, storm drain, private stream, body of water, or into the ground, any material which can contaminate any water supply, interfere with bacteriological processes in sewer treatment, or otherwise cause the emission of dangerous or offensive elements, except in accordance with the standards approved by the California Department of Public Health, or any other federal, state or local government agency.

8.5. No operation or activity shall emit heat or cold that would cause a temperature increase or decrease on any adjacent parcel in excess of 10^0F (5.56^0C).

8.6. No operation or activity shall cause any impermissible source of electronic disturbance that adversely affects persons or the operation of any equipment on any other parcel that is not in conformance with the

regulations of the Federal Communications Commission (FCC). Impermissible interference for the purposes of this document shall mean any interference that violates the rules and regulations of the FCC and/or the Communications Act of 1934, as amended.

8.7. No operation or activity shall be permitted to cause a steady state, earth-borne oscillation which is continuous and occurring more frequently than 100 times per minute beyond the project site. Ground vibration caused by moving vehicles, trains, aircraft, or temporary construction or demolition is exempted from this requirement.

8.8. Noise emanating from the project site, and which is received by adjacent land uses, shall not exceed the levels specified below, except that loudspeakers, bells, gongs, buzzers or other noise attention or attracting devices shall not exceed a maximum daytime dBA level of 60 and nighttime dBA of 40, measured anywhere beyond the boundaries of the property within which the noise is created.

Maximum Time of Exposure	Noise Metric	Noise Level Not To Be Exceeded	
		7 a.m. to 10 p.m.	10 p.m. to 7 a.m.
30 Minutes/Hour	L50	55 dBA	50 dBA
15 Minutes/Hour	L25	60 dBA	55 dBA
5 Minutes/Hour	L8.3	65 dBA	60 dBA
One Minute/Hour	L1.7	70 dBA	65 dBA
Any Period of Time	Lmax	75 dBA	70 dBA

8.9. Should it be determined by the City that noise measurements or a noise analysis of the use is needed, the applicant and its successor(s) shall bear all costs for said measurements and/or study and if necessary shall provide necessary soundproofing to mitigate the noise created on site, if noise and/or vibrations exceed what is permitted under the Chino Municipal Code or create a nuisance to surrounding uses. Said soundproofing shall be installed to the satisfaction of the Director of Development Services.

8.10. Public School:

8.10.1. The SCUP is approved for a public school, operating in general accordance with Attachment “A”. The proposed use has the flexibility to modify the time and date of activities, provided it does not: 1) increase the overall hours of operations of the

facility; 2) increase the intensity of the project as it relates to traffic and parking; or 3) create a negative impact on surrounding uses, as determined by the Director of Development Services. The Director of Development Services shall have the authority to approve minor modifications to the proposed use, other than those outlined in Exhibit A. If at any point the school proposes to change its operation (i.e., hours, types of uses, etc.), the applicant shall submit a request to the Director. At such time, the Director shall review the request and determine if the change in operation meets the intent of the SCUP or creates any potential new impacts. If necessary, the Director may refer the proposal back to the Planning Commission for final determination.

8.10.2. The temporary use is approved for a maximum of three years from the date of this approval, with no additional time permitted.

Attachment:

Attachment “A” – School Operation and Schedule

REVISED MARCH 11, 2026

Subject: Request for Expedited Approval of Sycamore Academy of Science and Cultural Arts Modular Project

Dear City of Chino Officials,

We are writing to request your assistance in expediting the approval process for the Sycamore Academy of Science and Cultural Arts (SASCA- CV) modular project. This project is crucial for the continuation of Sycamores students. Their current landlord has given them notice to relocate with only 60 days to move, and we seek your support to ensure the continued operations and success of the school.

SASCA-CV is a FREE TK-8 public charter school that is part of the Ronald Reagan Charter School Alliance (RRCSA). RRCSA is a 501(c)3 non-profit public benefit corporation that operates two public charter schools.

RRCSA was founded in 2008 when a group of teachers and parents became frustrated with the local public schools in Lake Elsinore, CA. The group successfully petitioned to open the original Sycamore Academy of Science and Cultural Arts (SASCA). SASCA opened its doors to students in 2009 in a shopping center in Wildomar, CA. Today, that school operates from a permanent school site owned by RRCSA and serves more than 500 students. In 2018, parents in Chino contacted our Executive Director as their charter school was being closed and they wanted an option outside of the traditional system. The Executive Director petitioned and was approved by the San Bernardino County Board of Education. SASCA-Chino Valley opened in 2019.

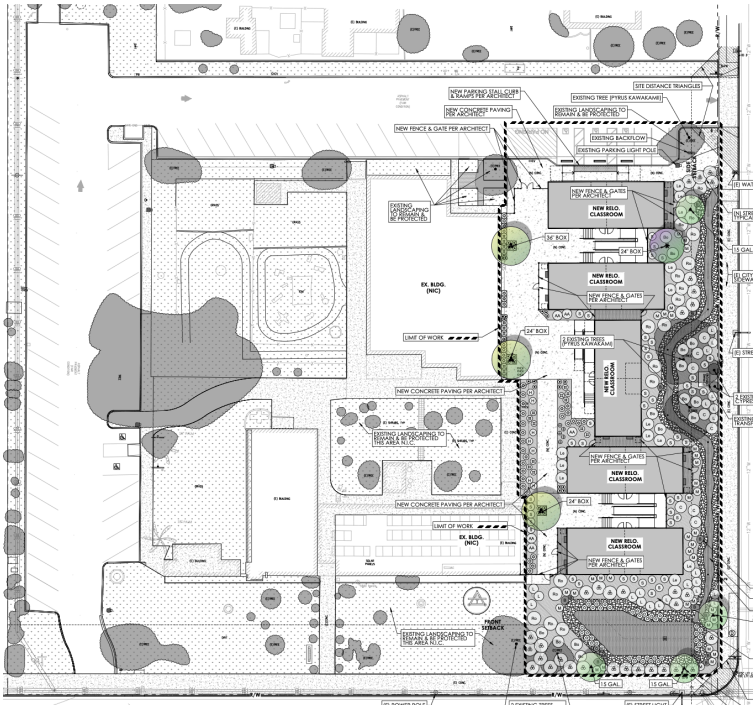
Charter schools in CA are public schools that operate outside of the traditional system. Our charter schools offer a program grounded in constructivist principles of teaching and learning with an emphasis on the arts and sciences. We develop scholars with the knowledge, critical skills, and fundamental dispositions to become self-motivated, competent, lifelong learners. To be fully educated every child must construct and communicate knowledge, display personal and social responsibility, work collaboratively with others, and reflect consistently on his or her growth as a learner.

SASCA-CV currently serves about 280 students in TK – 8th grade. Half of our student population is socio-economically disadvantaged. This year, roughly 20% of our student population receives Special Education Services. Parents from four counties bring their children to our school.

Please refer to the proposed site plan included for review.

Project Overview:

- Project Name: Sycamore Academy of Sciences Cultural Arts - Chino Valley modular project
- Location: Christ Lutheran Church - 5500 Francis Ave, Chino, CA 91710



Project Scope:

- Development of a temporary modular campus of classrooms to accommodate TK-8 students
- Total Students: 280
- Total Staff Count: 40
- The school will not offer a sports program.

Operational Details:

Bell Schedules

- Transitional Kindergarten - Kindergarten
  8:20 am - 2:10 pm Monday through Thursday
  8:20 am - 12:20 pm Every Friday

- 1st Grade-2nd Grade
  8:15 am - 2:20 pm Monday through Thursday
  8:15 am - 12:15 pm Every Friday

- 3rd-4th Grade

8:10 am - 2:30 pm Monday through Thursday
8:10 am - 12:10 pm Every Friday

- 5th-6th Grade
  8:05 am - 2:40 pm Monday through Thursday
  8:05 am - 12:05 pm Every Friday

- 7th - 8th grade
  8:00 am - 2:50 pm Monday through Thursday
  8:00 am - 12:00 pm Every Friday

- School Office Hours: 7:00 am - 4:00 pm

Parking Requirements:

- During school hours (8:00 AM - 4:00 PM): 22 staff Monday through Thursday and 18 staff on Fridays.
- After school program (4:00 PM - 6:00 PM): 1-2 staff members for the after school program operated by Ortega

Traffic Management:

The school will provide signage at the entrance on Francis Ave and cones during drop off and pick up to mark the path of travel for cars. There will also be signage at the drop off point as well as signs to direct cars which way to exit. The school will continually monitor this plan and make adjustments as needed to minimize any traffic to the community and keep all queuing within the site. The staff works hard to facilitate the drop off and pick up process. When parents pull up, staff opens the door, students exit, cars pull off. The school does have a handful of special needs students whose parents will park and walk them in. At pick up, staff can handle 4-5 cars at a time - parents pull up, staff open doors, load students, parents leave making the process very efficient.

Parents do one drop off and one pick up - so when they have multiple children, they drop off at the earliest arrival and pick up after all students are dismissed. The school does not have parents lining up or blocking traffic to wait for their students to be released. They also have after school clubs and tutoring on M-TH and some kids stay in onsite daycare

About 160 cars or less will participate in arrival and dismissal. In addition, 15 students will arrive/depart with faculty or staff.

- Morning Drop-off:
  - 7am-7:30am 35 cars
  - 7:30am - 8:00am 75 cars
  - 8:00am - 8:30am 50 cars
  - All queuing will be on site per the attached site plan.

- Pick-up:
  - 2:10 - 2:20 20 cars
  - 2:20 - 2:30 30 cars
  - 2:30 - 2:40 30 cars
  - 2:40 - 2:50 25 cars

- 2:50 - 3:00 20 cars
- After clubs/tutoring 3:45-4:00 35
- Stay for daycare possibly until 6pm 10
- M-Th - cars are cleared by 3pm regularly
- Fridays are early dismissal:
- 12:00-12:05 20
- 12:05-12:10. 30
- 12:10-12:15. 35
- 12:15-12:20. 35
- 12:20-12:30. 35
- Stay for daycare possibly until 6pm 15
-
- All queuing will be on site per the attached site plan.
- Please note that no students will be allowed to drive to school.

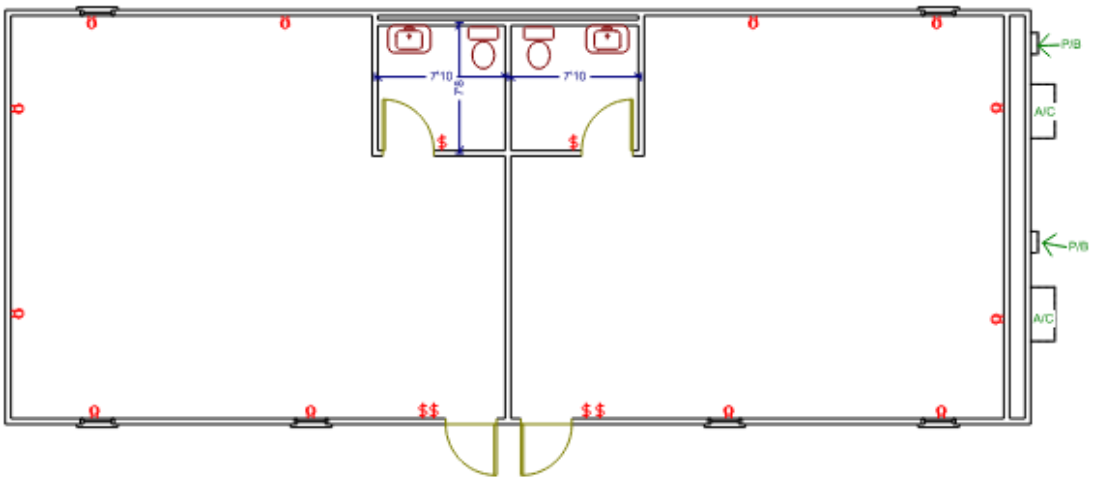
Noise: The school does not use any bells like regular schools nor do they have a PA system outside. The school uses walkie talkies for communication

Lease Agreement:

- The lease agreement has been established between SASCA-CV and Christ Lutheran Church, outlining the terms and conditions for the use of the church property. The term of the lease is two years with two, one-year renewal options. In addition, the CLC will continue operating the daycare center with only 10 children.

Built Components:

- Modular Classrooms: The project includes the installation of modular classrooms designed to provide a conducive learning environment for students. The design of the site plan has considered the accessible pathways to each modular. Concrete walk and infiltration basin will be installed. The buildings will not be sprinklered. Fire Alarm will be provided per local requirements. Below is the typical floor plan of the proposed Modular Classrooms:



- Foundations: Refer to the attached Sample Foundation Details sheet. The intent is to provide foundations that have minimal impact to the City's property and to meet the timeline for school

opening. The wood foundations will be inspected periodically and will be repaired as needed. Actual foundation design will allow for sheet drainage across the lot.

- Temporary Infrastructure: The lease plan will include provisions for temporary hookups for utilities such as water, electricity, and internet to support the modular buildings. Temporary tanks will be provided for water supply and sewage and will be regularly serviced via a local service complying with City of Chino regulations.

- Semi-Permanent Infrastructure: The intent is to add future semi-permanent hookups for utilities such as water, sewer, and electricity to support the modular classrooms after the school is open. We request the support of the City of Chino in determining an acceptable solution.

- Site Access: The plan will ensure safe and efficient access for student drop-off and pick-up, with designated areas for parents to drop off and pick up their children.

- Parking Requirements: The lease plan will include designated parking spaces for staff and visitors, ensuring compliance with city regulations. There are 40 full time staff.

- Fencing: The lease plan will include temporary fencing around the modular classrooms to ensure safety. Accessible pedestrian gates will be provided as shown on the site plan. Pedestrian gates will be unlocked during school hours.

- Fire Access: Refer to the site plan for fire lane access to the modulars, the site will not be enclosed with vehicular gates. The modulars will be able to be accessed via Vernon Ave on the east and a wide walkway on their west edge. Additionally, there are two fire hydrants located on the southern property line along Francis Avenue.

We appreciate your prompt attention to this matter and look forward to your support in continuing the education for Sycamore Academy of Science and Cultural Arts (SASCA- CV) and the Chino Community.

PUBLIC WORKS CONDITIONS OF APPROVAL
PROJECT NO. PL26-0015 (SA) & PL26-016 (SCUP)

DATE: May 11, 2026 PC MEETING DATE: May 20, 2026

PROJECT DESCRIPTION: New Temporary Charter School, 5 Modular Buildings at existing Church Site

PROJECT LOCATION: 5500 Francis Avenue (Frances Ave. & Vernon Ave.)

APPLICANT: Gonzalez Dev. Consulting PROJECT ENGINEER: Jorge Alvarado

PRIOR TO THE THREE MAJOR DEVELOPMENT EVENTS, THE APPLICANT SHALL SATISFY AND FULFILL ALL CONDITIONS OUTLINED BELOW. FAILURE TO COMPLY WITH ANY CONDITIONS OF APPROVAL SHALL BE DEEMED JUST CAUSE FOR REVOCATION OF PROJECT APPROVAL BY THE PLANNING COMMISSION. HOWEVER, THE PUBLIC WORKS DIRECTOR SHALL HAVE THE AUTHORITY TO APPROVE MINOR DEVIATIONS IN THE CONDITIONS OF APPROVAL, AND ALL PLANS INCLUDING THE CONSTRUCTION DRAWINGS.

1.0 **GENERAL CONDITIONS:**

1.1. The temporary use and buildings are approved for a maximum of **three** years from the date of this approval. Upon, or prior to, the expiration of the temporary use/building approval, the temporary use/building, and all appurtenances including all BMPs thereto, shall be removed from the affected property and the property shall be returned to its original condition.

1.2. Should a similar use be requested to be established at this location after the temporary use expires, permanent on and off-site improvements will be required to be constructed and installed in accordance with City Municipal Code

2.0 **PRIOR TO ISSUANCE OF BUILDING OR CONSTRUCTION PERMITS:**

2.1. All required plans and studies shall be prepared by a Registered Professional Engineer and submitted to the Project Engineer for review and approval. All project plans must be approved by the City Engineer's office before a Building Permit will be issued. All maps, studies, calculation sheets, reports, etc. must be on and/or folded in an 11-inch by 8½-inch standard format.

2.2. Prepare and submit a final grading plan showing building footprints, pad elevations, finished grades, drainage routes, retaining walls, erosion control, slope easements and other pertinent information in accordance with Appendix J of the California Building Code, latest edition.

2.3. Provide a certificate, from a Registered Civil Engineer, certifying that the finished grading has been completed in accordance with the City approved grading plan.

2.4. Submit a soils/geology report in accordance with Appendix J of the California Building Code, latest edition to the project engineer for review and approval.

2.5. All improvements shall comply with federal, state, and local accessibility regulations and standards.

a. The review or approval of plans and specifications by the City does not permit the violation of any section of the federal law, state law, building code, or local ordinance.

b. Where accessibility standards are contradictory, the provision that provides the most accessible (restrictive) condition shall apply.

c. Where the project's conditions of approval conflict with accessibility regulations and standards, the prevailing provision shall be determined by City's Accessibility Coordinator and City Engineer.

Pedestrian facilities (privately or publicly owned) that are open to the public shall comply with the City's Policy on Accessible Pedestrian Facilities, accessibility standards in the CBC, and ADA regulations at Part 36 of Title 28, which include the 2010 (ADA) Standards.

Accessibility of existing and proposed building improvements will be evaluated by the City's building department. Those comments and requests are in addition to those provided herein.

2.6. Comply with all applicable requirements of the City Code.

2.7. The project must ensure that all pedestrian facilities (private or publicly owned) that are open to the public shall comply with accessibility standards in the City's Policy on Accessible Pedestrian Facilities, the current edition of the CBC in effect at the time of building permit issuance or, if no permit, the date construction commences, and Part 36 of Title 28 of the Americans with Disabilities Act (ADA) regulations, which include the 2010 ADA Standards. This includes the following structures and facilities:

a. Walks within the development

2.8. Pay all applicable fees pursuant to City Code including, but not limited to, the Development Impact Fees (DIF) and Sewage Facilities Development Fee (SFDF). The actual amount of fees due to the City will be based on the fee schedule in place on the date that the fees are due, or the date that they are paid, whichever occurs last. The fee amount stated in this notice is subject to change based on (1) annual adjustments for inflation, pursuant to Chino Municipal Code Section 3.40.100 or 3.45.100, (2) revisions to the Chino Municipal Code, and (3) updates to the fee studies and nexus reports adopted by the City.

Developer is solely responsible for remaining informed about changes in the fee amounts. City shall have no obligation to inform Developer of changes in the fee amounts unless Developer requests notice of such changes, pursuant to Government Code Section 66019(b) and Chino Municipal Code Section 3.40.080(B) or 3.45.080(B).

2.9. Pursuant to Santa Ana Regional Water Quality Control Board Order Number R8-2010-0036, NPDES Permit No. CAS618036, prepare a project-specific Water Quality Management Plan (WQMP) and submit to the project engineer for review and approval. To address NPDES Permit requirements to the maximum extent practicable, the project shall be designed to specify preferential use of Low Impact Development Best Management Practices that reduce pollutants and runoff volume through structural measures (e.g., infiltration, harvesting, and bio-treatment) and non-structural measures (e.g., preserving natural areas, clustering development, and reducing impervious areas). The WQMP shall conform to the requirements of the San Bernardino County Stormwater Program, 2013 WQMP Technical Guidance Document and include the Trash Order Implementation Plan requirements.

2.10. Convey ownership of any and all existing onsite water wells to the City and convert to monitoring wells as directed by the City's Water Utilities Supervisor. Prepare and record any necessary easements to provide the City with access to the monitoring wells. Any existing water wells that cannot be feasibly converted to monitoring wells shall be destroyed per City Standard No. 465.

2.11. City staff shall determine the type of water (potable or recycled) to be used for grading operations, dust control activities, and common area/public landscape irrigation at the time of permit issuance.

2.12. Submit to the City electronic files, in Adobe Acrobat PDF format, of all submittals, including reports, studies, improvement plans and City redlines of previous submittals.

2.13. Comply with all requirements of the Focused Traffic Assessment dated March 26, 2026 including any construction of required improvements, if applicable.

3.0 **PRIOR TO REQUEST FOR AND RELEASE OF OCCUPANCY PERMITS:**

3.1. The applicant's Civil Engineer shall field verify that all BMPs are designed, constructed, and functional in accordance with the approved WQMP. BMPs shall also be inspected by Public Works Environmental staff. Coordinate inspection with staff and submit a completed City of Chino BMP field verification form for review and approval.

3.2. Pay all remaining applicable fees pursuant to City Code.

Attachment

CITY OF CHINO
PUBLIC WORKS DEPARTMENT
DEVELOPMENT ENGINEERING DIVISION

PROJECT NO. PL26-0015 (SA) & PL26-0016 (SCUP)

PROJECT ENGINEER: Jorge Alvarado

DATE: 5/11/2026

A COPY OF THIS CHECK LIST MUST BE PROVIDED ALONG WITH A COMPLETED PLAN CHECK REVIEW APPLICATION TO THE ENGINEERING TECHNICIAN WHEN MAKING AN APPOINTMENT FOR FIRST PLAN CHECK SUBMITTAL

- ☒ Copy of Development Engineering Division Conditions of Approval
- ☐ Plan Check Fee Calculation Form
- ☐ Maps (Subdivision Only)
- ☒ Preliminary Title Report (no older than six months) (Subdivision Only)
- ☐ Closure Calculations (Subdivision Only)
- ☐ Referenced Maps (Subdivision Only)
- ☒ Preliminary Soils Report (no older than sixty days)
- ☐ Lot line adjustment certificate
- ☐ Lot merger
- ☐ Right-of-way dedication (Corner Cut-Off)
- ☐ Rough Grading Plans
- ☒ Precise Grading Plans (PGP)
- ☒ Storm Drain Plans (May be included in the Precise Grading Plan)
- ☐ Hydrology and Hydraulic Calculations with Backup Data (Signed and Sealed by a Registered Civil Engineer)
- ☐ Engineering Cost Estimate (On City Forms) with Engineer's Wet Signature and Stamp
- ☐ Street Improvements Plans (Driveway and ADA Ramp Improvements may be shown on the PGP)
- ☐ Cross-Sections (if street plans are required) at 50' intervals and extended a minimum of 100' beyond limits of improvements
- ☐ Sewer Plans (Delta Revision as required)
- ☐ Domestic Water Plans (Delta Revision as required)
- ☐ Recycled Water Plans
- ☐ Street Light Plans
- ☐ Voltage Drop Calculations (Signed and Sealed by a Registered Engineer)
- ☐ Signing and Striping Plans (As required)
- ☐ Traffic Signal Interconnect Plans
- ☐ Traffic Signal Plans
- ☒ Water Quality Management Plan
- ☐ Construction Management Plan

Chino Valley Fire District

14011 City Center Drive
Chino Hills, CA 91709
(909) 902-5260 Administration
(909) 902-5250 Fax
Chinovalleyfire.org

Board of Directors

Mike Kreeger
President
Tom Haughey
Vice President
Harvey Luth
Sarah Ramos-Evinger
Andrew Romaine

Fire Chief
Dave Williams

April 15, 2026

2026-00000327

ANTONIO GONZALEZ 15000 PIPELINE AVE CHINO, CA - California 91710	Project Name: PL26-0015 & PL26-0016 SASCA - CHINO VALLEY - SA & CUP Project Address: 5500 FRANCIS AVE CHINO, CA 91710

It is a recommendation of the Fire District that the developer of every new construction project facilitate a preconstruction meeting. The meeting is to be scheduled with the Fire District Inspector for said project.

The following are the conditions of the above referenced permit/project. All conditions shall be adhered to, failure to comply with said conditions may result in the revocation of said permit and/or punitive fines as outlined in the Fire District fee schedule.

We look forward to a cooperative working relationship throughout the project. Should you have any questions regarding the project, including the conditions as set forth herein, please feel free to contact our office at (909) 902-5280.

Fire Protection Requirements

1.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO RECORDATION:

1.1 Fire access roads shall be designed and plans submitted to the Fire District for approval. Fire access roads shall be constructed of an all-weather hard surface, such as, asphalt or concrete, and be a minimum unobstructed width of 26 feet. The fire apparatus access road shall extend to within 150 feet of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. The road grade shall not exceed twelve percent (12%) maximum. An approved turn around shall be provided at the end of each roadway in excess of 150 feet in length.

Aerial access shall be provided for any buildings 30’ ft. and higher per 2025 CFC. Appendix D. A 26’ ft. wide access road shall be a minimum of 15’ ft. to the building and a maximum of 30’ ft. from the building. Access roads shall comply with Fire District Standard No. 111.

1.2 The development and each phase shall have two (2) points of vehicular access during construction. Fire District Standard No. 111 shall be complied with.

1.3 Water systems shall be designed to meet the required fire flow of this development and be approved by the Community Risk Reduction Division. Buildings in excess of 100,000 square feet shall have a minimum of two (2) connections to a public main. The developer shall furnish the Community Risk Reduction Division with three (3) copies of the water system working plans done by the installing contractor for approval, along with the Fire Flow Availability Form completed by the water purveyor prior to recordation. The required fire flow shall be determined by using the California Fire Code, current adopted edition. For all private systems, the water systems shall comply with Fire District Standard Nos. 101, 102, and 103. In areas without water-serving utilities, fire protection water systems shall be based on NFPA Pamphlet 1231. For water connections and work conducted in the public right of way, please refer to separate plans reviewed and approved by the water purveyor.

1.4 Fire hydrants shall be six-inch (6") diameter with a minimum one four-inch (4") and one two and one-half inch (2-1/2") connections. All fire hydrants shall be spaced a maximum of three hundred feet (300') apart. Private water systems shall comply with Fire District Standard Nos. 101, 102, and 114. All hydrants shall be installed with pavement markers to identify their locations.

2.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO ISSUANCE OF BUILDING PERMIT:

2.1 Fire access roads shall be constructed and approved by the Community Risk Reduction Division prior to combustibles being brought onto the site.

2.2 Approved street signs shall be installed prior to issuance of building permits, as well as a job site address.

2.3 Fire Protection water systems shall be tested, operational, and approved by the Community Risk Reduction Division prior to combustible materials being brought to the site.

2.4 All flammable vegetation shall be removed from each building site for a minimum distance of thirty feet (30') from any flammable building material including all structures.

2.5 A detailed site plan of the development is required to be submitted in electronic (pdf.) format. The plan must show and be limited to: locations of property lines, buildings, and equipment and hazards for emergency response purposes. Please refer to Fire District Standard No. 143. Additional or revised files may be required during construction and/or prior to final signoff.

2.6 The Developer shall submit, as an electronic file, a drawing of the new streets in pdf format to the Fire District with the building construction plans. Format must contain and be restricted to the following layers: A. Right of way; B. Parcel Lines; C. Street Names; D. Address numbers; E. Fire Hydrants. Additional or revised files may be required during construction and/or prior to final signoff.

3.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO OCCUPANCY:

3.1 An manual/automatic fire alarm system is required. An electronic/PDF set of detailed plans shall be submitted showing the design, system components, signaling devices, fire alarm power supply, control panel and auxiliary devices and functions of the alarm system. Please refer to Fire District Standard No. 133 and current adopted editions of the California Building Code, as well as NFPA Standard 72.

3.2 Smoke and Carbon Monoxide alarms are required to be installed per Section 310 of the California Building Code, current adopted edition. Locations shall be in accordance with code requirements.

3.3 "No Parking - Fire Lane" signs shall be installed in interior access drives at locations designated by the Community Risk Reduction Division. Curbs shall be painted red at locations designated by the Community Risk Reduction Division. Please refer to Fire District Standard No. 121.

3.4 Commercial, industrial, and multi-family building addresses shall be posted with a minimum eight inch (8") numbers, visible from the street and during the hours of darkness they shall be internally or externally electrically illuminated. Posted numbers shall contrast with the background used and be legible from the street.

3.5 An approved recessed Fire Department "KNOX" brand key box or lock is required. The key box shall be located at or near the main entrance(s), and shall be provided with a tamper switch and shall be monitored by an approved central station monitoring service. Please refer to Fire District Standard No. 117.

3.6 An electronic/PDF set of plans shall be submitted separately for each of the following listed items to the Fire District for review, approval and permit prior to any installation or work being done. Approved plans must be maintained at the worksite during construction. Fees are due at the time of submittal.

a) Building Construction, includes tenant improvement work
b) Private (onsite) Underground Fire Protection Water Systems, if applicable
c) Fire Sprinkler Systems, designed by C16 contractor or registered engineer

Applicable Standards:

101, 102, 103, 111, 122, 133

CVFD Standards available online at http://www.chinovalleyfire.org

SYCAMORE ACADEMY

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS

5500 FRANCIS AVE, CHINO, CA 91710

CONDITIONAL USE PERMIT - 2ND SUBMITTAL

3/11/2026

DIRECTORY

OWNER
SYCAMORE ACADEMY CHARTER SCHOOL
ADDRESS: P.O. BOX 1400, 23151 PALOMAR ST.,
WILDOMAR, CA 92585
TEL: (951) 678-5217
CONTACT: BARBARA HALE
E-MAIL: b.hale@sycamoreacademycharter.org

LANDLORD
CHRIST LUTHERAN CHURCH OF CHINO
ADDRESS: 5500 FRANCIS AVE
CHINO, CA 91710
TEL: (909) 627-1433
CONTACT: LINNEA PIERSON
E-MAIL: ljpierson12@gmail.com

OAR (OWNER'S AUTHORIZED REPRESENTATIVE)
GONZALEZ DEVELOPMENT CONSULTING LLC
ADDRESS: 3131 WILLOW RD,
NORTHBROOK, IL 60062
TEL: (323) 807-8173
CONTACT: ANTONIO GONZALEZ
E-MAIL: antonio@gonzalezdev.com

ARCHITECT
SATOH BROTHERS INTERNATIONAL, INC
ADDRESS: 19750 S. VERMONT AVE, SUITE 100,
TORRANCE, CA 90502
TEL: (310) 768-2700
CONTACT: AKIKO OZAKI
E-MAIL: aozaki@satohbrothers.com

LANDSCAPE ARCHITECT
NUVIS
ADDRESS: 20250 SW ACACIA STREET, SUITE 260
NEWPORT BEACH, CA 92660
TEL: (714) 754-7311
CONTACT: ROBERT STONE
E-MAIL: rstone@nuvis.net

CIVIL ENGINEER
TAIT & ASSOCIATES, INC
ADDRESS: 701 N. PARKCENTER DR.,
SANTA ANA, CA 92705
TEL: (714) 560-8671
CONTACT: ALEX GONZALEZ
E-MAIL: agonzalez@tait.com

ELECTRICAL ENGINEER
PACIFIC ENGINEERS GROUP
ADDRESS: 1106 W. MAGNOLIA BLVD., SUITE A
BURBANK, CA 91506
TEL: (818) 859-7081
CONTACT: ANTHONY FAJARDO
E-MAIL: anthonyfajardo@pacificeng.net

GEOTECHNICAL ENGINEER
NINYO & MOORE
ADDRESS: 355 S GRAND AVE STE 2450,
LOS ANGELES, CA 90071
TEL: (949) 753-7070
CONTACT: RONALD HALLUM
E-MAIL: rhallum@ninyoandmoore.com

MODULAR MANUFACTURER
WILLSCOT
195 E MORGAN ST
PERRIS, CA 92571
TEL: (951) 241-8339
CONTACT: CARMEN AGUILAR
E-MAIL: carmen.aguilar@willscot.com

TRAFFIC ENGINEER
LLG ENGINEERS
ADDRESS: 2 EXECUTIVE CIRCLE, SUITE 250,
IRVINE, CA 92614
TEL: (949) 825-6175
CONTACT: DAN KLOOS
E-MAIL: kloos@llgengineers.com

PROJECT DATA

PROJECT SUMMARY
(5) 24' X 60' NEW TEMPORARY MODULAR CLASSROOM BUILDINGS INSTALLED IN AN EXISTING CHURCH TURF AREA. FENCING, GATES AND PAVEMENT WILL BE INSTALLED, INCLUDE PROVISION OF ACCESSIBLE PARKING SPACES AND ACCESSIBLE CURB CUT. UTILITIES ARE TEMPORARY WITH TANKS FOR WATER SUPPLY AND OVERHEAD POWER SUPPLY. SEWER SHALL BE TIED INTO ON-SITE PRIVATE SEWER LINE. THE INTENT OF ALL WORK SHALL BE TEMPORARY FOR 2-YEAR OF USE.

PROPERTY INFORMATION

ADDRESS:	5500 FRANCIS AVE, CHINO, CA 91710
APN:	1014-281-09-0000
LOT:	3.09 ACRE
ZONING DESIGNATION:	RD1
LOT COVERAGE:	14%
LANDSCAPE COVERAGE:	36.85%
GENERAL PLAN LAND USE:	INCORPORATED CITY/TOWN
FAR:	14%
IMPERVIOUS AREA RATIO:	47.25%

BUILDING DATA

BUILDING:	PRE-MANUFACTURED RELOCATABLE CLASSROOM BUILDING
TYPE OF CONSTRUCTION:	TYPE V-B
STORY:	1-STORY
BUILDING HEIGHT:	11'-6" (SHIPPING HEIGHT TO GRADE APPROXIMATELY 14'-3")
AREA:	1,440 SF X (5) BUILDINGS = 7,200 SF TOTAL
OCCUPANCY TYPE:	E-OCC
FIRE SPRINKLER:	NO 7,200 SF PROPOSED <12,000 SF ∴
SPRINKLER NOT REQ'D	
FIRE ALARM:	YES (DEFERRED SUBMITTAL)

DEFERRED SUBMITTALS
FIRE ALARM

SHEET INDEX (31 SHEETS)

GENERAL

G001	COVER SHEET
G002	ABBREV. SYMBOLS AND GEN. NOTES
G003	SITE PLAN - CODE ANALYSIS
G004	SITE UTILIZATION MAP
G005	TRAFFIC CIRCULATION PLAN

CIVIL

C001	EXISTING SITE TOPOGRAPHY
C002	CONCEPTUAL GRADING & DRAINAGE PLAN
C003	CONCEPTUAL GRADING SECTIONS
C004	CONCEPTUAL WET UTILITY PLAN
C005	PEDESTRIAN ACCESS PLAN

ARCHITECTURE

AD001	DEMOLITION SITE PLAN
A001	SITE PLAN
A002	ENLARGED SITE PLANS
A005	WOOD FENCE DETAILS
A201	COLORED BUILDING ELEVATIONS

LANDSCAPE

L001	LANDSCAPE PLAN
L002	LANDSCAPE PLANT IMAGES

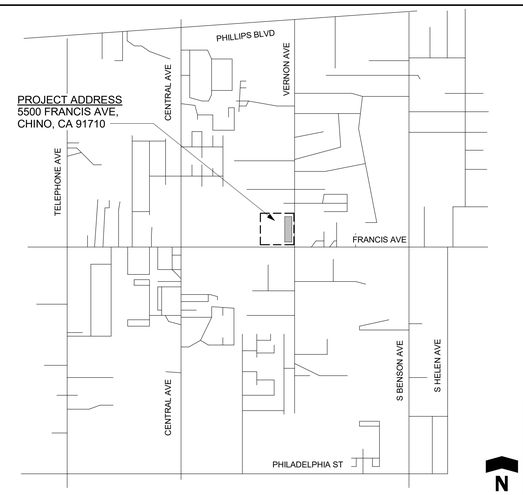
ELECTRICAL

E101	SYMBOL LIST, NOTES, CODES & DETAILS
E102	SINGLE LINE DIAGRAM & ELECTRICAL DETAILS
E103	ELECTRICAL DETAILS
E201	ELECTRICAL SITE PLAN
E202	SIGNAL SITE PLAN
E203	SITE PLAN - PHOTOMETRIC CALCULATIONS
E301	RELO CLASSROOM SIGNAL PLAN

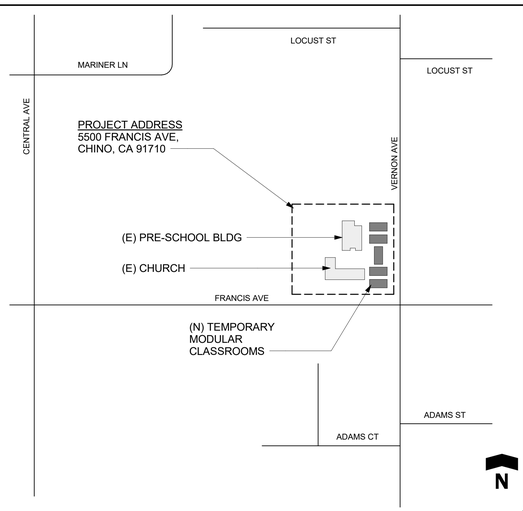
MODULAR CLASSROOM BUILDINGS

A-1.0	FLOOR PLAN AND BUILDING DATA AND BUILDING SPECIFICATIONS
A-2.0	FLOOR PLAN AND BUILING DATA
A-3.0	EXTERIOR ELEVATIONS
E-1.0	ELECTRICAL PLAN AND DETAILS
M-1.0	MECHANICAL PLAN AND DETAILS
P-1.0	PLUMBING PLAN AND DETAILS
S-101	FOUNDATION PLAN

VICINITY MAP



LOCATION MAP



Satoh Brothers International, Inc.
19750 S. VERMONT AVE. SUITE 100 TORRANCE, CA 90502
TEL 310.768.2700 FAX 310.532.8878 www.satohbrothers.com

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LICENSED ARCHITECT YOSHIO SATOH NO 11264 REN. 08/27 STATE OF CALIFORNIA

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS
SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

JOB NO.	2530SAC-D
PM	AO
DATE	3/11/2026
1 DRC REV 1	3/11/2026

COVER SHEET

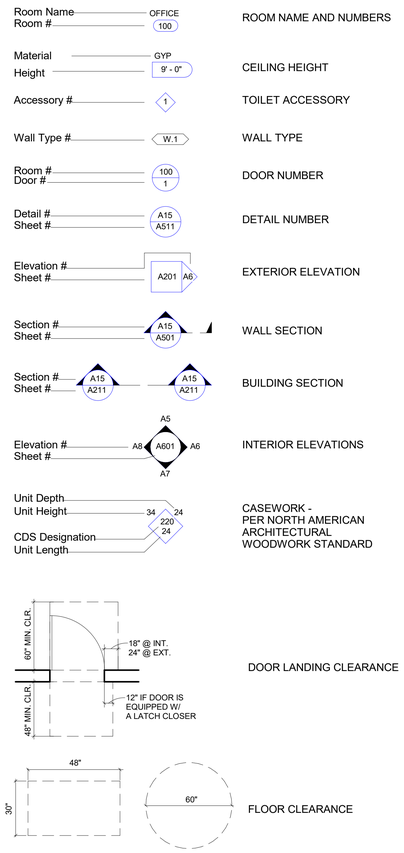
G001

ABBREVIATIONS

FOR ADDITIONAL ABBREVIATIONS, SEE OTHER DISCIPLINE SHEETS. ABBREVIATIONS MAY VARY BETWEEN DISCIPLINES.

@	AT
℄	CENTERLINE
A.F.F.	ABOVE FINISH FLOOR
A.C.	ASPHALTIC CONCRETE
ALUM.	ALUMINUM
APPROX.	APPROXIMATELY
ARCH.	ARCHITECT
BLDG.	BUILDING
C.J.	CONTROL JOINT
CLG.	CEILING
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNITS
CONT.	CONTINUOUS
D.G.	DECOMPOSED GRANITE
DIA.	DIAMETER
DN.	DOWN
D.F.	DRINKING FOUNTAIN
D.S.	DOWNSPOUT
DWG.	DRAWING
(E)	EXISTING
EA.	EACH
E.J.	EXPANSION JOINT
ELEC.	ELECTRIC
ELEV.	ELEVATOR
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER (WALL HUNG)
F.E.C.	FIRE EXTINGUISHER AND CABINET
F.F.	FINISH FLOOR
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.R.P.	FIBERGLASS REINFORCED PLASTIC
F.S.	FLOOR SINK
F.V.	FIELD VERIFY
FT.	FOOT OR FEET
GA.	GAUGE OR GAGE
GALV.	GALVANIZE
GYP.	GYPSUM
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HT.	HEIGHT
INT.	INTERIOR
LAB.	LABORATORY
LAM. PLAS.	LAMINATED PLASTIC
LAV.	LAVATORY
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
NO./#	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I	OWNER FURNISHED OWNER INSTALLED
O.H.	OPPOSITE HAND
O.L.F.	OCCUPANT LOAD FACTOR
PEMB	PRE-ENGINEERED METAL BUILDING
P.H.	PANIC HARDWARE
P.L.	PROPERTY LINE
R.	STAIR RISER
RAD.	RADIUS
REF.	REFRIGERATOR
REQ'D.	REQUIRED
RM.	ROOM
R.O.	ROUGH OPENING
SF	SQUARE FEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
S.S.	STAINLESS STEEL OR SERVICE SINK
STRUCT.	STRUCTURAL
SYM.	SYMMETRICAL
T.	STAIR TREAD
T.& G.	TONGUE AND GROOVE
T.O.C.	TOP OF CURB
T.O.D.	TOP OF DECK
T.O.P.	TOP OF PARAPET
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TEMP.	TEMPORARY
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
U.O.N.	UNLESS OTHERWISE NOTED
U.	URINAL
V.C.T.	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
VERT.	VERTICAL
W/	WITH
W.C.	WATER CLOSET

SYMBOLS



APPLICABLE CODES & STANDARDS

GENERAL CODES & STANDARDS

2025 CA ADMINISTRATIVE CODE TITLE 24 PART 1

2025 CA BUILDING CODE TITLE 24 PART 2 VOLUME 1 AND 2

2025 CA ELECTRICAL CODE TITLE 24 PART 3

2025 CA MECHANICAL CODE TITLE 24 PART 4

2025 CA PLUMBING CODE TITLE 24 PART 5

2025 CA ENERGY CODE TITLE 24 PART 6

2025 CA FIRE CODE TITLE 24 PART 9

2025 CA BUILDING STANDARDS TITLE 24 PART 12

TITLE 19 - CCR STATE FIRE MARSHAL REGULATIONS CHANGES

NFPA 101 - LIFE SAFETY CODE, 2021

AMERICANS WITH DISABILITIES ACT (ADA), TITLE II: ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

CITY OF CHINO ZONING ORDINANCE

FIRE SPRINKLER

NFPA 13 - INSTALLATION OF SPRINKLER SYSTEMS	2022 EDITION
NFPA 14 - INSTALLATION OF STANDPIPE SYSTEMS, PRIVATE HYDRANT AND HOSE SYSTEMS	2019 EDITION
NFPA 24 - INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2022 EDITION
NFPA 25 - INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS	2023 EDITION

FIRE ALARM

NFPA 72 - NATIONAL FIRE ALARM CODE (CA AMENDED)	2022 EDITION

GENERAL NOTES

1. VERIFY DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION, AND ARE NOT GUARANTEED TO BE ACCURATE.
2. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
3. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. WHERE CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
5. DIMENSIONS SHOWN ON DRAWINGS SUPERSEDE SCALED DIMENSIONS.
6. DETAILS MARKED 'TYPICAL' SHALL APPLY IN SIMILAR CASES.
7. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION OR PER COMMON INDUSTRY PRACTICE IF THERE ARE NO LIKE CASES.
8. PRIOR TO THE START OF WORK COORDINATE THE REQUIREMENTS OF THE TRADES INDICATED HEREIN AND THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBDIVIDE THE WORK.
10. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE NEW WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, NOTIFY THE OWNER AND MAKE CORRECTIONS REQUIRED TO BRING THE NEW WORK INTO COMPLIANCE WITH THE CODE.
11. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY A WRITTEN CHANGE ORDER AND IF REQUIRED BY STATUTE, APPROVED BY THE AGENCY HAVING JURISDICTION, IN COMPLIANCE WITH THE GOVERNING CODES.
12. PROVIDE THE OWNER, THE OWNER'S REPRESENTATIVE, AND THE PROJECT INSPECTOR FULL ACCESS TO THE SITE AT ALL TIMES.
13. COOPERATE WITH THE OWNER PROVIDED TESTING LAB TO OBTAIN TEST SAMPLES. THE INSPECTOR FOR THE AGENCY HAVING JURISDICTION SHALL HAVE FULL ACCESS TO THE WORK AT ALL TIMES.
14. DIMENSIONS ARE TO GRID LINES, FACE OF CONCRETE, FACE OF CONCRETE MASONRY UNITS, AND FACE OF STUDS, UNLESS NOTED OTHERWISE.
15. CONTRACTOR'S SAFETY BARRICADES AND TEMPORARY FENCING SHALL PROTECT THE PUBLIC FROM CONSTRUCTION ACTIVITIES. THE SAFETY BARRICADE SHALL PROTECT AND SECURE THE CONSTRUCTION AREA. TEMPORARY FENCING SHALL BE PROVIDED TO PROTECT AND SECURE STORAGE YARDS. THE EXACT LOCATION OF SAFETY BARRICADE AND TEMPORARY FENCING SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO INSTALLATION.
16. PENETRATIONS NOT SHOWN ON THE PLANS THAT REQUIRE CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH EXISTING OR NEW STRUCTURAL ELEMENTS ARE NOT ALLOWED UNLESS THE DETAILS HAVE BEEN REVIEWED BY THE OWNER OR THE PROJECT'S STRUCTURAL ENGINEER.
17. LOCATE ON-SITE UTILITIES BY OBTAINING AND PAYING FOR THE SERVICES OF A UTILITY LOCATER.
18. CONTACT AN UNDERGROUND UTILITY SERVICE TO CHECK PUBLIC UTILITIES PRIOR TO WORK IN A PUBLIC WAY.
19. WHERE CONFLICTS OCCUR IN THE DOCUMENTS, BID THE MORE EXPENSIVE ITEM.
20. SAFEGUARDS DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CBC CHAPTER 33 AND CFC CHAPTER 33.

TENANT IMPROVEMENT NOTES

1. CONSTRUCTION ACTIVITIES SHALL BE CONTAINED WITHIN FENCED OR BARRICADED AREAS. CONSTRUCTION ACTIVITIES THAT GENERATE DISRUPTIVE NOISE, ODORS, AND DUST TO BE SCHEDULED TO MINIMIZE DISRUPTION TO OCCUPANTS AT THE SITE AND NEIGHBORING PROPERTY. MODIFY THE PROJECT SCHEDULE AT THE OWNER'S REQUEST WHEN DISRUPTIONS CANNOT BE AVOIDED.
2. EXERCISE CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, AND CONDUIT, AND TO PREVENT HAZARD TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE OWNER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES, WHETHER OR NOT SHOWN ON THESE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING UNDERGROUND UTILITIES AND STRUCTURES.
3. PHOTO DOCUMENT THE EXISTING CONDITIONS OF THE SITE INCLUDING THE CONTRACTOR'S YARD AREA; AREAS WHERE TRENCHING WILL BE OCCURRING AND WHERE VEHICLE TRAFFIC IS ANTICIPATED. TEST IRRIGATION SYSTEM FOR PROPER OPERATION. AT PROJECT COMPLETION THE AREAS ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION INCLUDING, BUT NOT LIMITED TO, INSTALLING SOD AT DAMAGED TURF AREAS, REPLACING DAMAGED PLANTING, REPAIRING DAMAGED UNDERGROUND UTILITIES, PATCHING DAMAGED ASPHALT PAVING, RESTRIPING PAVING AND REPLACEMENT OF DAMAGED CONCRETE.
4. HAVE EMERGENCY SHUT-OFF PROCEDURES IN PLACE PRIOR TO START OF CONSTRUCTION. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH SHUT-OFF VALVE LOCATIONS ON SITE AND HAVE PROPER TOOLS AVAILABLE TO OPERATE VALVES.
5. BUILDINGS UNDERGOING ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH CFC CHAPTER 33 AND CBC CHAPTER 33. MAINTAIN EXISTING FIRE ALARM SYSTEM UNTIL THE NEW SYSTEM OR SYSTEM MODIFICATIONS ARE FUNCTIONAL.
6. WHERE ITEMS ARE CUT DEMOLISHED OR REMOVED, PATCH SURFACES AFFECTED TO MATCH ADJACENT SURFACES. MATCH MATERIAL, TEXTURE, AND PATTERN. REMOVE FASTENERS AND ANCHORS AND PATCH HOLES.
7. WHERE ITEMS ARE CUT, REMOVED OR DEMOLISHED AND PAINTING OR FINISHING IS REQUIRED TO MATCH ADJACENT SURFACES, PAINT OR FINISH THE ENTIRE PLANE OF THE REPAIR.
8. THESE DRAWINGS DO NOT SHOW MATERIALS TO BE REMOVED AND REINSTALLED IN ORDER TO INSTALL NEW WORK. THE EXTENT OF REMOVAL AND REINSTALLATION IS TO BE DETERMINED BY THE CONTRACTOR AND IS NOT CONSIDERED DEMOLITION. REINSTALL MATERIALS PER THE DEMOLISHED ITEMS' NOTES ABOVE.
9. REMOVE, DEMOLISH OR DISPOSE MEANS REMOVE FROM THE SITE AND DISPOSE IN A LEGAL FASHION.
10. SEE ELECTRICAL FOR ADDITIONAL DEMOLITION.

Satoh Brothers International, Inc.
19750 S. VERMONT AVE. SUITE 100 TORRANCE, CA 90502
TEL 310.768.2700 FAX 310.532.8878 www.satohbrothers.com

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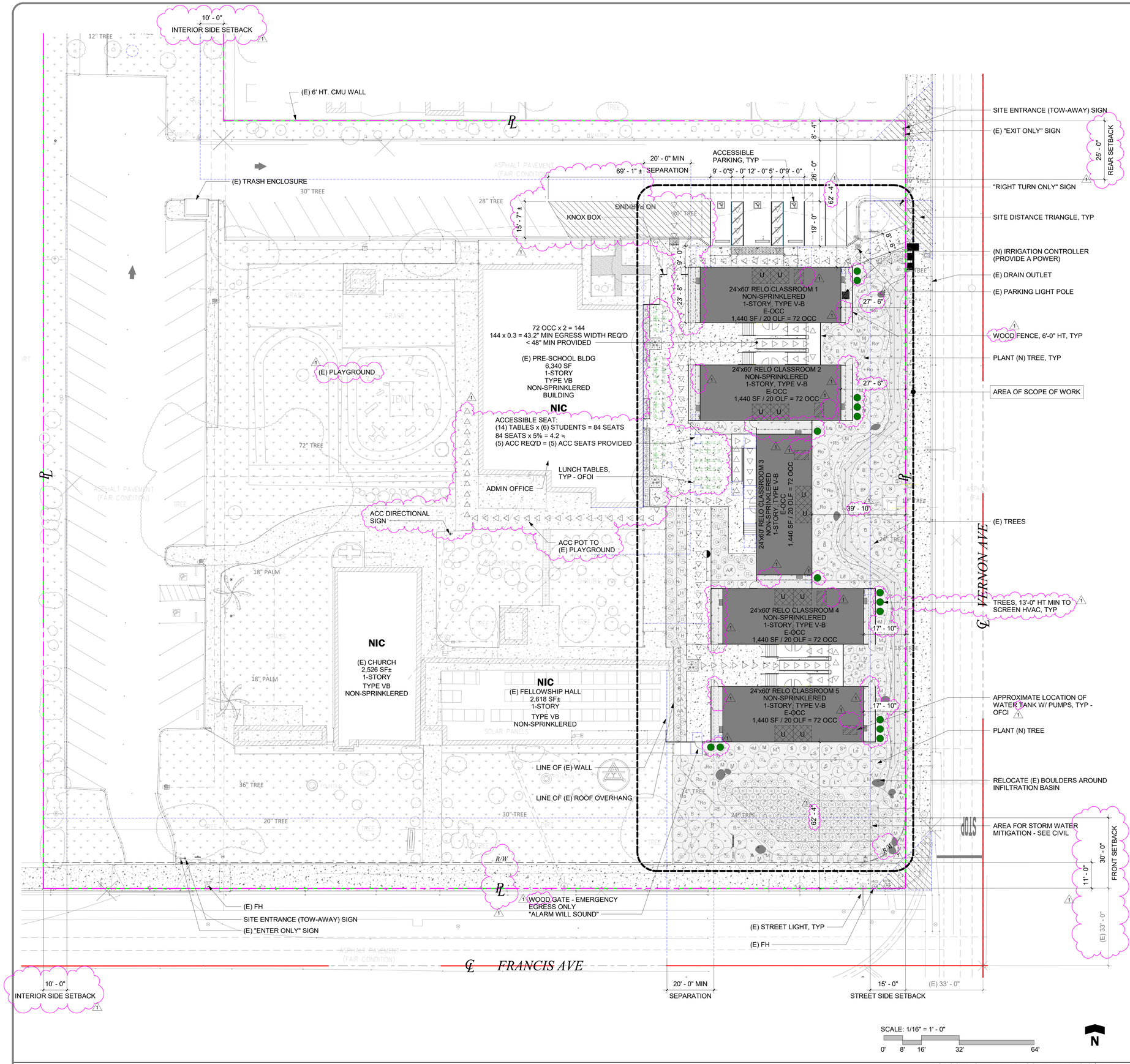
LICENSED ARCHITECT SATOH YOSHIO NO. 17264 REN. 08/31/27 STATE OF CALIFORNIA

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS
SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

JOB NO.	2530SAC-D
PM	AO
DATE	3/11/2026

ABBREV. SYMBOLS AND GEN. NOTES

G002



PROPOSED SITE PLAN - CODE ANALYSIS C10

1/16" = 1'-0"

PARKING CALCULATION

PARKING COUNT

[CHINO MUNICIPAL CODE 20.18.030]

(N) TEMPORARY CLASSROOMS - 1ST TO 8TH GRADE	ELEMENTARY AND SECONDARY SCHOOLS: 2 SPACES FOR EACH CLASSROOM
	10 CLASSROOMS X 2 **20 SPACES (WEEKDAYS)**
TOTAL PARKING PROPOSED	**61 SPACES**

[CBC 2025 TABLE 11B-208.2: PARKING SPACES]
51-75 SPACES: 3 ACCESSIBLE PARKING REQ'D

ACCESSIBLE PARKING PROPOSED: **3 SPACES**

[CBC 2025 11B-208.2.4 VAN PARKING SPACES]
FOR EVERY 6 ADA PARKING SPACES: 1 VAN PARKING REQ'D

ADA VAN PARKING PROPOSED: **1 SPACE**

SITE LEGEND

- NEW RELO CLASSROOM
- EXISTING BUILDING (NIC)
- SITE CONCRETE
- ACCESSIBLE RESTROOM
  - U: UNISEX
- ACCESSIBLE PATH OF TRAVEL
- ACCESSIBLE ENTRANCE

- ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".

SITE NOTES

1. FOR TYPICAL SYMBOLS AND ABBREVIATIONS, SEE SHEET G002.

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
2. DRINKING WATER SHALL BE PROVIDED WITHIN EACH CLASSROOM.
3. REFER TO RELOCATABLE CLASSROOM BUILDING DRAWINGS FOR UTILITY CONNECTIONS AND ADDITIONAL INFORMATION.

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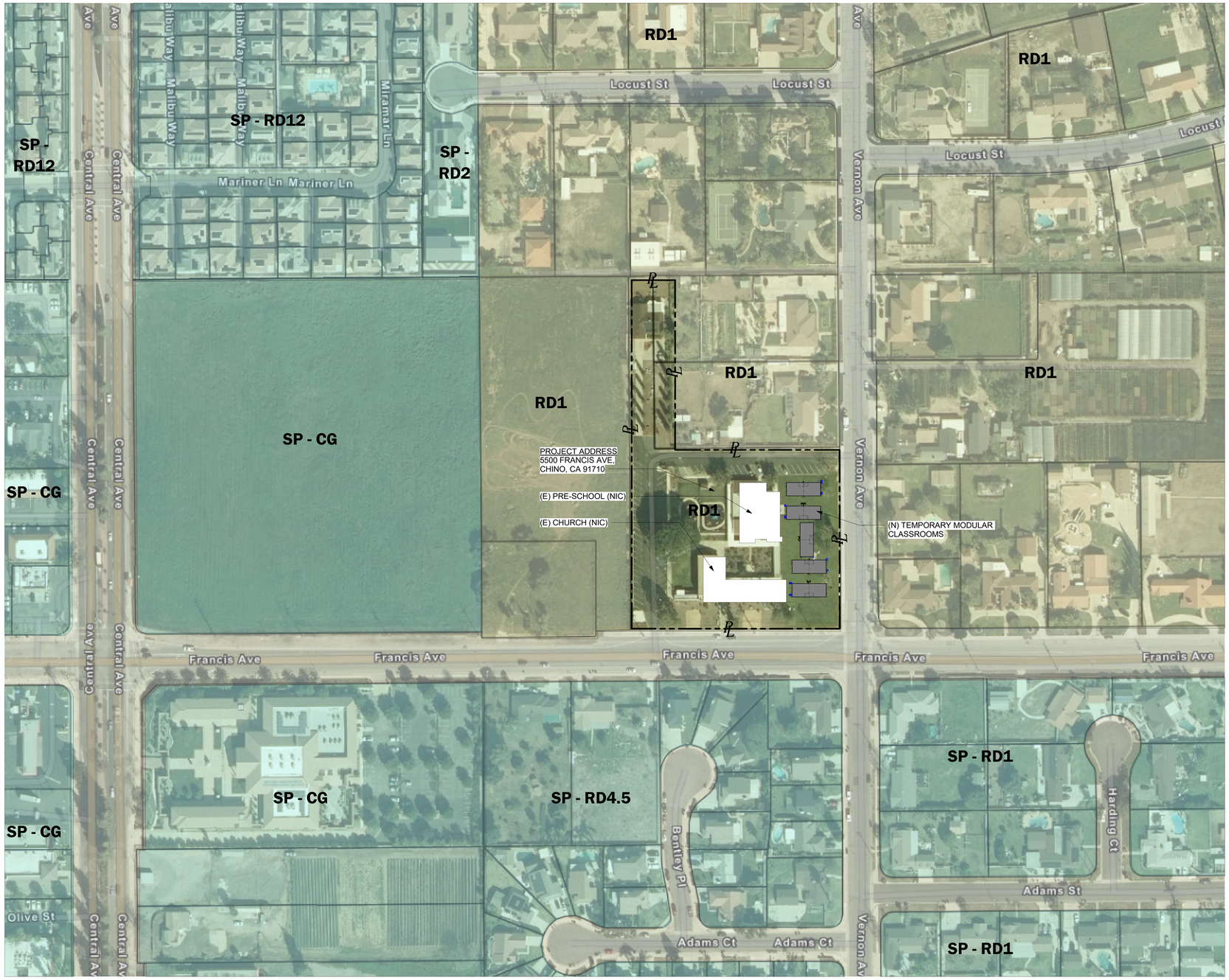
LICENSED ARCHITECT YOSHIO SATOH NO. 17264 REN. 08/31/27 STATE OF CALIFORNIA

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS
SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

JOB NO.	2530SAC-D
PM	AO
DATE	3/11/2026
DRC REV 1	3/11/2026

SITE PLAN - CODE ANALYSIS

G003



1" = 80' - 0"

0' 40' 80' 160' 320'

N

SITE LEGEND

- NEW BUILDING
- EXISTING BUILDING

SITE NOTES

1. FOR TYPICAL SYMBOLS AND ABBREVIATIONS, SEE SHEET G002

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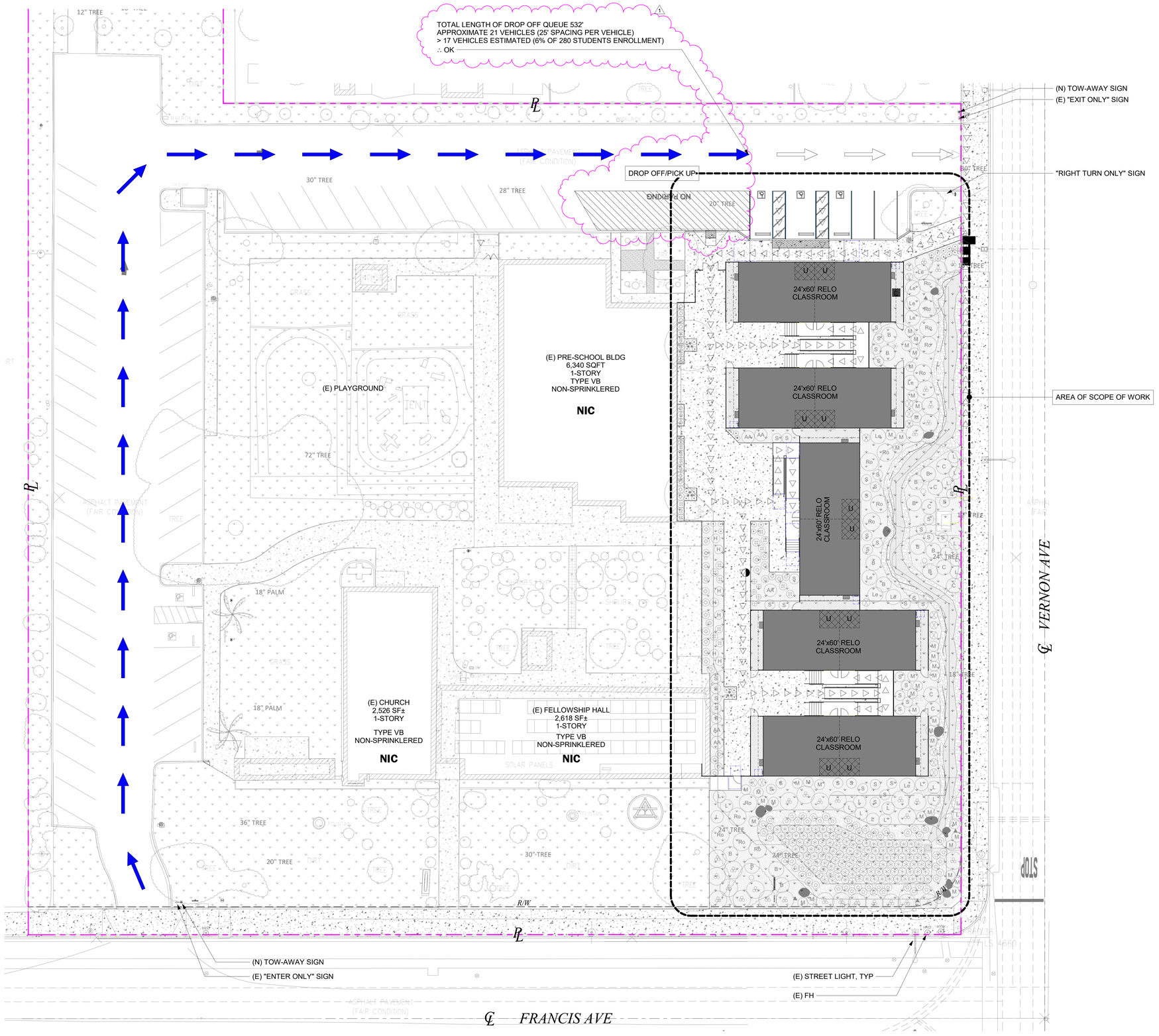
SITE UTILIZATION MAP

G004

SITE UTILIZATION MAP C10 1" = 80'-0"



PROPOSED SITE PLAN - TRAFFIC CIRCULATION PLAN C10
1/16" = 1'-0"

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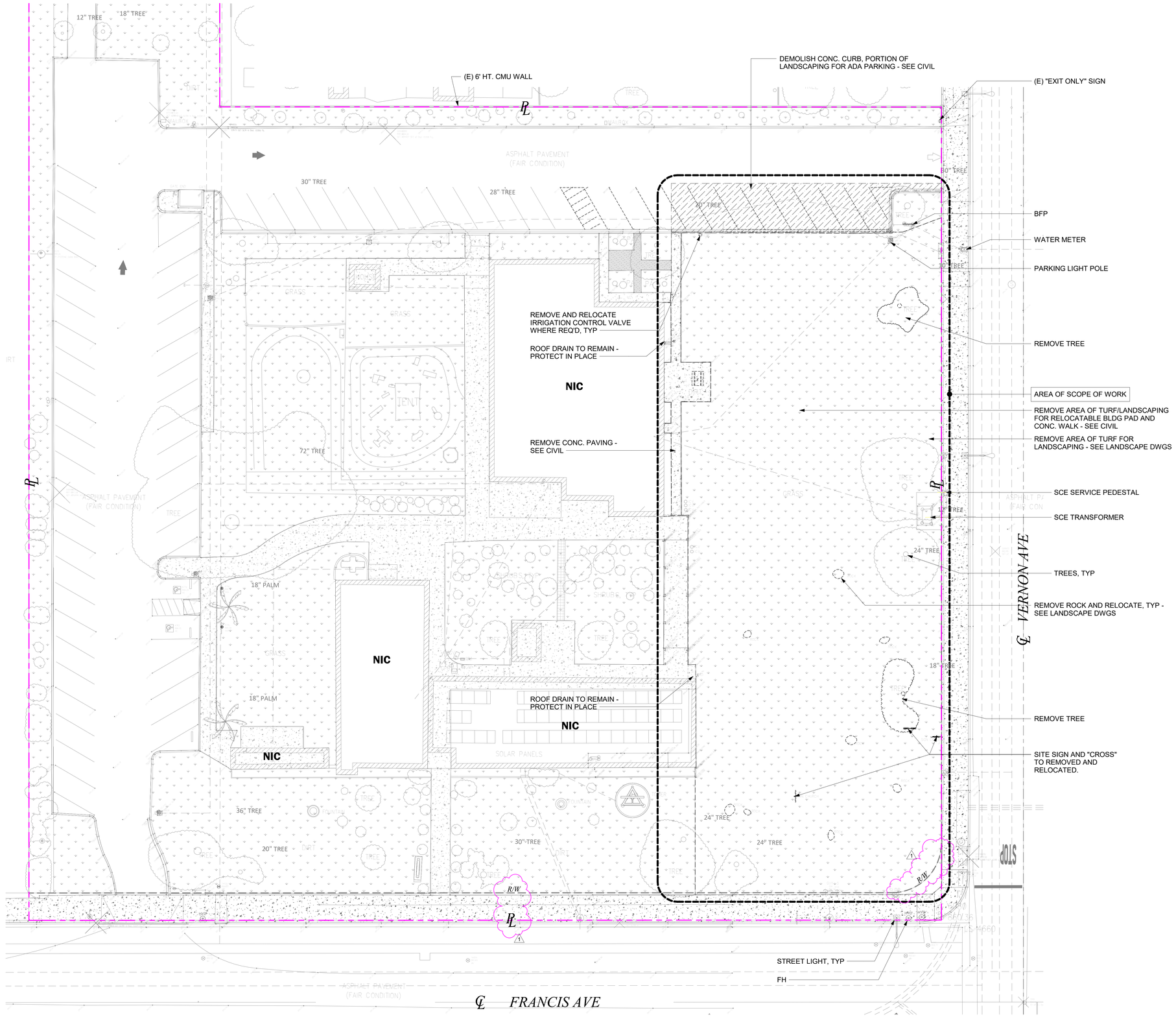
TRAFFIC CIRCULATION PLAN

G005



SITE LEGEND

- EXISTING BUILDING
- EXISTING CONCRETE PAVING
- EXISTING AC PAVING
- ITEM TO BE DEMOLISHED

DEMOLITION NOTES

1. FOR TYPICAL SYMBOLS AND ABBREVIATIONS, SEE SHEET G002

DEMOLITION SITE PLAN C10
1/16" = 1'-0"

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DATE	3/11/2026
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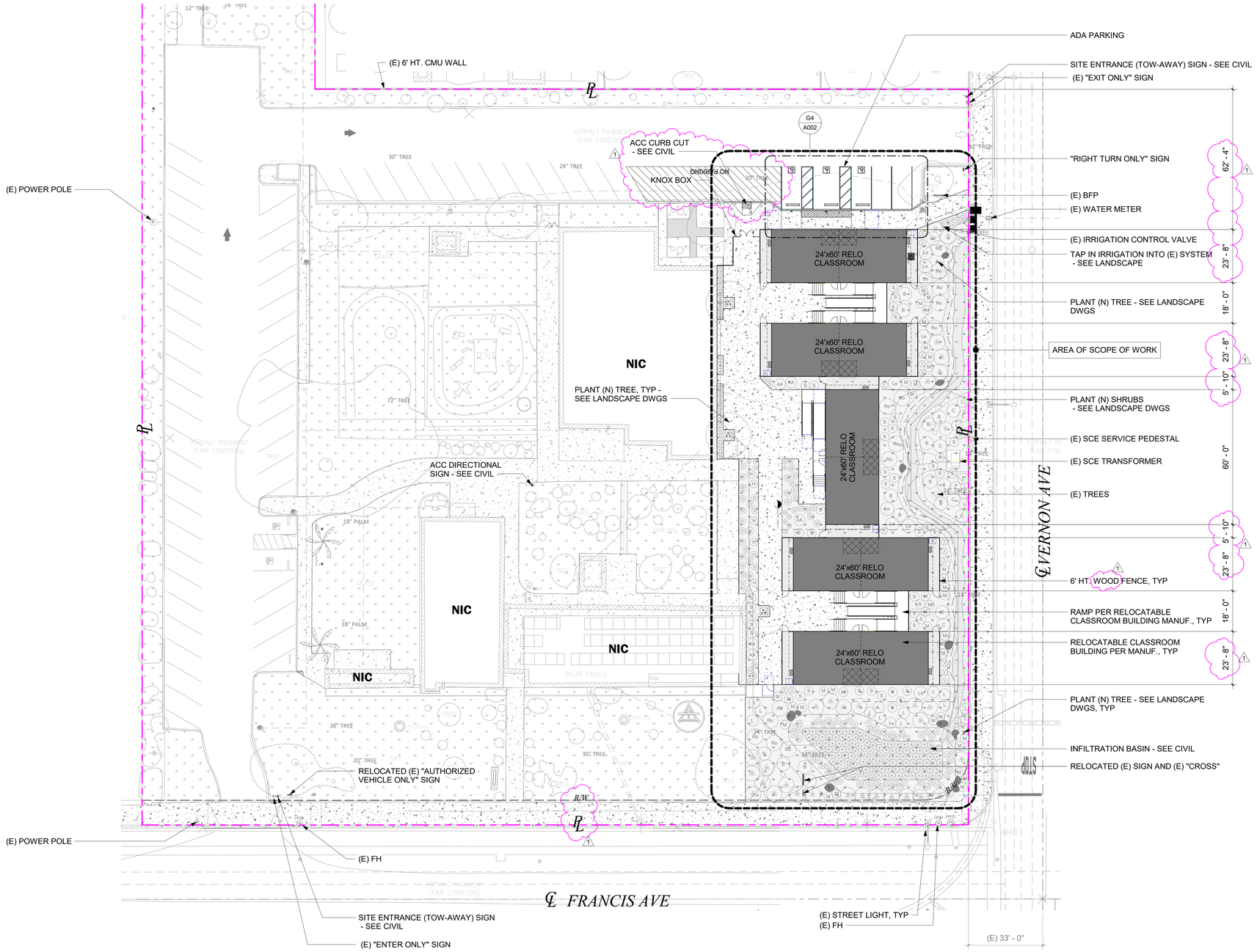
DEMOLITION SITE PLAN

AD001



SITE LEGEND

- NEW BUILDING
- EXISTING BUILDING
- CONCRETE PAVING
- AC PAVING
- EXISTING CONCRETE PAVING
- LANDSCAPING

SITE NOTES

1. FOR TYPICAL SYMBOLS AND ABBREVIATIONS, SEE SHEET G002
2. SEE A005 FOR FENCE AND GATES PLAN.

PROPOSED SITE PLAN C10
1" = 20'-0"

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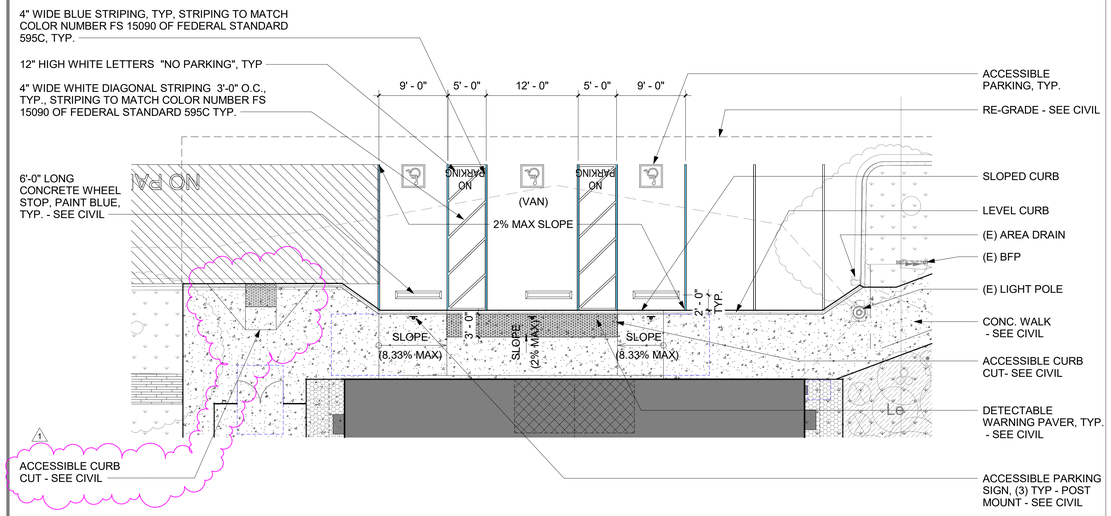
1 DRC REV 1	3/11/2026

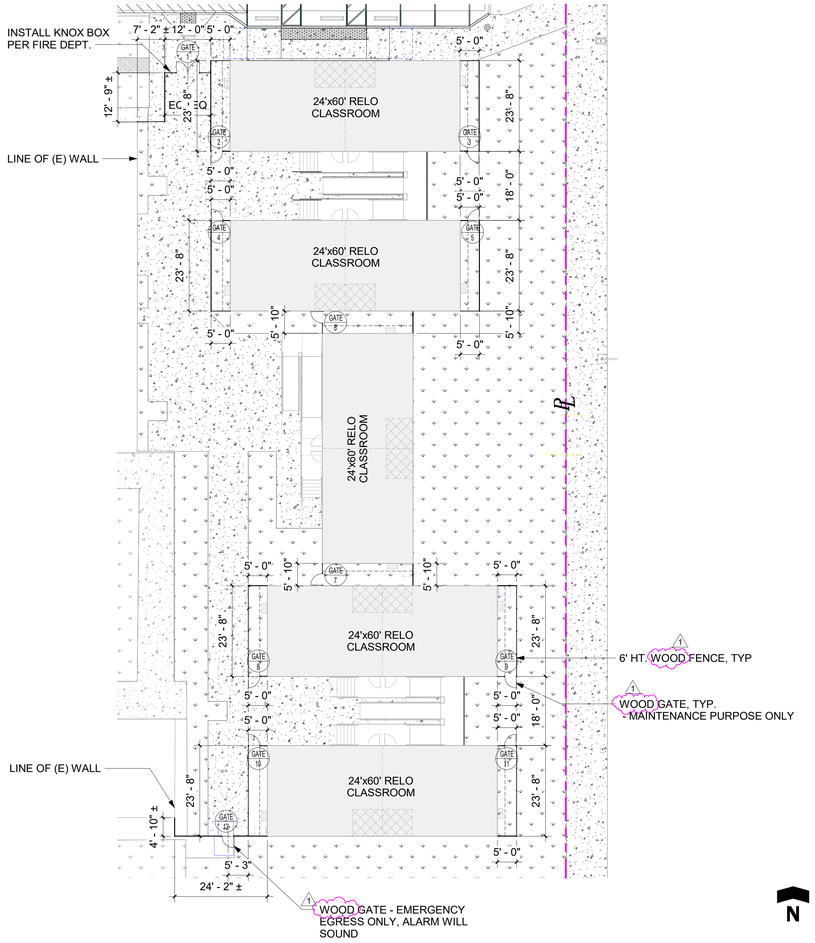
SITE PLAN

A001



ACCESSIBLE PARKING PLAN G4

1/8" = 1'-0"

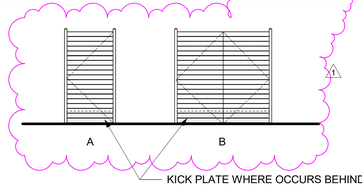


PROPOSED FENCE AND GATE PLAN A6

1/16" = 1'-0"

GATE SCHEDULE

GATE #	WIDTH	HEIGHT	TYPE	MAT.	FINISH	COMMENTS
1	6' - 0"	6' - 0"	B	WOOD	STAINED	ADA LEVER, KICK PLATE, SEE DETAILS
2	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
3	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
4	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
5	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
6	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
7	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
8	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
9	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
10	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
11	3' - 0"	6' - 0"	A	WOOD	STAINED	MAINTENANCE USE ONLY - PAD LOCK BY OWNER
12	3' - 0"	6' - 0"	A	WOOD	STAINED	EMERGENCY EGRESS ONLY - ALARM WILL SOUND, ADA LEVER, KICK PLATE



GATE SCHEDULE NOTES

GENERAL NOTES:

1. MAXIMUM EFFORT TO OPERATE EXTERIOR ACCESSIBLE GATE IS 5 LBS. ADJUST OPENING FORCE OF GATES TO 5 LB.
2. GATE LOCATIONS & CLEARANCES - SEE: SYMBOL G002
3. OPERABLE FLOOR HARDWARE PARTS SHALL BE POSITIONED AT MINIMUM OF 34" AND MAXIMUM OF 44" ABOVE THE FINISH FLOOR OR GROUND.
4. TYPICAL WOOD FENCE AND GATE, SEE: 1 - A005

GATE SCHEDULE LEGEND

MATERIAL

ALUM.	ALUMINUM
WD	WOOD
STL.	STEEL

FINISH

ST	STAINED
P-1	PAINT (SEMI-GLOSS)
P-2	PAINT (SEMI-GLOSS)

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SYCAMORE ACADEMY

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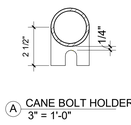
DATE	3/11/2026
1 DRC REV 1	3/11/2026

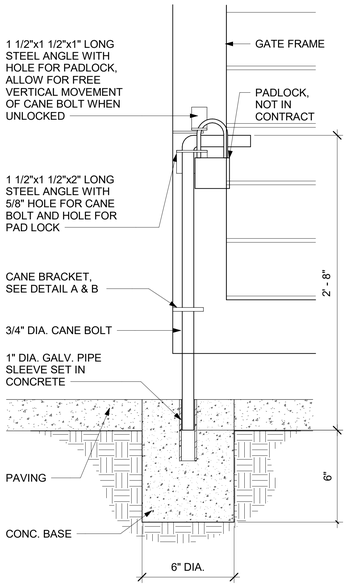
ENLARGED SITE PLANS

A002

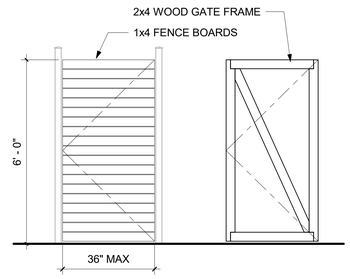


A CANE BOLT HOLDER
3" = 1'-0"

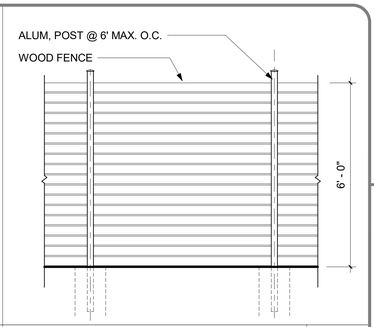
B CANE BOLT BRACKET
3" = 1'-0"



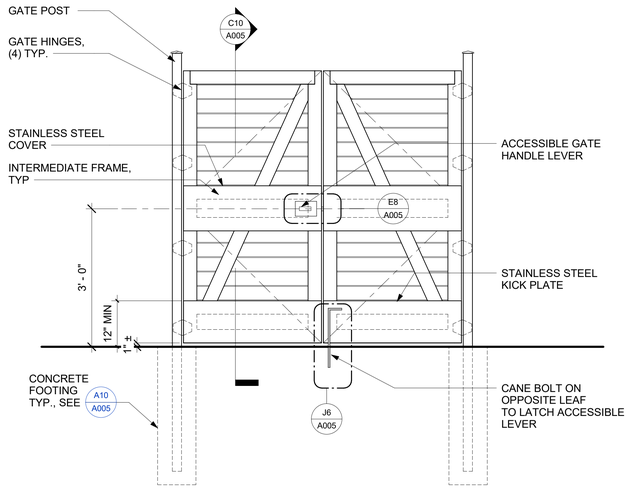
CANE BOLT - WOOD GATE J6
3" = 1'-0"



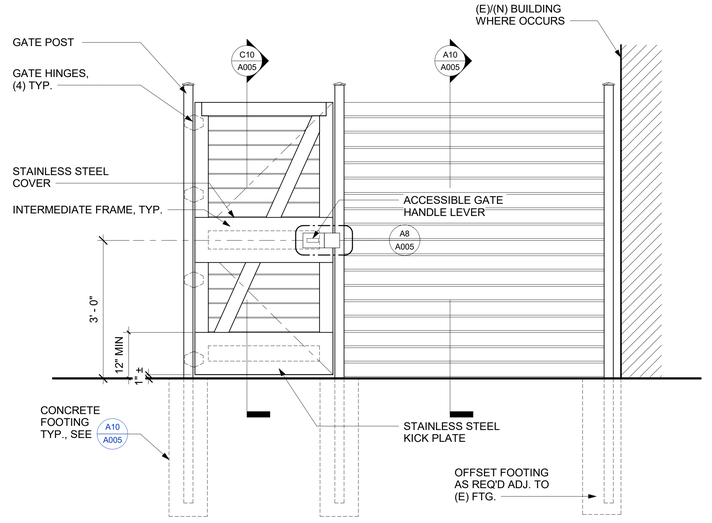
WOOD GATE ELEVATION C2
1/2" = 1'-0"



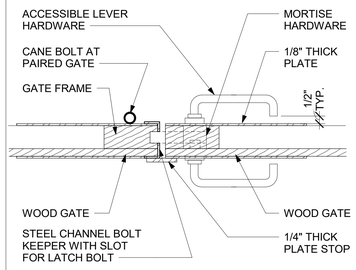
WOOD FENCE ELEVATION A2
1/2" = 1'-0"



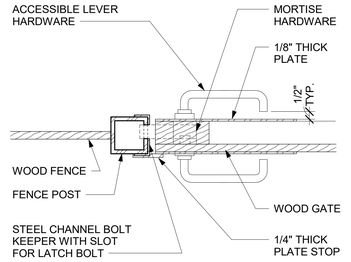
PEDESTRIAN WOOD GATE - PAIRED E6
3/4" = 1'-0"



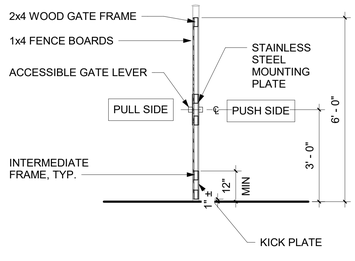
PEDESTRIAN WOOD GATE - SINGLE A6
3/4" = 1'-0"



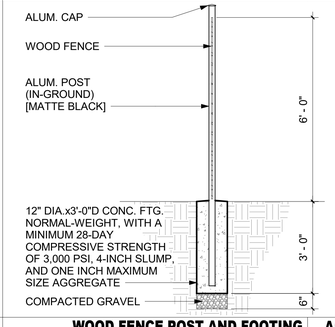
ACCESSIBLE GATE HARDWARE E8
PAIRED GATES
3" = 1'-0"



ACCESSIBLE GATE HARDWARE A8
SINGLE GATE
3" = 1'-0"



WOOD GATE SECTION C10
1/2" = 1'-0"



WOOD FENCE POST AND FOOTING A10
1/2" = 1'-0"

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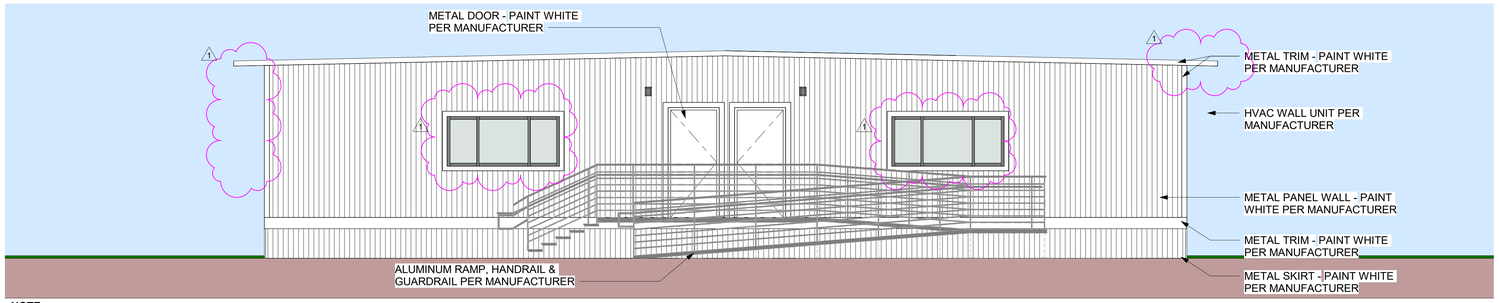
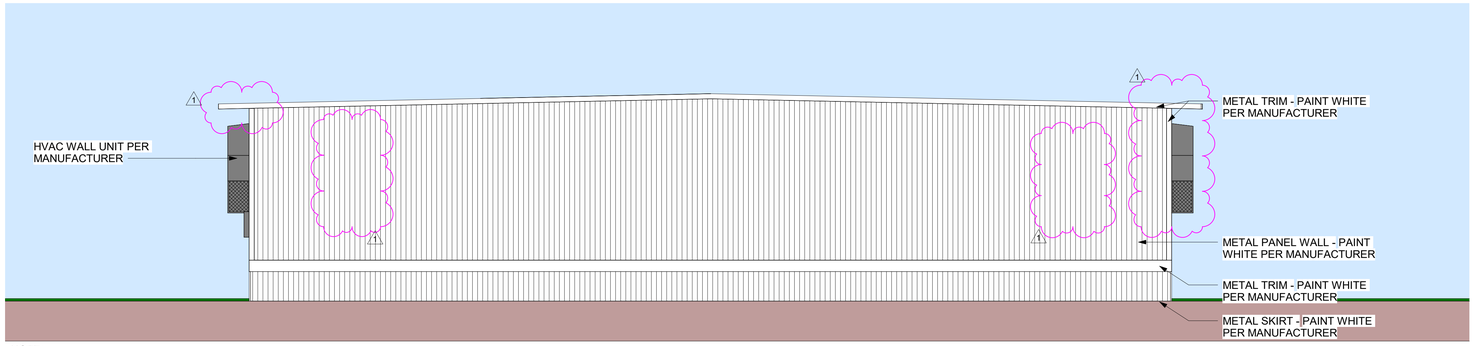
WOOD FENCE DETAILS

A005



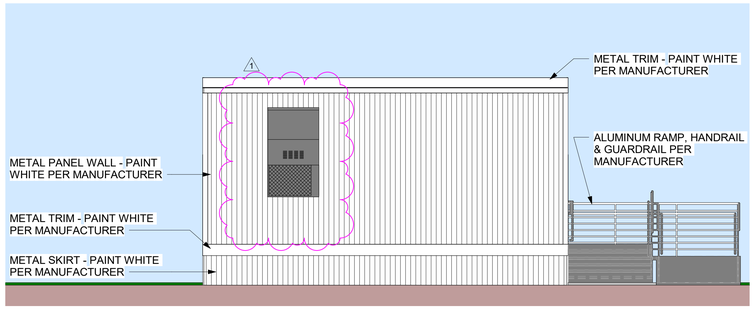
NOTE:
DIMENSIONS & OTHER MISCELLANEOUS INFORMATION -
REFER TO RELOCATABLE MANUFACTURER'S DRAWINGS.

RELO CLASSROOM - FRONT ELEVATION C2
1/4" = 1'-0"



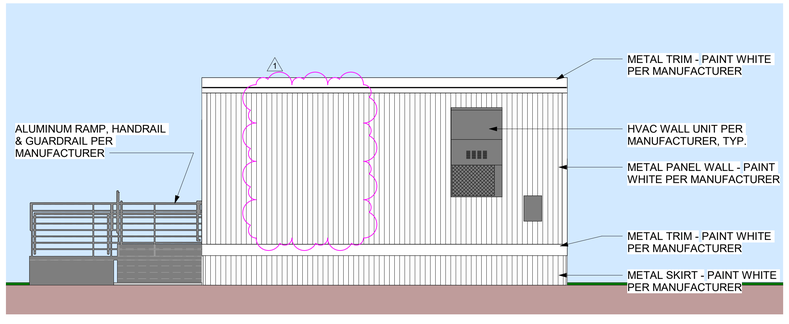
NOTE:
DIMENSIONS & OTHER MISCELLANEOUS INFORMATION -
REFER TO RELOCATABLE MANUFACTURER'S DRAWINGS.

RELO CLASSROOM - BACK ELEVATION C5
1/4" = 1'-0"



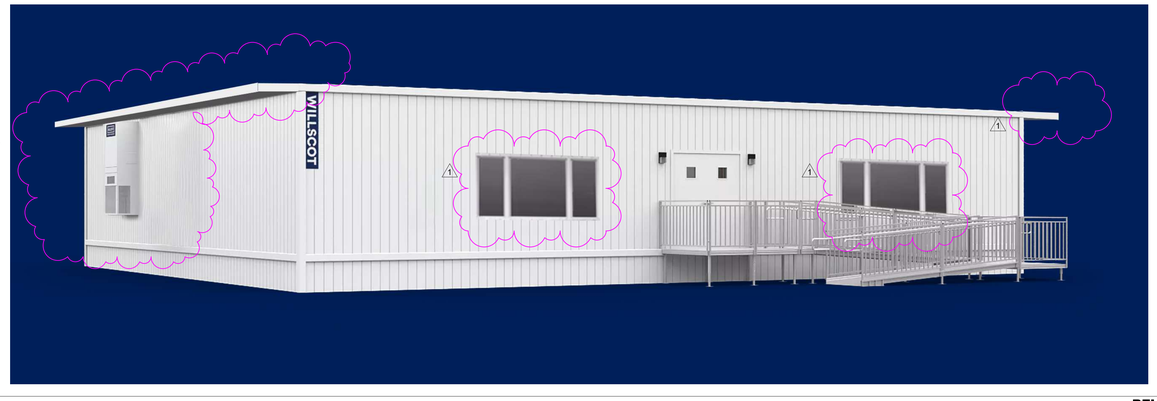
NOTE:
DIMENSIONS & OTHER MISCELLANEOUS INFORMATION -
REFER TO RELOCATABLE MANUFACTURER'S DRAWINGS.

RELO CLASSROOM - SIDE ELEVATION 1 H7
1/4" = 1'-0"



NOTE:
DIMENSIONS & OTHER MISCELLANEOUS INFORMATION -
REFER TO RELOCATABLE MANUFACTURER'S DRAWINGS.

RELO CLASSROOM - SIDE ELEVATION 2 C7
1/4" = 1'-0"



RELO CLASSROOM - COLOR RENDER EXAMPLE C10
1/2" = 1'-0"

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COLORED BUILDING ELEVATIONS

A201

ELECTRICAL SYMBOLS

- (A) PANEL DESIGNATION, LETTER IDENTIFIES THE PANEL.
- LIGHTING PANEL.
- DISTRIBUTION SWITCHBOARD.
- GROUND ROD IN GROUND YARD BOX.
- (J) JUNCTION BOX: MOUNTED IN CEILING SPACE OR ON CEILING IF NO CEILING SPACE.
- DOUBLE DUPLEX OUTLET: 125V., 20 AMP., NEMA 5-20R. +18" TO TOP OF BOX, U.O.N.
- TELEPHONE OUTLET: +48" A.F.F. WITH 2100 WIREMOLD VERTICAL RISER TO CEILING SPACE
- DATA JACK OUTLET IN 5" SQ. BOX WITH 1-GANG RING AND 2100 WIREMOLD VERTICAL RISER TO ACCESSIBLE CEILING SPACE. +18" A.F.F. U.O.N.
- (WAP) CEILING MOUNTED WIRELESS ACCESS POINT.
- WALL MOUNTED CLOCK/SPEAKER, MOUNT @ 80" TO 96" A.F.F. ON WALLS. MATCH TO EXISTING.
- WP EXTERIOR WALL MOUNTED SPEAKER.

C.O.	CONDUIT ONLY WITH #12 PULL WIRE	W.P.	WEATHERPROOF.
(E)	EXISTING.	(N)	NEW.
A.F.F.	ABOVE FINISHED FLOOR.	U.O.N.	UNLESS OTHERWISE NOTED.

PA/TEL TERMINAL CABINET 24"x24"x6" DEEP

WP DATA PULLBOX 24"x24"x6" DEEP

WP FIRE ALARM PULLBOX 12"x12"x6" DEEP

- CONDUIT: EXPOSED IN UNFINISHED AREAS; CONCEALED ABOVE CEILING OR IN WALL IN FINISHED AREAS.
- A-1,3,5 HOMERUN TO PANEL "A", CIRCUITS 1, 3, 5.
- CONDUIT: IN OR BELOW FLOOR OR BELOW GRADE.
- EXISTING CONDUIT.
- 3/4"C,2#12 & 1#12G
- 3/4"C,3#12 & 1#12G
- 3/4"C,4#12 & 1#12G
- 3/4"C,5#12 & 1#12G
- 3/4"C,6#12 & 1#12G
- 3/4"C,7#12 & 1#12G

CABLE TYPE

"A" CABLE - "WEST PENN" NO. 355, 2 PAIR #22.

"AW" CABLE - "WEST PENN" NO. AQC355, 2 PAIR #22 (FLOODED TYPE).

"BW" CABLE - "WEST PENN" NO. AQ293, 1 PAIR #18 SHIELDED - SPEAKER CABLE

"D" CABLE - 4 PAIR #24 UTP CATEGORY 6 CABLE, PLENUM TYPE.

"T" CABLE - 4 PAIR #24 UTP CATEGORY 6 CABLE, PLENUM TYPE.

"DFO" CABLE - 12 STRAND MULTIMODE 50UM FIBER OPTIC CABLE, FLOODED TYPE (UNDERGROUND).

"DW" CABLE - 4 PAIR #24 UTP CATEGORY 6 CABLE (FLOODED TYPE).

"TW" CABLE - 4 PAIR #24 UTP CATEGORY 6 CABLE (FLOODED TYPE).

DATA/COMPUTER CABLE AND WIRING
(CONDUITS CONCEALED ON WALLS AND EXPOSED ABOVE T-BAR CEILING)

- 1D — ONE "D" CABLE.
- 2D — TWO "D" CABLES.
- 3D — THREE "D" CABLES.
- 4D — FOUR "D" CABLES.
- 5D — FIVE "D" CABLES.
- 6D — SIX "D" CABLES.
- 7D — SEVEN "D" CABLES.
- 8D — EIGHT "D" CABLES.
- 9D — NINE "D" CABLES.
- 11D — ELEVEN "D" CABLES.
- 12D — TWELVE "D" CABLES.

PA/TEL CABLE AND WIRING
(CONDUITS CONCEALED ON WALLS AND EXPOSED ABOVE T-BAR CEILING)

- 1T — ONE "T" CABLE.
- 2T — TWO "T" CABLES.
- 3T — THREE "T" CABLES.
- 4T — FOUR "T" CABLES.
- 5T — FIVE "T" CABLES.
- 1T,1B — ONE "T" & ONE "B" CABLE.

GENERAL NOTES

1. INCLUDE ALL ELECTRICAL DEMOLITION AS PART OF THIS CONTRACT. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF WALL REMOVALS. CEILING CHANGES AND ALL OTHER SIMILAR WORK. ELECTRICAL DEMOLITION SHALL INCLUDE DISCONNECTION AND REMOVAL OF AFFECTED LIGHTS, OUTLETS AND ALL OTHER ELECTRICAL DEVICES. REMOVE AND PLUG OR CAP ALL AFFECTED CONDUITS. REMOVE WIRES. IF REMOVED OUTLETS AFFECT DOWNSTREAM ACTIVE OUTLETS. PROVIDE ALL WORK NECESSARY TO REROUTE AND RECONNECT AFFECTED CIRCUITS.
2. ALL EXPOSED CONDUITS AND BOXES AT INTERIOR OR EXTERIOR OF THE BUILDING SHALL BE PAINTED TO MATCH THE SURFACES WHERE INSTALLED. VERIFY ALL PAINT COLOR SELECTIONS WITH ARCHITECT PRIOR TO APPLICATION.
3. DISPOSE OF ALL EQUIPMENT AND MATERIAL AND REMOVE FROM SITE. EQUIPMENT WITH SALVAGE VALUE AS DETERMINED BY THE DISTRICT SHALL BE DELIVERED TO THE DISTRICT'S DESIGNATED WAREHOUSE.
4. COORDINATE THE ELECTRICAL WORK WITH THE WORK OF OTHER TRADES.
5. ALL TRENCHES OUTSIDE OF THE BARRICADE LIMITS SHALL BE BACKFILLED AND PAVED NOT LATER THAN 72 HOURS AFTER BEING OPENED. DURING THE TIME THE TRENCHES ARE OPEN IN TRAFFIC AREAS, THE CONTRACTOR SHALL PROVIDE TRAFFIC PLATES.
6. WHERE EXISTING STRUCTURAL WALLS ARE CORED FOR NEW CONDUIT RUNS, SEPARATION BETWEEN CORED HOLES SHALL BE THREE INCHES FROM NEW OR EXISTING HOLES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
7. THE REPRESENTATION OF PHYSICAL PLACEMENT OF EXISTING CONDUITS HAS BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE FROM THE DISTRICT AT THE TIME THE DRAWINGS WERE PREPARED. THE DISTRICT PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BIDDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLIED, THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THIS DISCLAIMER AFFECTS IN ANY WAY THE DUTY OF THE CONTRACTOR TO FURNISH ACCURATE "AS BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.
8. PROVIDE GROUND WIRES IN ALL FEEDERS AND BRANCH CIRCUITS.
9. ALL UNDERGROUND CONDUITS SHALL BE ENTIRELY ENCASED IN CONCRETE 3" THICK ON ALL SIDES WITH MULTIPLE CONDUITS SPACED NOT LESS THAN 1-1/2" APART. MINIMUM DEPTH OF NOT LESS THAN 27" BELOW FINISHED GRADE TO THE TOP OF CONCRETE ENVELOPE.
10. IN EXISTING BUILDINGS, CONTRACTORS SHALL NOT WORK IN AREAS CONTAMINATED BY MATERIALS MADE OF ASBESTOS UNTIL THE ASBESTOS MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED.
11. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
12. WHEN TRENCHING FOR NEW UNDERGROUND CONDUIT, EXERCISE EXTREME CARE TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED LINES.
13. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED ON THE DRAWINGS OR APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND DSA FIELD ENGINEER.
14. INCLUDE ALL NECESSARY DEMOLITION AS PART OF THIS WORK.
15. IN FINISHED AREAS INSTALL ALL CONDUITS CONCEALED IN WALL OR IN ATTIC SPACE. IF EXPOSED CONDUIT CANNOT BE AVOIDED IN FINISHED AREA, USE "WIREMOLD" TYPE RACEWAYS AND BOXES. THIS REQUIREMENT SHALL APPLY WHETHER OR NOT WIREMOLD RACEWAY ARE INDICATED ON DRAWINGS.
16. DO NOT RUN "WIREMOLD" RACEWAYS ON CEILING WITH GLUE-ON ACOUSTIC TILES. RUN RACEWAYS ON WALLS.
17. QUANTITY OF WIRES SHOWN IN ALL CONDUITS IS FOR GENERAL GUIDELINE. SUPPLIER OF FIRE ALARM SYSTEM SHALL PREPARE CONSTRUCTION DRAWINGS SHOWING ALL NECESSARY WIRES AND CABLES AND VERIFY SIZES OF ALL CONDUITS SHOWN. PROVIDE ALL SPARE WIRES BETWEEN BUILDINGS.
18. DRAWINGS DO NOT SHOW ALL THE NECESSARY J-BOXES AND PULL BOXES WHICH WILL BE REQUIRED THROUGHOUT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL THESE BOXES AS NECESSARY TO TERMINATE CONDUITS AND RACEWAYS. PAINT BOXES TO MATCH COLOR OF THE FINISHED SURFACE WHERE THE BOXES ARE ATTACHED.
19. ALL JUNCTION BOXES INDICATED ON BUILDING EXTERIORS SHALL BE WEATHERPROOF TYPE.
20. FIRE ALARM WIRES SHALL BE COPPER TYPE THWN/THHN.
21. ALL SIGNAL WIRING IN UNDERGROUND CONDUITS SHALL BE WET LOCATION TYPE.
22. ALL DEMOLISHED ELECTRICAL EQUIPMENT & DEVICES WITH SALVAGE VALUE AS DETERMINED BY THE DISTRICT SHALL BE DELIVERED TO DISTRICT WAREHOUSE WITHOUT EXTRA COST TO THE DISTRICT.
23. "UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES, OR WITH OAR TO COORDINATE FOR INTER-CONNECTION OF THE FIRE ALARM SYSTEM WITH OTHER BUILDINGS, SYSTEMS, OR EQUIPMENT. ONCE ALL FUNCTIONS INDICATED IN THE FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS HAVE BEEN VERIFIED THROUGH TESTING BY THE INSTALLING CONTRACTOR, AND ACCEPTANCE TEST MUST BE PERFORMED IN THE PRESENCE OF THE AUTHORITIES HAVING JURISDICTION, OWNER AUTHORIZED REPRESENTATIVE, FIRE MARSHALL, AND DSA INSPECTOR. THE ACCEPTANCE TEST MUST SUCCESSFULLY DEMONSTRATE ALL FUNCTIONS REQUIRED IN THE CONTRACT."
24. "SPECIFIC COMPONENTS ON CATALOG CUT SHEETS MUST BE HIGHLIGHTED, OR IDENTIFIED."
25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL INTERMEDIATE BOXES ALONG CONDUIT RUNS AS NECESSARY TO TERMINATE CONDUITS AND RACEWAYS. PROVIDE ACCESS PANELS TO CONCEALED BOXES ABOVE HARD PLASTER CEILING. PAINT BOXES TO MATCH COLOR OF THE FINISHED SURFACE THAT THE BOXES ARE ATTACHED TO THE BUILDINGS. CONCEALED BOXES MAY NOT BE PAINTED.
26. ALL COVER PLATES FOR LIGHTING, POWER AND SIGNAL OUTLETS SHALL BE STAINLESS STEEL.
27. USE PLENUM RATED CABLES WHEN INSTALLING EXPOSED LOW VOLTAGE CABLE IN PLENUM RATED CEILING.
28. PROVIDE EXPANSION/DEFLECTION FITTINGS WHEN RUNNING CONDUITS BETWEEN SEISMIC JOINTS OR BETWEEN TWO BUILDINGS/STRUCTURE WHETHER SHOWN ON DRAWINGS OR NOT.
29. WHEREVER POSSIBLE, CONCEAL NEW CONDUITS AND BOXES IN CEILING, ATTIC SPACE OR WALLS. FISH CONDUITS INSIDE OF STUD WALLS WHERE POSSIBLE. WHERE EXPOSED RACEWAYS AND BOXES HAVE TO BE USED IN FINISHED AREAS, USE "WIREMOLD" TYPE SURFACE RACEWAYS AND BOXES AND PAINT TO MATCH WALLS.
30. VERIFY CONDUIT STUB UP AREAS OUTSIDE ALL BUILDINGS AND STUB UP AT BEST AREAS TO AVOID EXISTING WINDOWS, VENTS, ETC.
31. REPLACE ALL DAMAGE CEILING TILE DUE TO NEW POWER & SIGNAL INSTALLATION AT RELO BUILDINGS. MATCH EXISTING TILE AND FINISH.
32. PROVIDE STAINLESS STEEL COVER PLATES TO ALL RECESS BOXES THAT ARE NOT BEING USE.
33. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
34. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
35. MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
36. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
37. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.
38. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
39. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

CODES, STANDARDS & GUIDES

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2023

2025 California Administrative Code (CAC), Part 1, Title 24 CCR*
2025 California Building Code (CBC), Part 2, Title 24 CCR
(2021 International Building Code, Vol. 1 & 2, and 2025 California amendments)
2025 California Electrical Code (CEC), Part 3, Title 24 CCR
(2020 National Electrical Code and 2019 California Amendments)
2025 California Mechanical Code (CMC), Part 4, Title 24 CCR
(2021 IAPMO Uniform Mechanical Code and 2025 California amendments)
2025 California Plumbing Code (CPC), Part 5, Title 24 CCR
(2021 IAPMO Uniform Plumbing Code and 2025 California amendments)
2025 California Energy Code (CEC), Part 6, Title 24 CCR
2025 California Fire Code (CFC), Part 9, Title 24 CCR
(2021 International Fire Code and 2025 California Amendments)
2025 California Existing Building Code (CEBC), Part 10, Title 24 CCR
(2021 International Existing Building Code and 2025 California Amendments)
2025 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR
2025 California Referenced Standards Code, Part 12, Title 24 CCR
Title 19 CCR, Public Safety, State Fire Marshal Regulations
2016 ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators *(per 2025 CBC Part 2 Ch 35)*
Note: Cal/OSHA Elevator Unit enforces CCR Title 8 and uses the 2004 ASME A17.1 by adoption

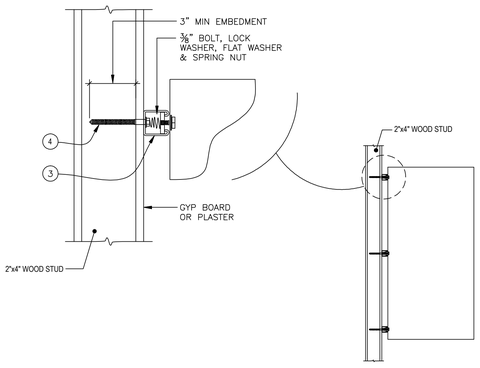
PARTIAL LIST OF APPLICABLE STANDARDS

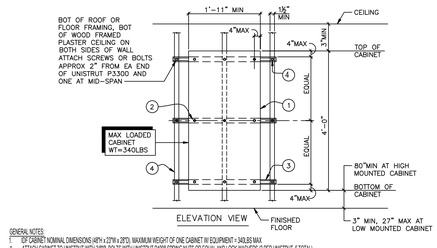
NFPA 13 - Standard for the Installation of Sprinkler Systems (CA amended).....2025 Edition
NFPA 14 - Standard for the Installation of Standpipe and Hose Systems (CA amended)....2025 Edition
NFPA 17 - Standard for Dry Chemical Extinguishing Systems.....2025 Edition
NFPA 17A - Standard for Wet Chemical Extinguishing Systems.....2025 Edition
NFPA 20 - Standard for the Installation of Stationary Pumps for Fire Protection.....2025 Edition
NFPA 22 - Standard for Water Tanks for Private Fire Protection.....2025 Edition
NFPA 24 - Standard for the Installation of Private Fire Service Mains and Their Appurtenances (CA amended).....2025 Edition
NFPA 72 - National Fire Alarm and Signaling Code (CA amended).....2025 Edition
NFPA 80 - Standard for Fire Doors and Other Opening Protectives.....2025 Edition
NFPA 2001 - Standard on Clean Agent Fire Extinguishing Systems (CA amended).....2025 Edition
UL 300 - Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment.....2025 (R2010)
UL 464 - Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories.....2025 Edition
UL 521 - Standard for Heat Detectors for Fire Protective Signaling Systems.....2025 Edition
UL 1971 - Standard for Signaling Devices for the Hearing Impaired.....2025 (R2010)
ICC 300 - Standard for Bleachers, Folding and Telescopic Seating, and Grandstands.....2025 Edition

For a complete list of applicable NFPA standards refer to 2025 CBC (SFM) Chapter 35 and California Fire Code Chapter 80.

See California Building Code Chapter 35 for State of California amendments to the NFPA Standards.

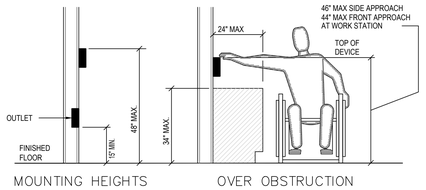
*All parts of the 2025 California Building Code become effective January 1, 2023





GENERAL NOTES:
1. CP CABINET NOMINAL DIMENSIONS HEIGHT x 22"W x 20"D, MAXIMUM WEIGHT OF ONE CABINET W EQUIPMENT = 340LBS MAX.
2. ATTACH CABINET TO UNISTRUT WITH 3/8"Ø BOLTS WITH UNISTRUT P4008 SPRING NUTS OR EQUAL AND LOCK WASHERS (2 PER UNISTRUT, 8 TOTAL)
3. UNISTRUT P3300 UNPUNCHED (3 TOTAL). LENGTH TO COVER A MINIMUM OF 3 STUDS.
4. 3/8"Ø LAG SCREW, 3 PER UNISTRUT (9 TOTAL) CENTERED ON STUD WIDTH

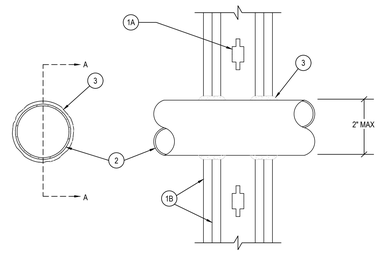
3 / E101 — ## IDF CABINET WALL MOUNTING DETAIL
N.T.S.



1 / E101 — ## MOUNTING HEIGHTS
N.T.S.

TYPICAL MOUNTING HEIGHTS ABOVE FINISHED FLOOR (UNLESS OTHERWISE NOTED ON DRAWINGS)

+48" TO TOP OF BOX	LIGHT SWITCHES, DIMMER SWITCHES, FIRE ALARM PULL STATION, DUCT DETECTOR TEST PANEL, INTERCOM CALL SWITCH, SPEAKER VOLUME CONTROL, T-STATS, BY-PASS TIMER, WALL TELEPHONE.
+15" TO BOTTOM OF BOX	ALL DUPLEX RECEPTACLES, WALL OUTLET FOR DESK TELEPHONE, COMPUTER OUTLET, UNLESS OTHERWISE NOTED.



SECTION A-A

2 / E101 — ## THROUGH - PENETRATION FIRESTOP SYSTEM

System No. W-L-1001
June 15, 2005
F Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings - 0, 1, 2, 3 and 4 Hr (See Item 3)
L Rating At Ambient - less than 1 CFM/sq ft
L Rating At 400 F - less than 1 CFM/sq ft

1. Wall Assembly - The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs - Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* - Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm).
2. Through Penetrant - One Metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipe, conduits or tubing may be used:
   A. Steel Pipe - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe - Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.
   C. Conduit - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
   D. Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
   F. Through Penetrating Product* - Flexible Metal Piping - The following types of steel flexible metal gas piping may be used:
      1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
         OMEGA FLEX INC
      2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
         TITEFLEX CORP
         A BUNDY CO
      3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
         WARD MFG INC
3. Fill, Void or Cavity Material* - Caulk or Sealant - Min 5/8, 1-1/4,1-7/8 and 2-1/2in. (16, 32, 48, and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the fire stop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following tables. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit Diam In. (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+ When copper pipe is used, T Rating is 0 hr.
3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant.
* Bearing the UL Classification Marking

Applicable Code: 2022 CBC

MEP Component Anchorage Note

All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA-approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2022 CBC Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26, and 30:

1. All permanent equipment and components.
2. Temporary, movable or mobile equipment that is permanently attached (e.g., hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
3. Temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.

The following mechanical and electrical components shall be positively attached to the structure but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:

A. Components weighing less than 400 pounds and having a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

Applicable Code: 2022 CBC

Piping, Ductwork, and Electrical Distribution System Bracing Note

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8; and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., HCAI OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

MP☐ MD☐ PP☐ E☑ Option 1: Detailed on the approved drawings with project specific notes and details.

MP☐ MD☐ PP☐ E☐ Option 2: Shall comply with HCAI Preapproval (OPM #) #_____.

DESIGN PROFESSIONAL USER NOTE (do not copy this 'user note' to the plans):
Mechanical/Plumbing/Electrical Design Professionals: Identify which option(s) apply for your project. If the first option is chosen, provide project specific details, consistent with the supporting structural support framing materials, showing support and bracing; clearly indicate the supports and bracing for all applicable systems. For the second option, specify the OPM # (for 2013 CBC or later) applicable to the conditions of the project. Coordinate with the SEOR to verify the adequacy of the structure to support all hanger and brace loads.

Satoh Brothers International, Inc.
19750 S. VERMONT AVE. SUITE 100 TORRANCE, CA 90502
TEL 310.768.2700 FAX 310.532.8878 www.satohbrothers.com

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REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL — E21979 Exp. 09/30/27 — STATE OF CALIFORNIA

PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y26-001
info@pacificeng.net

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS
SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

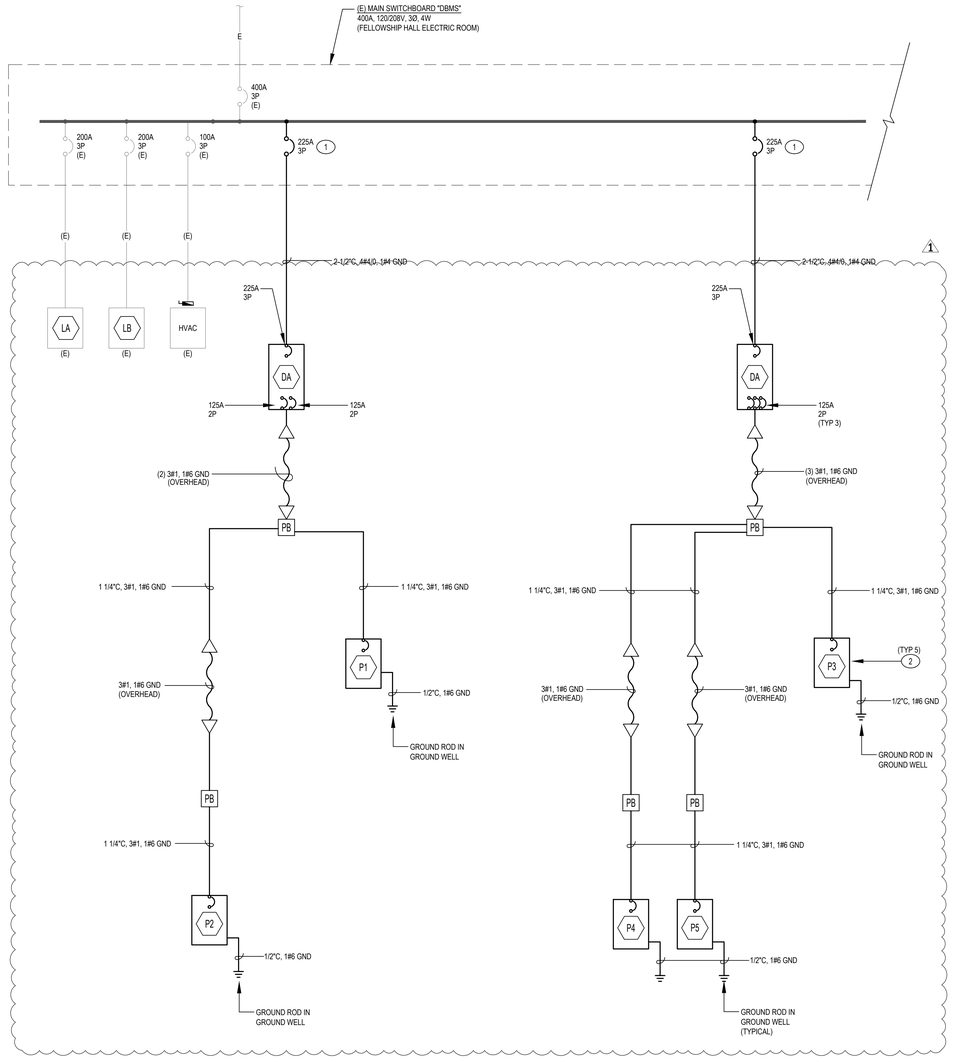
JOB NO.	2530SAC-D
PM	-
DATE	1/29/2026
1 DRC REV 1	3/9/2026

SYMBOL LIST, NOTES, CODES & DETAILS

E101

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	FINISH	LED	DRIVER	WATTAGE	MANUFACTURER & PART NUMBER	REMARKS
X01	EXTERIOR WALL SCONCE FULL CUTOFF	STANDARD FINISH	1 -67.2W LED 4K	INTERNAL OCCUPANCY DAYLIGHT SENSOR	67.2	BEACON - RWL2-160L-65-4K7-4F-VOLT-FINISH-SCP	EXTERIOR WALL
X01A	EXTERIOR WALL SCONCE FULL CUTOFF	STANDARD FINISH	1 - 46.5W LED 4K	INTERNAL OCCUPANCY DAYLIGHT SENSOR	46.5	BEACON - RWL2-48L-45-4K7-4F-VOLT-FINISH-SCP	EXTERIOR WALL
X01B	EXTERIOR WALL SCONCE FULL CUTOFF	STANDARD FINISH	1 - 46.5W LED 4K	INTERNAL OCCUPANCY DAYLIGHT SENSOR	46.5	BEACON - RWL2-48L-45-4K7-4W-VOLT-FINISH-SCP	EXTERIOR WALL
X01C	EXTERIOR WALL SCONCE FULL CUTOFF	STANDARD FINISH	1 - 46.5W LED 4K	INTERNAL OCCUPANCY DAYLIGHT SENSOR	46.5	BEACON - RWL2-48L-45-4K7-3-VOLT-FINISH-SCP	EXTERIOR WALL



SINGLE LINE DIAGRAM
N.T.S.

120/208 VOLTS — 3 PHASE — 4 WIRE — PANEL **DA** — LOCATION: EXTERIOR RELO, NEMA-3R ENCL. — MAIN BKR: 225 AMPS 3 POLE — ENTER CAB'T. AT: TOP — 225 A. BUSSING — SURFACE MTG.

LOCATION	WATTAGE PH. A	WATTAGE PH. B	WATTAGE PH. C	LTG	REC	M/S	CIR	DWG		DWG	CIR	M/S	REC	LTG	WATTAGE PH. A	WATTAGE PH. B	WATTAGE PH. C	LOCATION
PANEL P1	8320					1	1	125-2		25-1	2							SPARE
-----		8320					3	-----		125-2	4	1				8320		PANEL P2
SPARE							5	29-1		25-1	6						8320	-----
SPARE							7	29"		25-1	8							SPARE
SPARE							9	29-1		25-1	10							SPARE
SPARE							11	29-1		25-1	12							SPARE
SPACE							13	9PC		SPC	14							SPACE
SPACE							15	9PC		SPC	16							SPACE
SPACE							17	9PC		SPC	18							SPACE
SPACE							19	9PC		SPC	20							SPACE
SPACE							21	9PC		SPC	22							SPACE
SPACE							23	9PC		SPC	24							SPACE
SPACE							25	9PC		SPC	26							SPACE
SPACE							27	9PC		SPC	28							SPACE
SPACE							29	9PC		SPC	30							SPACE

PH. A= 8320 VA — PH. B= 16640 VA — PH. C= 8320 VA

TOTAL CONNECTED LOAD: 33280 VA OR 92.44 AMPS @ 120/208 VOLTS — 3 Ø

LCL: 0 VA x 125% = 0 VA

FDL: 33280 VA + 0 VA (LCL) = 33280 VA OR 92.44

NOTE: PROVIDE TIE BARS DISCONNECTING MEANS TO CIRCUIT BREAKERS SERVING MULTI-WIRE CIRCUITS (SHARED NEUTRAL CONDUCTOR)

120/208 VOLTS — 3 PHASE — 4 WIRE — PANEL **DB** — LOCATION: EXTERIOR RELO, NEMA-3R ENCL. — MAIN BKR: 225 AMPS 3 POLE — ENTER CAB'T. AT: TOP — 225 A. BUSSING — SURFACE MTG.

LOCATION	WATTAGE PH. A	WATTAGE PH. B	WATTAGE PH. C	LTG	REC	M/S	CIR	DWG		DWG	CIR	M/S	REC	LTG	WATTAGE PH. A	WATTAGE PH. B	WATTAGE PH. C	LOCATION
PANEL P3	8320					1	1	125-2		25-1	2							SPARE
-----		8320					3	-----		125-2	4	1				8320		PANEL P4
PANEL P4			8320			1	5	125-2		-----	6						8320	-----
-----	8320						7	-----		25-1	8							SPARE
SPARE							9	29-1		25-1	10							SPARE
SPARE							11	29-1		25-1	12							SPARE
SPACE							13	9PC		25-1	14							SPARE
SPACE							15	9PC		25-1	16							SPARE
SPACE							17	9PC		SPC	18							SPACE
SPACE							19	9PC		SPC	20							SPACE
SPACE							21	9PC		SPC	22							SPACE
SPACE							23	9PC		SPC	24							SPACE
SPACE							25	9PC		SPC	26							SPACE
SPACE							27	9PC		SPC	28							SPACE
SPACE							29	9PC		SPC	30							SPACE

PH. A= 16640 VA — PH. B= 16640 VA — PH. C= 16640 VA

TOTAL CONNECTED LOAD: 49920 VA OR 138.7 AMPS @ 120/208 VOLTS — 3 Ø

LCL: 0 VA x 125% = 0 VA

FDL: 49920 VA + 0 VA (LCL) = 49920 VA OR 138.7

NOTE: PROVIDE TIE BARS DISCONNECTING MEANS TO CIRCUIT BREAKERS SERVING MULTI-WIRE CIRCUITS (SHARED NEUTRAL CONDUCTOR)

1

MAIN SWITCHBOARD "MS" LOAD CALCULATIONS

DESCRIPTION	CONNECTED LOAD (KVA)	AMPS CONNECTED	REMARKS
MAIN SWITCHBOARD "MS"	31.9	60.8	MAXIMUM KILOWATT DEMAND FOR THE PAST 12 MOS. PER POWER CO. IS 14KW ON AUGUST 10, 2025 AND SEPTEMBER 21, 2025. @ 125% AND 0.80 POWER FACTOR
DISTRIBUTION PANEL "DA"	33.3	92.4	
DISTRIBUTION PANEL "DB"	49.9	138.7	
TOTAL LOAD	115.1	319.7	ELECTRICAL SERVICE IS 400A 208/120V 3Ø 4W THEREFORE ADDITIONAL ELECTRICAL LOAD IS ACCEPTABLE

GENERAL NOTES

1. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.
2. ALL CONDUITS INSIDE THE BUILDING SHALL BE CONCEALED IN ATTAIC SPACE
3. CONDUITS RUNS ARE DIAGRAMMATIC. PROVIDE PULLBOX(ES) TO COMPLY WITH NEC.
4. ALL CONDUIT RUNS ON EXTERIOR OF BUILDINGS SHALL BE EQUIPPED WITH SEISMIC SUPPORT APPROVED HARDWARE. PAINT TO MATCH EXISTING SURFACE.
5. ALL OVERHEAD CONDUCTORS SHALL BE SER TYPE OR EQUAL.

KEYED NOTES

(1) PROVIDE (1) 200 AMP, 3 POLE, 208V CIRCUIT BREAKER WITH COMPLETE MOUNTING ACCESSORY. MATCH EXISTING TYPE AND A.I.C. RATING.

(2) BY PORTABLE MANUFACTURER.

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19750 S. VERMONT AVE. SUITE 100 TORRANCE, CA 90502
TEL 310.768.2700 FAX 310.532.8878 www.satohbrothers.com

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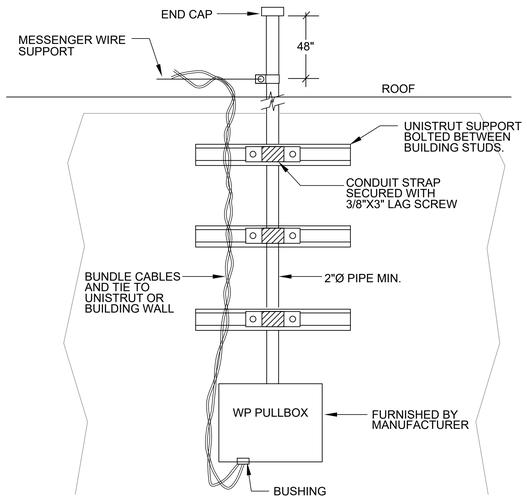
PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y26-001
info@pacificeng.net

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS
SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

JOB NO.	2530SAC-D
PM	-
DATE	1/29/2026
1 DRC REV 1	3/9/2026

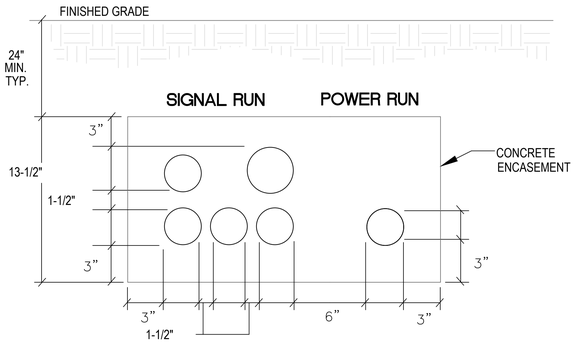
LIGHTING FIXTURE SCHEDULE, SINGLE LINE DIAGRAM & ELECTRICAL DETAILS

E102



1 E103 PIPE SUPPORT/MASTDETAIL (SIGNAL/FA)

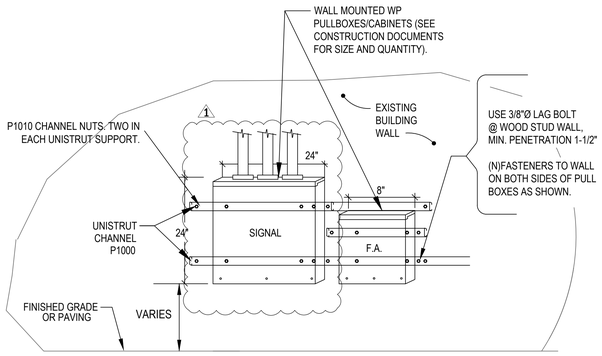
N.T.S.



3 E103 CONDUIT DUCT BANK SECTION

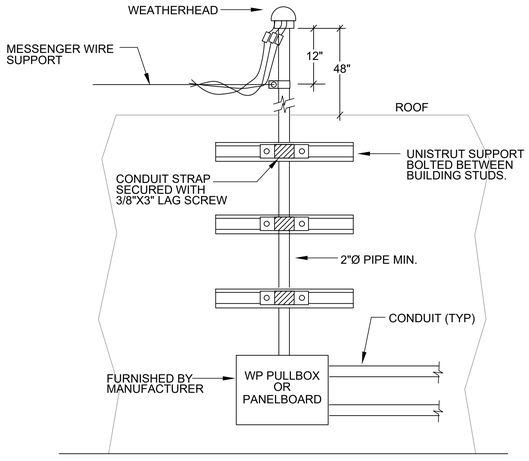
N.T.S.

NOTE: DETAILS SHOWS TYPICAL CONDUIT SPACING AND DEPTH ONLY. REFER TO DRAWINGS FOR EXACT QUANTITY AND SIZES OF CONDUITS. IN PAVED AREAS, BACKFILL WITH SLURRY.



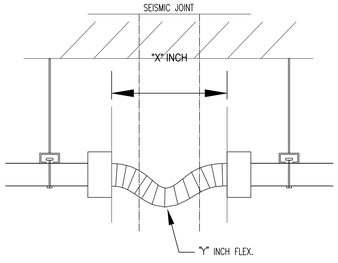
2 E103 POWER/COMMUNICATION JUNCTION BOXES/CABINETS DETAIL

N.T.S.



2 E103 WEATHERHEAD/MAST DETAIL (POWER)

N.T.S.

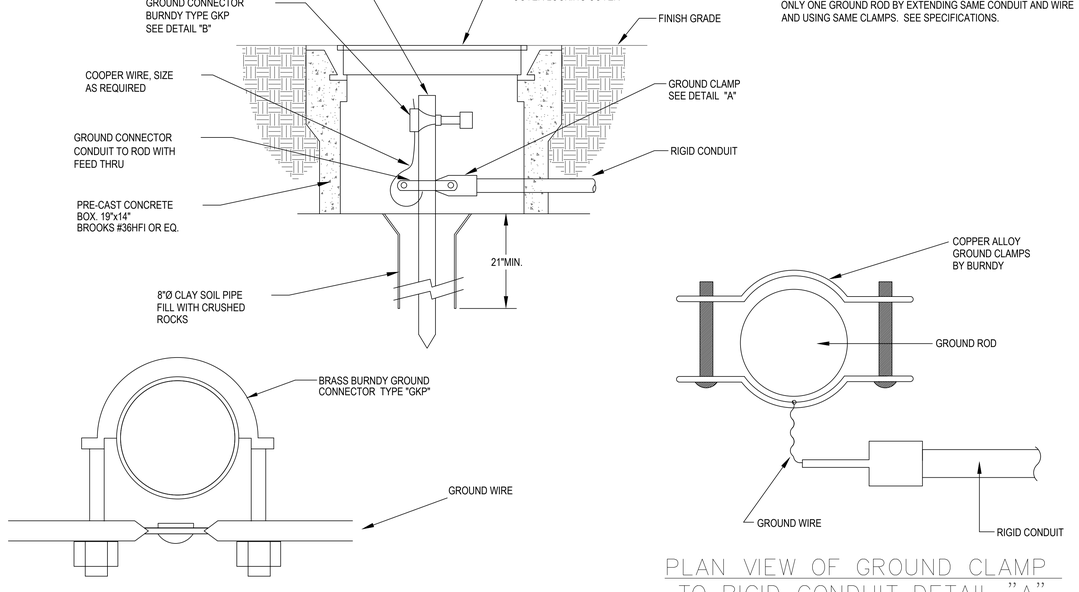


CONDUIT SIZE	"X" SPACE	"Y" FLEX. LENGTH
3/4" – 1-1/4"	54"	+60"
1-1/2" – 2-1/2"	60"	+66"
2" – 2-1/2"	66"	+72"
3" – 3-1/2"	78"	+87"

2 E103 CONDUIT RUN BETWEEN SEISMIC/EXPANSION JOINT OR DIFFERENT STRUCTURE

N.T.S.

NOTE: SEISMIC JOINT OCCURS BETWEEN GRIDS 27 * 3. SEE ROOF PLANS.
SEISMIC JOINT OCCURS BETWEEN PORTABLE BUILDINGS.



NOTE: PROVIDE ONE ADDITIONAL GROUND ROD IN CONCRETE BOX AT 6 FT AWAY AS NEEDED IF 5 OHM REQUIREMENT IS NOT MET WITH ONLY ONE GROUND ROD BY EXTENDING SAME CONDUIT AND WIRE AND USING SAME CLAMPS. SEE SPECIFICATIONS.

1 E103 GROUND ROD AND PRE-CAST CONCRETE GROUND BOX DETAIL

N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
WEI-CHUNG HUANG
E21979
Exp. 09/30/27
ELECTRICAL
STATE OF CALIFORNIA

PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y26-001
info@pacificeng.net

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SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

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PM	-
DATE	1/29/2026
1 DRC REV 1	3/9/2026

ELECTRICAL DETAILS

E103

NO PARKING

(N) IRRIGATION CONTRO
(PROVIDE A POWER)

(E) PARKING LIGHT POL

AREA OF SCOPE OF WO

24'x60' RELO CLASSROOM 1
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

(E) PRE-SCHOOL BLDG
6,340 SF
1-STORY
TYPE VB
NON-SPRINKLERED
BUILDING

NIC

24'x60' RELO CLASSROOM 2
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

(E) MAIN SWITCHBOARD "DBMS"

24'x60' RELO CLASSROOM 3
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 4
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 5
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

18" PALM

18" PALM

NIC

(E) CHURCH
2,526 SF±
1-STORY
TYPE VB
NON-SPRINKLERED

NIC

(E) FELLOWSHIP HALL
2,618 SF±
1-STORY
TYPE VB
NON-SPRINKLERED

LINE OF (E) WALL

LINE OF (E) ROOF OVERHANG

(E) FH

SITE ENTRANCE (TOW-AWAY) SIGN

(E) "ENTER ONLY" SIGN

WOOD GATE - EMERGENCY
EGRESS ONLY
"ALARM WILL SOUND"

℄ FRANCIS AVE

℄ VERNON AVE

STOP

R/W

PROJ
NOR

N

SCALE: 1/16" = 1' - 0"

0' 8' 16' 32'

ELECTRICAL SITE

103

NO PARKING

(E) PRE-SCHOOL BLDG
6,340 SF
1-STORY
TYPE VB
NON-SPRINKLERED
BUILDING

NIC

(E) MDF

24'x60' RELO CLASSROOM 1
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 2
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 3
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 4
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 5
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

U U

FLEX CONDUIT

IDF

CLDF

(N) IRRIGATION CONTR
(PROVIDE A POWER)

(E) PARKING LIGHT POL

AREA OF SCOPE OF WO

18" PALM

18" PALM

NIC

(E) CHURCH
2,526 SF±
1-STORY
TYPE VB
NON-SPRINKLERED

NIC

(E) FELLOWSHIP HALL
2,618 SF±
1-STORY
TYPE VB
NON-SPRINKLERED

LINE OF (E) WALL

LINE OF (E) ROOF OVERHANG

STOP

(E) FH

SITE ENTRANCE (TOW-AWAY) SIGN

(E) "ENTER ONLY" SIGN

WOOD GATE - EMERGENCY
EGRESS ONLY
"ALARM WILL SOUND"

℄ VERNON AVE

℄ FRANCIS AVE

R/W

PROJ
NOR

SCALE: 1/16" = 1' - 0"

0' 8' 16' 32'

SIGNAL SITE

104

NO PARKING

24'x60' RELO CLASSROOM 1
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 2
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 3
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 4
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

24'x60' RELO CLASSROOM 5
NON-SPRINKLERED
1-STORY, TYPE V-B
E-OCC
1,440 SF / 20 OLF = 72 OCC

(E) PRE-SCHOOL BLDG
6,340 SF
1-STORY
TYPE VB
NON-SPRINKLERED
BUILDING

NIC

NIC
(E) CHURCH
2,526 SF±
1-STORY
TYPE VB
NON-SPRINKLERED

NIC
(E) FELLOWSHIP HALL
2,618 SF±
1-STORY
TYPE VB
NON-SPRINKLERED

18" PALM

18" PALM

LINE OF (E) WALL

LINE OF (E) ROOF OVERHANG

(E) FH

SITE ENTRANCE (TOW-AWAY) SIGN

(E) "ENTER ONLY" SIGN

WOOD GATE - EMERGENCY
EGRESS ONLY
"ALARM WILL SOUND"

℄ FRANCIS AVE

℄ VERNON AVE

STOP

(N) IRRIGATION CONTR
(PROVIDE A POWER)

(E) PARKING LIGHT POL

AREA OF SCOPE OF WO

*ALL LUMIN

Jobname: SYCAMOI
Location: 5500 FRAN
Report for: PACIFIC
c/o: Crissy Cosci
Report by: Christian
Mounting Ht.: See Dr
See Luminaire Schec
Filename: Sycamore
Date:1/21/2026

-----Disclaimer-----
Luminaire performan
testing procedures d
vary from computer
photometric modelin
solely for design assi
and layout is the resp

Luminaire Schedule
Symbol

Calculation Summa
Label
POT

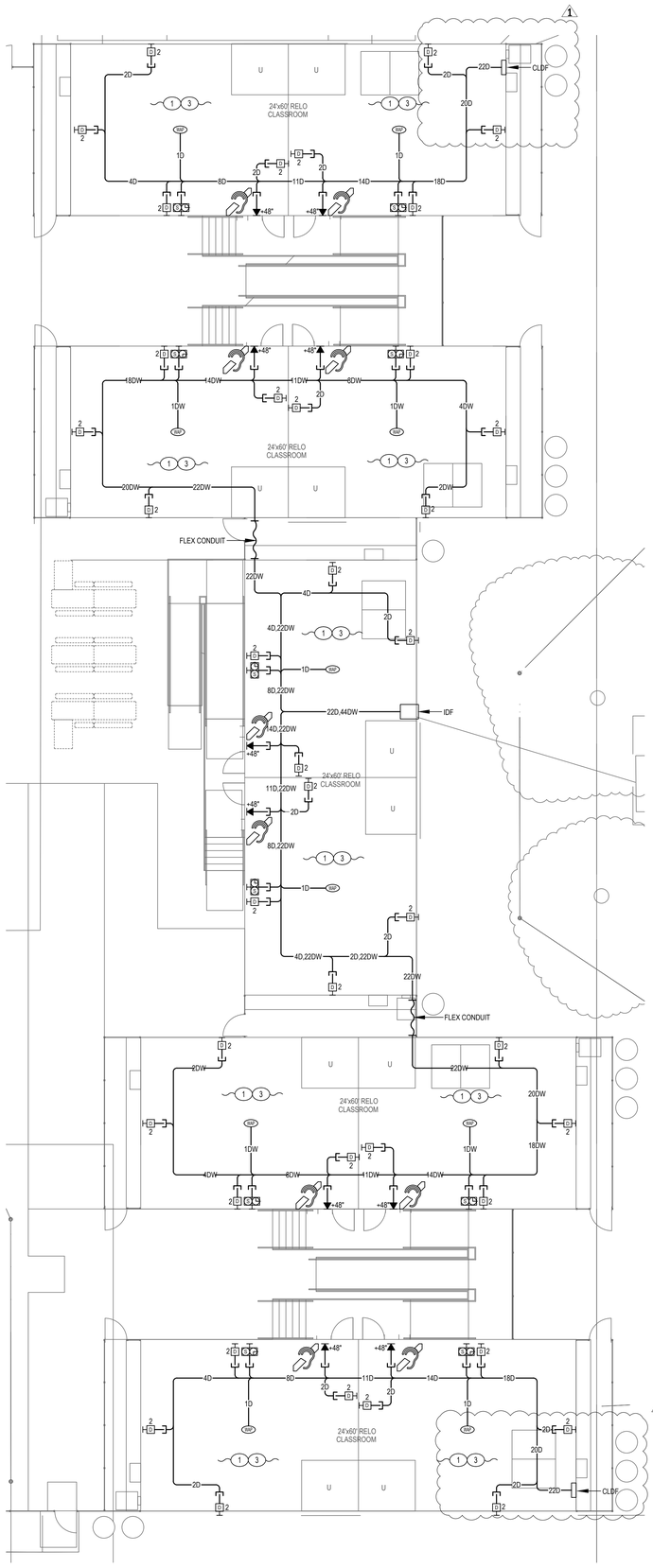
PROJ
NOR

SCALE: 1/16" = 1' - 0"

0' 8' 16' 32'

SITE PLAN - PHOTOMETRIC CALCULAT

105



KEYED NOTES

1. RUN DATA, PA, TELEPHONE AND OTHER LOW VOLTAGE CABLES EXPOSED IN CEILING SPACE WITH J-HOOK CABLE SUPPORT AT 48" ON CENTER, EXCEPT FIRE ALARM CABLES. CABLE SUPPORT SHALL BE DEDICATED TO EACH RESPECTIVE LOW VOLTAGE SIGNAL SYSTEM.
2. WEATHERPROOF PULLBOX 16"x16"x6" DEEP, MOUNT HIGH ON WALL.
3. PROVIDE PORTABLE ASSISTIVE LISTENING SYSTEM WITH COMPLETE TRANSMITTER AND MINIMUM (4) RECEIVERS, (2) NECK LOOP RECEIVERS, MICROPHONE AND BATTERY CHARGER SIMILAR OR EQUAL TO "LISTEN TECHNOLOGIES #LKS-4 A1".
4. AERIAL CABLE WITH MESSENGER WIRE. MAINTAIN 12' MIN. CLEARANCE ABOVE GROUND AND 5' MIN. ABOVE LOW ROOF.

PROJECT NORTH

N

SCALE: 1/8" = 1' - 0"

0' 4' 8' 16' 32'

RELO CLASSROOM SIGNAL PLAN | **C10** | 1/8" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
MATTHEW ROBERT TAYLOR
E21979
Exp. 09/30/27
ELECTRICAL
STATE OF CALIFORNIA

PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y26-001
info@pacificeng.net

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS

SYCAMORE ACADEMY

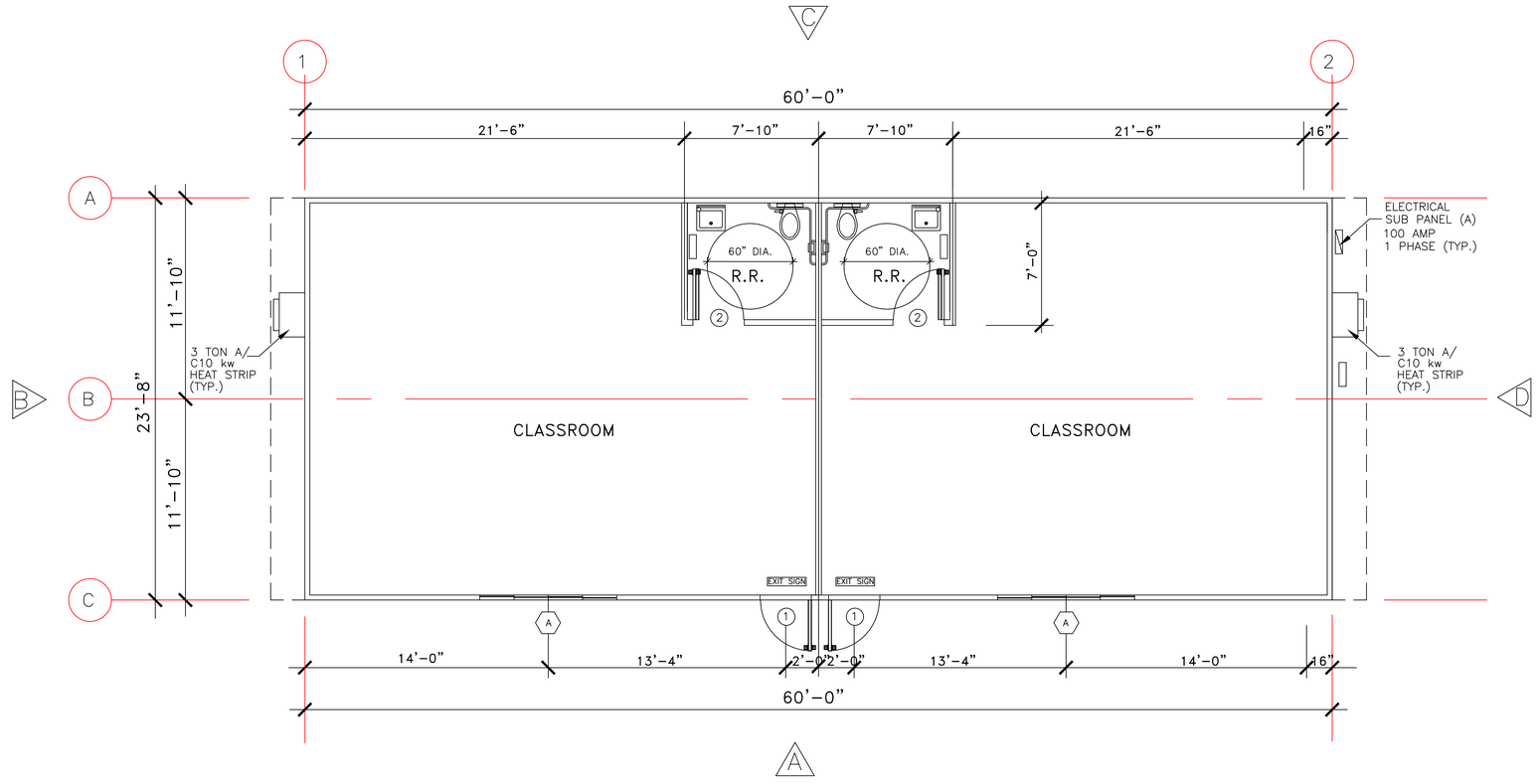
5500 FRANCIS AVE, CHINO, CA 91710

JOB NO.	2530SAC-D
PM	-
DATE	1/29/2026
1 DRC REV 1	3/9/2026

RELO CLASSROOM SIGNAL PLAN

E301

SERIAL # building # 1 MDS-657449 & MDS-657447
SERIAL # building # 2 MDS-657442 & MDS-657441
SERIAL # building # 3 MDS-657846 & MDS-657845
SERIAL # building # 4 MDS-657877 & MDS-657876
SERIAL # building # 5 MDS-657856 & MDS-657855



GENERAL SPECIFICATIONS

NOTE:
ALL ITEMS NOT ADDRESSED SPECIFICALLY IN THIS PACKAGE MUST REMAIN PER THE ORIGINAL APPROVED DESIGN.

MANUFACTURER :

PACESETTER INDUSTRIES INC.
DATE OF MANUFACTURING 2003
SERIAL NUMBERS LMR-00200316, LMR-00200317

DESIGN CRITERIA :

FLOOR LIVE LOAD : 50 PSF
ROOF LIVE LOAD : 20 PSF
SEISMIC ZONE : 4
WIND LOAD : 15 PSF
OCCUPANCY GROUP : "E"
CONSTRUCTION TYPE : "VB"
CLASSROOM 24' X 60' = 1,440 SQ. FT.
OCCUPANT LOAD FOR OFFICE = 1.440 / 35 = 41

FINISH FLOOR :

CLASSROOM : CARPET
RESTROOM : VCT

EXTERIOR WALL :

SIDING ; WOOD SIDING
FRAMING : EXISTING 2 x 4 HIM FAIR # 2 AT 16" O.C.
TRIM : WOOD 1" X4" RESAWN AT DOORS
INTERIOR WALL FINISHS AT OFFICES : VCP
INTERIOR WALL FINISHS AT RESTROOMS : "FRP" 4' HIGH BALANCE HAMPTON VCP

ROOFING :

ROOFING : 26 GAG. GALVANIZED STEEL

CEILING :

HEIGHT : 7'-10" NOMINAL
FINISH : SUSPENDED T-GRID CEILING 755B OR EQUAL COLOR: WHITE

INSULATION :

EXTERIOR WALL : EXISTING R-11
FLOOR : EXISTING R-11
ROOF : EXISTING R-19

WINDOWS :

(A) 40" X 8" SLIDING CLEAR ANODIZED ALUMINUM FRAME WITH DUAL GLAZED 46 % GRAY TINT

DOORS :

(1) 3'-0" X 6'-8" X 1 3/4" HOLLOW METAL WITH 16 GA. FULL FLUSH IN 16 GA. METAL FRAME

(2) 3'-0" X 6'-8" X 1 3/4" HOLLOW CORE LEGACY W/ TIMELY FRAMES KWIKSET LEVER W/ PRIVACY LOCK

ELECTRIC :

DISTRIBUTION : 100 AMP, 120/240 V. SINGLE PHASE
SUB PANEL : EXTERIOR, SURFACE MOUNTED
WIRING : MC CABLE

HVAC SYSTEM :

BRAND : "BARD"
SIZE : 3 TON A/C W/CRV-3 VENTILATOR
COLOR : MFT. STD.
HEAT STRIP : 10 KW
SUPPLY AIR : DUCTED 13/16" FIBERGLASS DUCTBOARD
RETURN AIR : DUCTED 13/16" FIBERGLASS DUCTBOARD

WILLIAMS SCOTSMAN

24' X 60' MODULAR OFFICE BUILDING FLOOR PLAN

SCALE: 1/4" = 1'-0"

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			
6			

KEN ASHAROKH AIA
ARCHITECTS PLANNERS
7935 SVL BOX VICTORVILLE, CA 92395
PHONE: (949) 463-3396
E-MAIL: KAANDA@AOL.COM

SYCAMORE ACADEMY OF SCIENCE & CULTURAL ARTS
24' X 60' MODULAR CLASSROOM BUILDING
13000 PIPELINE AVE. CHINO, CA 91710

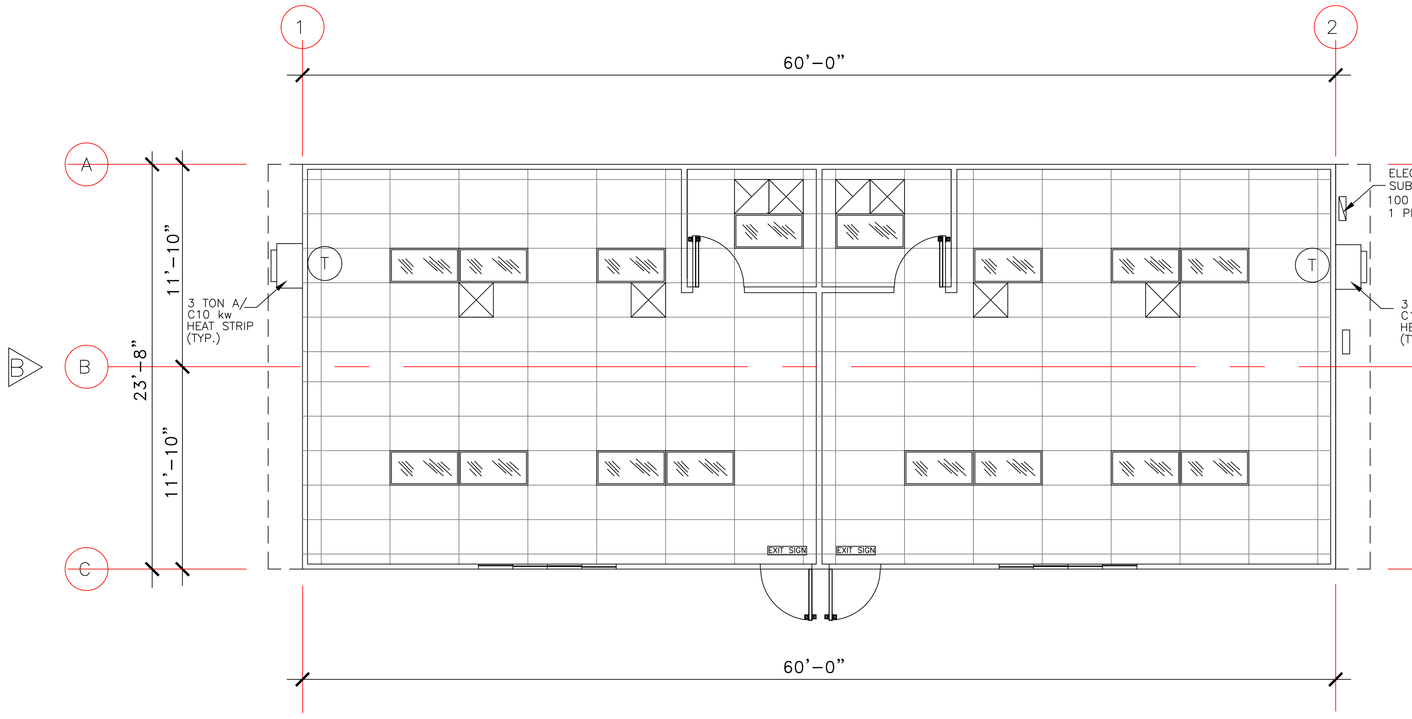
FLOOR PLAN AND BUILDING DATA AND BUILDING SPECIFICATIONS

DATE 03 / 06 / 2026
SCALE AS SHOWN
DRAWN BY K.A.
CHECKED BY K. A.

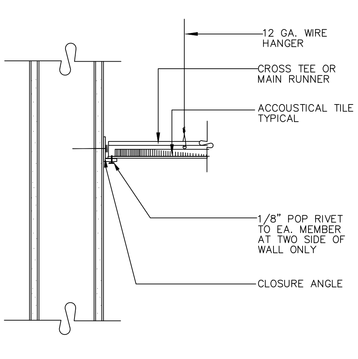
PROJECT NO.
A-106-2026

SHEET NO.
A-1.0

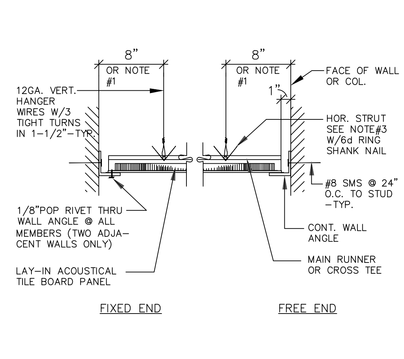
SERIAL # building # 1 MDS-657449 & MDS-657447
SERIAL # building # 2 MDS-657442 & MDS-657441
SERIAL # building # 3 MDS-657846 & MDS-657845
SERIAL # building # 4 MDS-657877 & MDS-657876
SERIAL # building # 5 MDS-657856 & MDS-657855



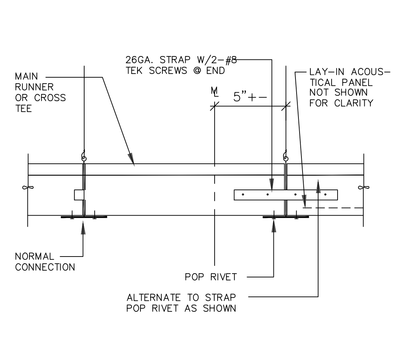
24'X60' MODULAR CLASSROOM BUILDING REFLECTED CEILING PLAN



T-BAR CEILING DETAIL AT WALL
SCALE: N.T.S.
6

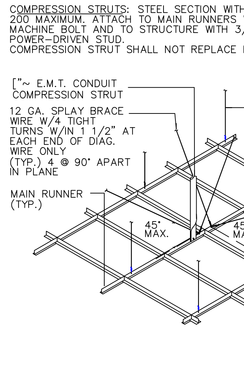


GRID TO WALL CONNECTION DTLS
NOT TO SCALE
5

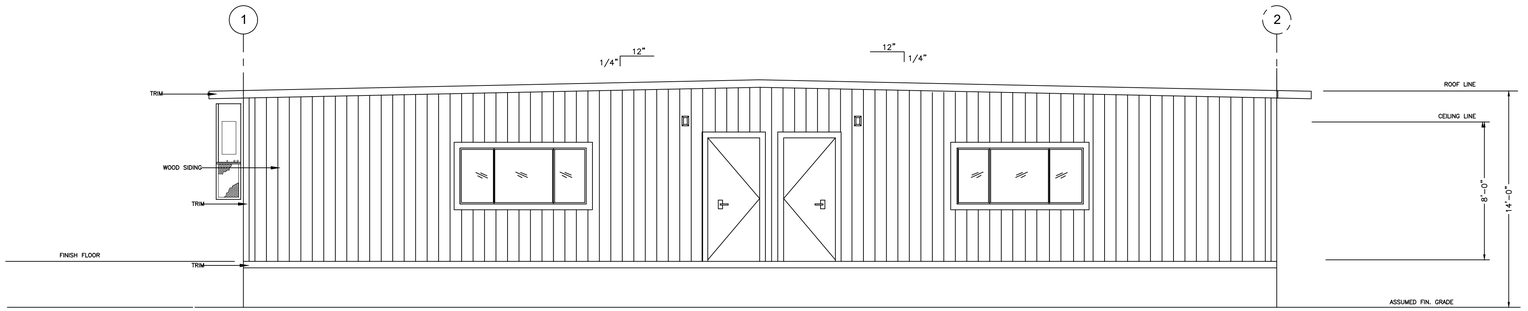


MODULE LINE "T" GRID CONN.
NOT TO SCALE
4

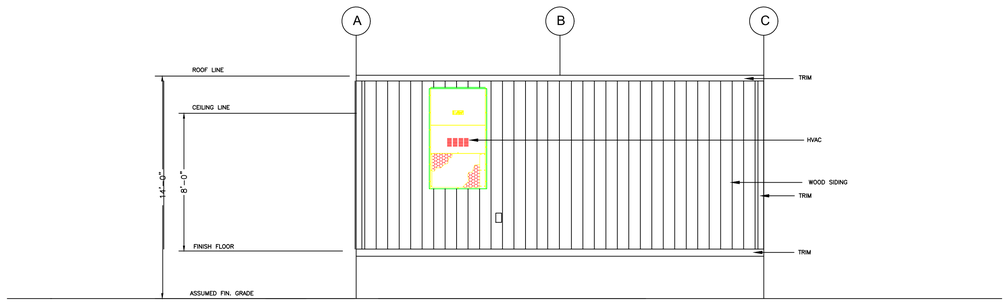
COMPRESSION STRUTS: STEEL SECTION WITH
200 MAXIMUM. ATTACH TO MAIN RUNNERS
MACHINE BOLT AND TO STRUCTURE WITH 3,
POWER-DRIVEN STUD.
COMPRESSION STRUT SHALL NOT REPLACE



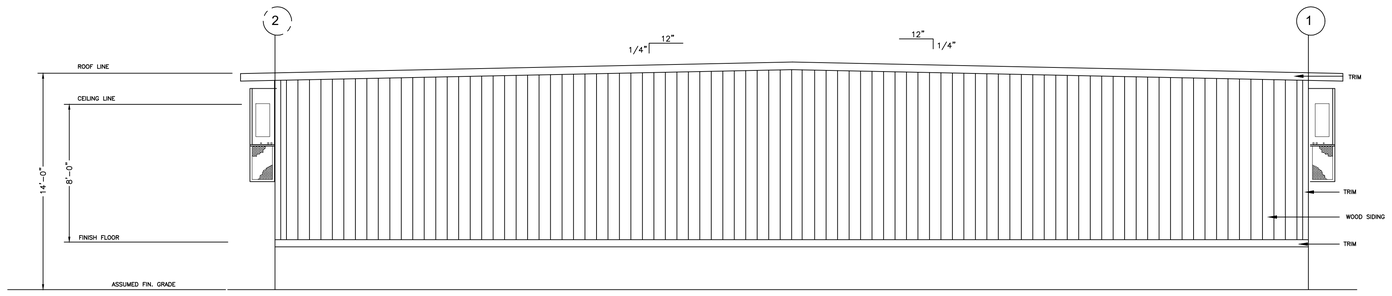
LATERAL BRACING ATTACHMENT DETAIL



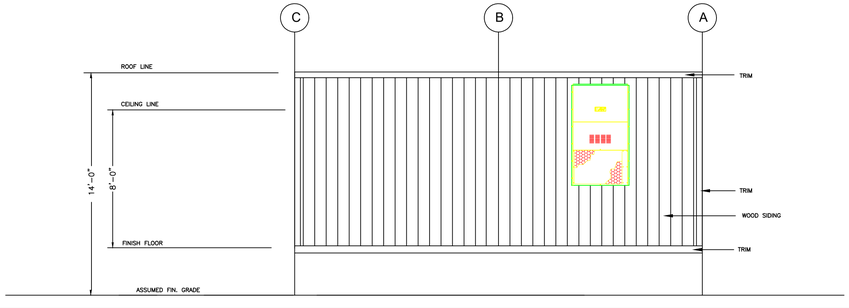
24' x 60' BUILDING ELEVATION (A)



24' x 60' BUILDING ELEVATION (B)



24' x 60' BUILDING ELEVATION (C)



24' x 60' BUILDING ELEVATION (D)

SCALE: 1/4" = 1'-0"

WILLIAMS SCOTSMAN

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REVISIONS

NO.	DATE	BY	DESCRIPTION
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3			
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5			
6			

ARCHITECTS PLANNERS
KEN AGHAROKH AIA
7935 SVL BOX VICTORVILLE, CA 92395
PHONE: (949) 463-3396
E-MAIL: KAANDA@AOL.COM

SYCAMORE ACADEMY OF SCIENCE & CULTURAL ARTS
24' X 60' MODULAR CLASSROOM BUILDING
13000 PIPELINE AVE. CHINO, CA 91710

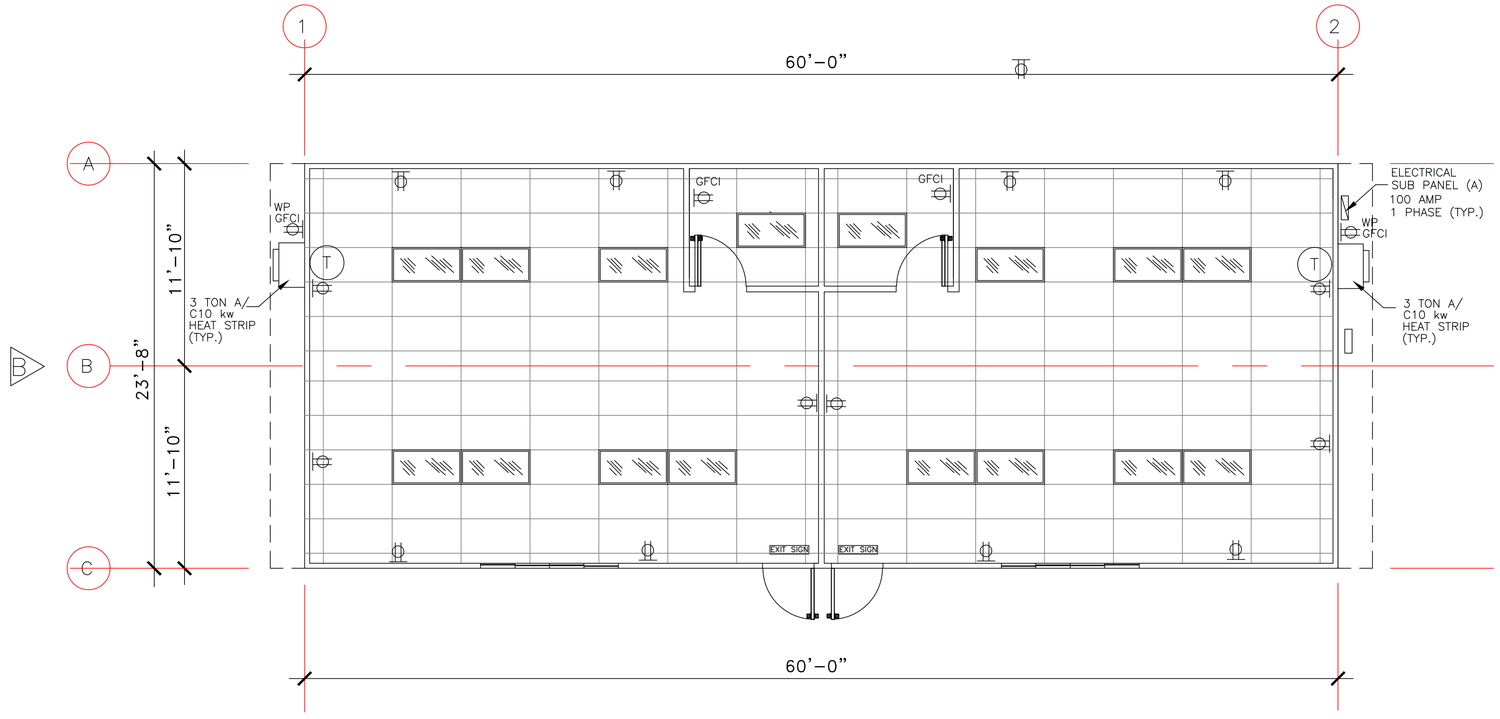
EXTERIOR ELEVATIONS

DATE 03 / 03 / 2026
SCALE AS SHOWN
DRAWN BY K.A.
CHECKED BY K. A.

PROJECT NO.
A-106-2026

SHEET NO.
A-3.0

SERIAL # building # 1 MDS-657449 & MDS-657447
SERIAL # building # 2 MDS-657442 & MDS-657441
SERIAL # building # 3 MDS-657846 & MDS-657845
SERIAL # building # 4 MDS-657877 & MDS-657876
SERIAL # building # 5 MDS-657856 & MDS-657855



ELECTRICAL LEGEND

ELECTRICAL SCHEDULE

SYMBOL	DESCRIPTION	COLOR	QTY	REMARKS
	DUPLEX RECEPTACLE WALL MOUNTED W/ COVER PLATE @ 16" A.F.F. U.N.O. (NO BRAND SPECIFIED)	IVORY		
WP GFCI	GFCI DUPLEX WALL MOUNTED RCPT. W/ WEATHER PROOF J-BOX & COVER PLATE INSTALLED PER CODE (U.N.O.)	N/A		
$3	THREE-WAY SWITCH W/COVER PLATE @ 46" A.F.F. U.N.O. (NO BRAND SPECIFIED)	IVORY		
$	SINGLE POLE SWITCH W/COVER PLATE @ 46" A.F.F. U.N.O. (NO BRAND SPECIFIED)	IVORY		
	PORCH LIGHTS @ 84" A.F.F. U.N.O. BRAND: HARRIS #300 w/PHOTO CELL 120V	N/A		
T	THERMOSTAT @ 46" A.F.F. U.N.O. BRAND: WHITE RODGERS 1F56W444	N/A		
PANEL	100 AMP 1 PHASE 120/240 W/125 AMP MAIN, 36" A.F.F. TO TOP OF PANEL/EXT. SURFACE (N.B.S.)	N/A		
	2x4--4 TUBE FLUORESCENT FIXTURE, RECESSED, DIFFUSED, (NO BRAND SPECIFIED) 120V	N/A		
EXIT SIGN	EXIST SIGN WITH 90 MINUTE BATTERY BACK UP. 120V	N/A		
	DUPLEX RECEPTACLE FLOOR MOUNTED			
△	DATA 2X4 J BOX W/ COVER PLATE @ 16" A.F.F. U.N.O. (NO BRAND SPECIFIED)			
	EXHAUST FAN			

RACEWAY ROMEX

NOTE:

1. ALL EXISTING ELECTRICAL DEVISES (SWITCHES, OUTLETS, EMERGENCY LIGHTS, PHONE & DATA) TO REMAIN AS IS
2. ALL MEASUREMENTS FOR DEVICES WHICH REQUIRE A HEIGHT ARE TO THE BOTTOM OF DEVICE UNLESS NOTED OTHERWISE
3. ALL EXTERIOR ELECTRICAL DEVICES TO BE WEATHERPROOF.
4. "DSMBI" TO PROVIDE CONDUIT WITH PULL STRING ONLY FOR TELEPHONE AND DATA AND CLIENT TO PULL REQIRED WIERS FOR THOSE ITEMS.

WILLIAMS

SCOTSMAN

24'X60' MODULAR CLASSROOM BUILDING ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

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ARCHITECTS PLANNERS
KEN AGHAROKH AIA
7935 SVL BOX VICTORVILLE, CA 92395
PHONE: (949) 463-3396
E-MAIL: KAAND@AOL.COM

SYCAMORE ACADEMY OF SCIENCE & CULTURAL ARTS
24' X 60' MODULAR CLASSROOM BUILDING
13000 PIPELINE AVE. CHINO, CA 91710

ELECTRICAL PLAN AND DETAILS

DATE 03 / 06 / 2026
SCALE AS SHOWN
DRAWN BY K.A.
CHECKED BY K. A.

PROJECT NO.
A-106-2026

SHEET NO.
E-1.0

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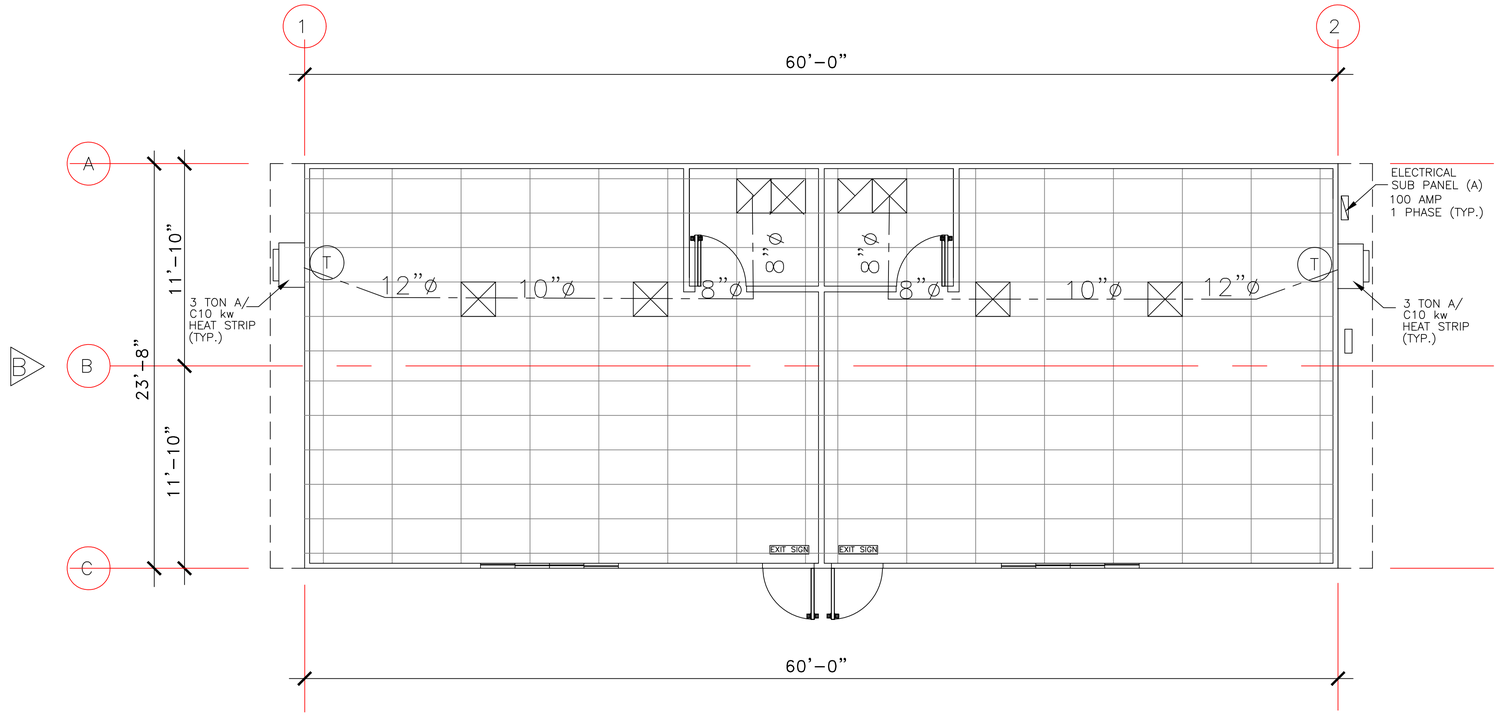

MECHANICAL LEGEND

12" FLEX DUCT–SEE PLAN FOR SIZE AND LOCATION

24" X 24" SUPPLY AIR GRILLE PERF. FACE

24" X 24" EXHAUST FAN (75 CFM) GRILLE PERF. FACE W/ 12" EXHAUST DUCT UP TO ROOF CAP.

T THERMOSTAT.

HP 1 3.5 TON HEAT PUMP, BARD WALL MOUNT,

WILLIAMS

SCOTSMAN

24'X60' MODULAR CLASSROOM BUILDING MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

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KEN AGHAROKH AIA
7935 SVL BOX VICTORVILLE, CA 92395
PHONE: (949) 463-3396
E-MAIL: KAANDA@AOL.COM

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MECHANICAL PLAN AND DETAILS

DATE 03 / 06 / 2026
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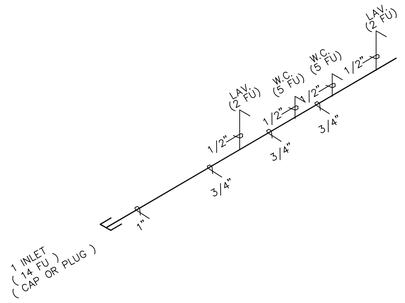
CHECKED BY K. A.

PROJECT NO.
A–106–2026

SHEET NO.
M–1.0

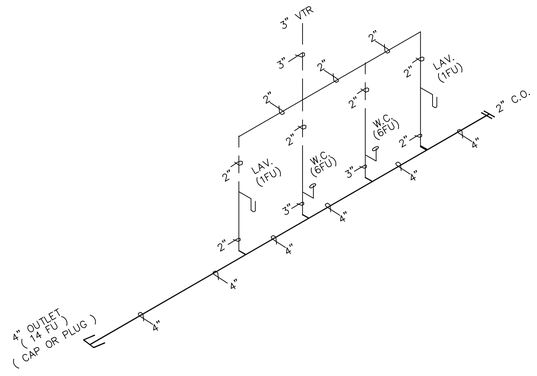


TYPE "L" COPPER
PRESSURE RANGE – 46 TO 60 PSI
MAXIMUM DEVELOPED LENGTH = LESS THAN 100'–0"
WATER CLOSET TO BE TANK TYPE

PLUMBING TABLE

QTY.	FIXTURE	F.U.	TOTAL
2	WC.	5	10
2	LAVY	2	4
TOTAL			14

COLD WATER SUPPLY LINES



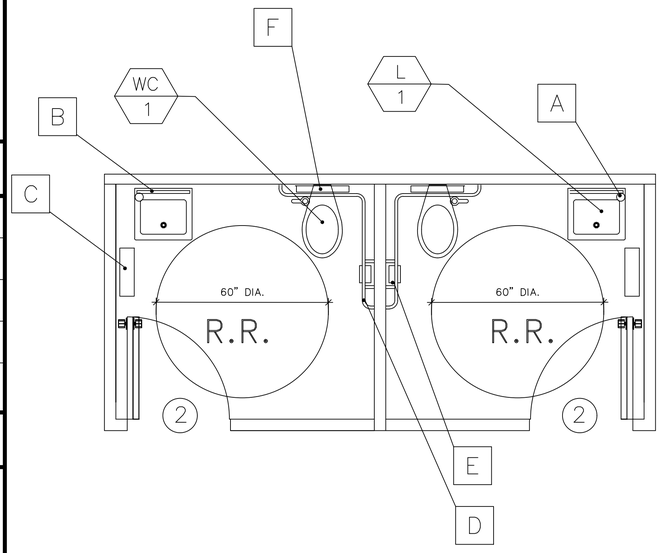
ROOF VENTS TO STUB UP 5'–0" FROM ENDWALL.

A.B.S. SCHEDULE 40
BASED ON 1/4" PER FOOT SLOPE
PLACE A CLEANOUT AT UPPER TERMINAL
END AND AT BRANCHES OVER 5' IN LENGTH

PLUMBING TABLE

QTY.	FIXTURE	F.U.	TOTAL
2	WC.	6	12
2	LAVY	1	2
TOTAL			14

WASTE AND VENT LINES



RESTROOM PLAN

SCALE: 1/4" = 1'–0"

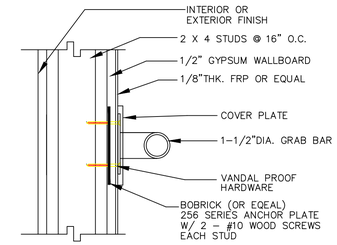
PLUMBING SCHEDULE

PLUMBING FIXTURES

WC 1	WATER CLOSET (HANDICAP – ADA): FLOOR MOUNT WITH OPEN FRONT SEAT. COLOR: WHITE
L 1	LAVATORY (HANDICAP): WALL HUNG WITH LEVER FAUCET (ADA)
WH –	INSTANT ELECTRIC WATER HEATER UNDER THE LAVYS AND THE BREAK ROOM SINK
S –	BREAK ROOM SINK

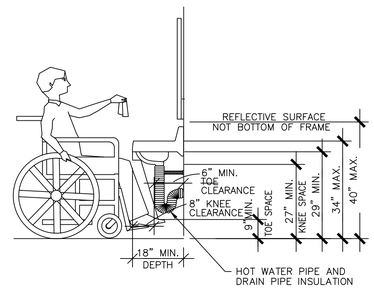
PLUMBING ACCESSORIES

A	SOAP DISPENSER: LIQUID SOAP DISPENSER
B	MIRROR: HANDICAP – 2430, NON HANDICAP – 2436
C	PAPER TOWEL DISPENSER: SURFACE MOUNTED
D	GRAB BAR: 1 1/2 X 36" AND 1 1/2 X 48"
E	TOILET PAPER HOLDER: SINGLE ROLL SURFACE MOUNTED
F	TOILET SEAT DISPENSER: SURFACE MOUNTED



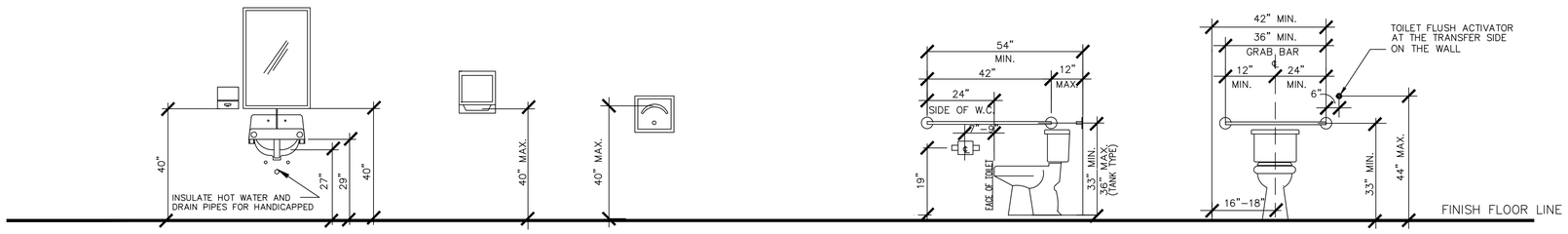
VANDAL PROOF GRAB BAR CONN. DETAIL (A)

SCALE: N.T.S.



ACCESSIBLE WHEELCHAIR CLEARANCE (B)

SCALE: N.T.S.



MIRROR B
L 1 LAVATORY
SOAP DISPENSER A

PAPER TOWEL DISPENSER C

TOILET SEAT COVER DISPENSER F

WC 1 WATERCLOSET (HANDICAPPED)
GRAB BAR D
TOILET PAPER HOLDER E

REAR WALL ELEVATION
REA GRAB BAR ALLOWED F
AT 36" A.F.F.
AT TOILET
WC 1

WILLIAMS
SCOTSMAN

PLUMBING PLAN AND DETAILS

SCALE: 1/4" = 1'–0"

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ARCHITECTS PLANNERS
KEN AGHAROKH AIA
7955 SVL BOX VICTORVILLE, CA 92395
PHONE: (949) 463-3396
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PROJECT NO.
A–106–2026

SHEET NO.
P–1.0

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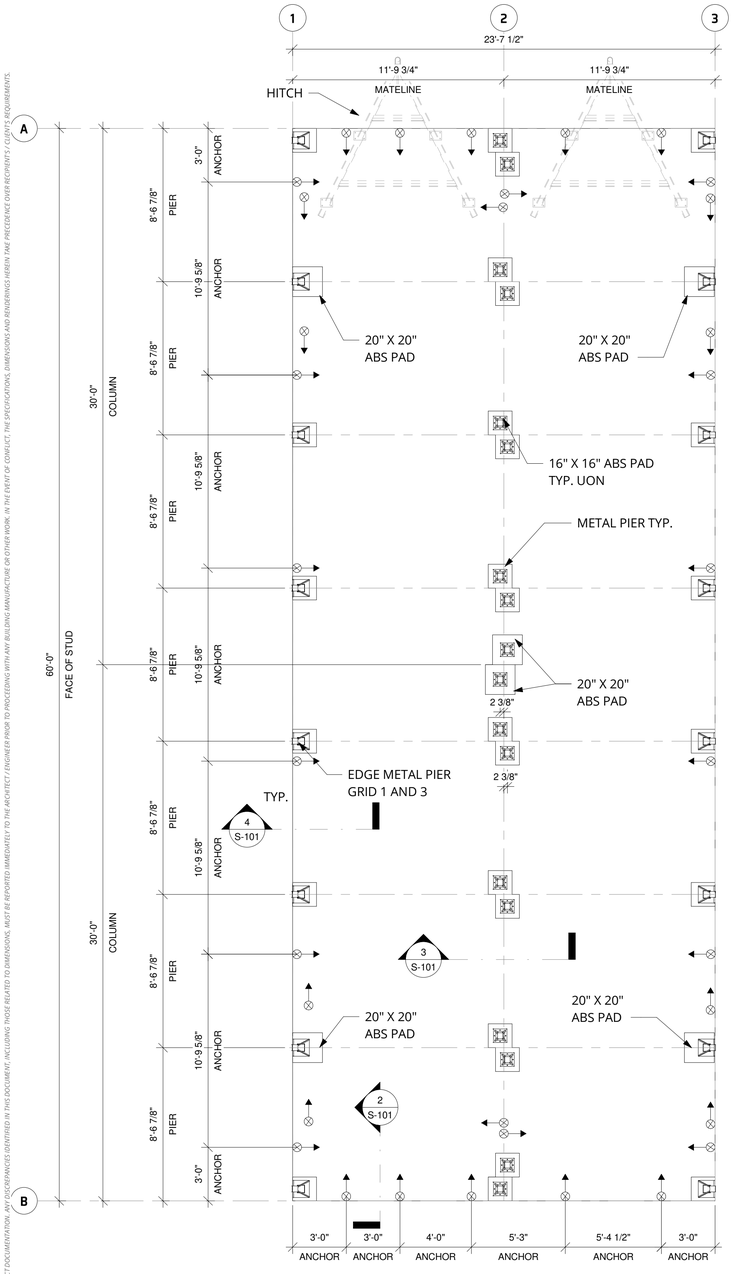
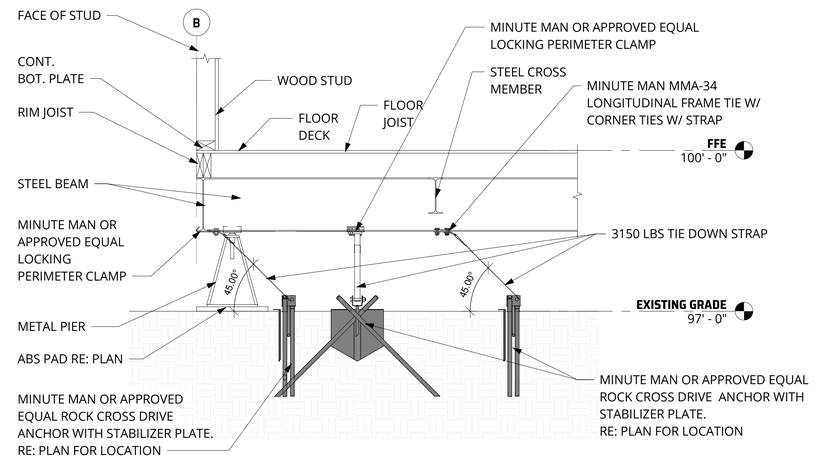
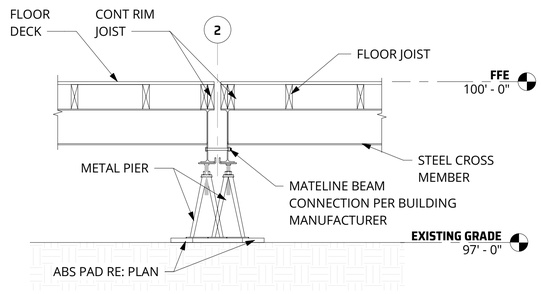


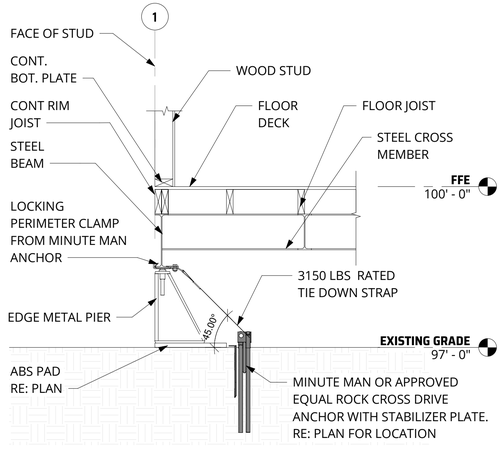
1 FOUNDATION PLAN
1/4" = 1'-0"



2 ENDWALL SECTION
3/4" = 1'-0"



3 MATELINE SECTION
3/4" = 1'-0"



4 LONG SIDE SECTION
3/4" = 1'-0"

16" X 16" ABS PAD
20" X 20" ABS PAD
EDGE METAL PIER
LOCKING PERIMET
METAL PIER
MINUTE MAN ANC
MINUTE MAN OR

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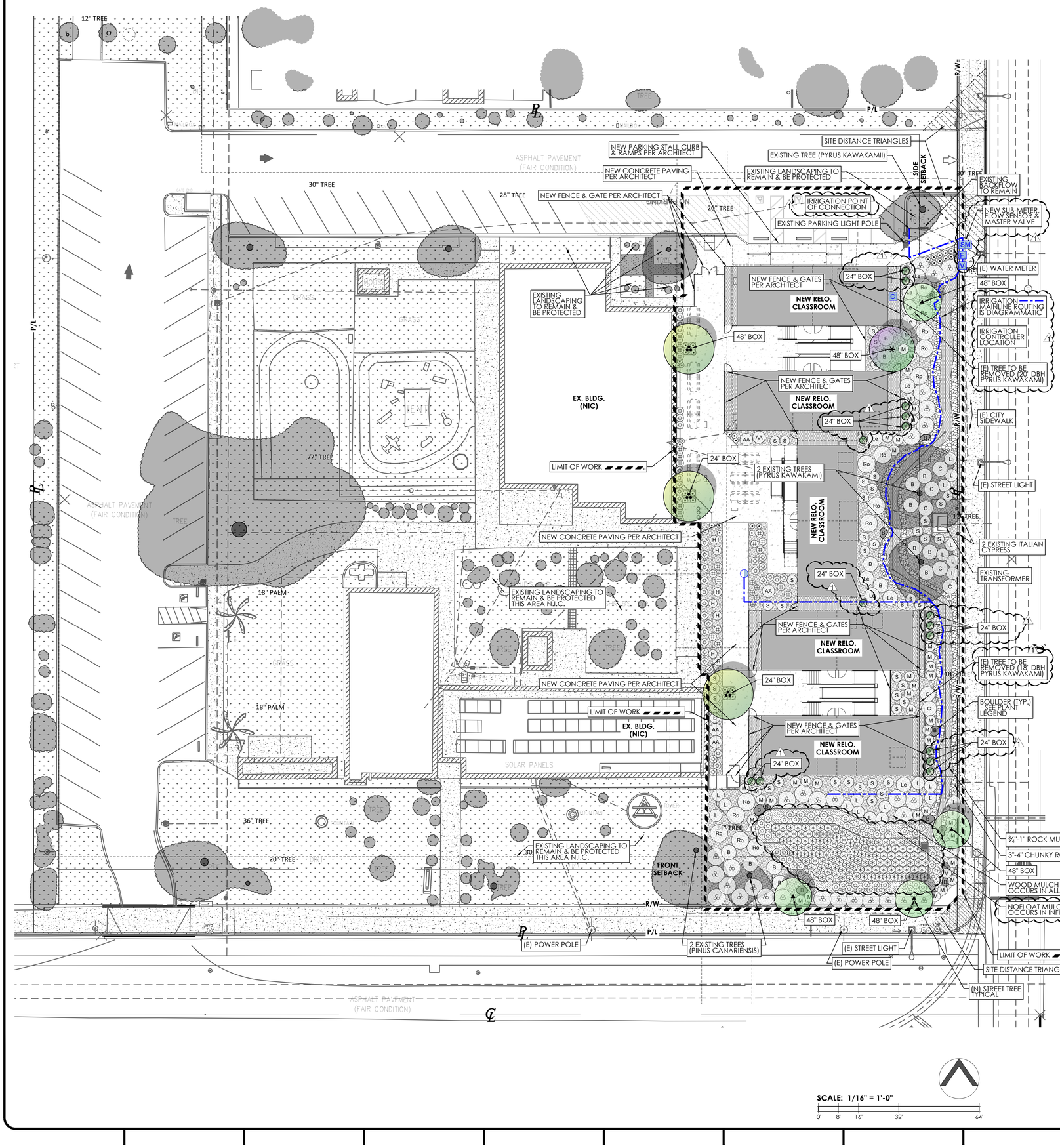

NOTES

1. ALL LANDSCAPE AREAS SHALL RECEIVE A WATER CONSCIOUS AUTOMATIC IRRIGATION SYSTEM. DRIP IRRIGATION SHALL BE UTILIZED WHEREVER APPROPRIATE.
2. ALL ON-SITE PLANTING AND IRRIGATION SHALL BE MAINTAINED TO ENSURE WATER EFFICIENCY AND HEALTHY APPEARANCE
3. THE CRITERIA OF CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE WILL BE CALCULATED & APPROVED TO ASSURE COMPLIANCE OF EFFICIENT USE OF WATER WITHIN THE NEW DESIGNED LANDSCAPE PLAN.

nuvis
LANDSCAPE ARCHITECTURE
20250 SW ACACIA ST, STE 260
NEWPORT BEACH, CA
U. S. A. 92660
PH: 714.754.7311

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	Height x Spread (O.C. Spacing)	WUCOLS	QTY.
TREES						
	CERCIDIUM 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	24" BOX & 48" BOX	12'-25' x 12'-25' Spacing Per Plan	L	3 1
	CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	24" BOX	12'-15' x 2'-3' Spacing Per Plan	L	15
	PYRUS KAWAKAMII	EVERGREEN PEAR	48" BOX	15'-25' x 10'-15' Spacing Per Plan	L	4
	VITEX AGNUS-CASTUS	CHASTE TREE	48" BOX	20' x 20' Spacing Per Plan	L	1
SHRUBS						
AA	Agave Attenuata	Fox Tail Agave	5 Gal.	4'-5' x 6'-8' Spacing Per Plan	VL	5
⊕	Agave 'Blue Glow'	Blue Glow Agave	5 Gal.	1'-2' x 1'-2' Spacing Per Plan	VL	5
⊞	Agave Desmetiana 'Variegata'	Smooth Agave	5 Gal.	2'-3' x 2'-3' Spacing Per Plan	VL	22
⊙	Aloe 'Blue Elf'	Blue Elf Aloe	1 Gal.	1'-2' x 1'-2' Spacing Per Plan	L	36
B	Bougainvillea 'Oo-La-La'	Oo-la-la TM Bougainvillea	5 Gal.	2'-3' x 6'-8' Spacing Per Plan	L	14
⊛	Callistemon x V. 'Little John'	Bottlebrush Little John	5 Gal.	3' x 3' Spacing Per Plan	L	38
⊛	Carex Praegracilis	Western Meadow Sedge	1 Gal.	1' x 3' Spacing Per Plan	L	123
C	Ceanothus Griseus Horizontalis	Carmel Creeper Ceanothus	5 Gal.	2' x 6' Spacing Per Plan	L	7
H	Hesperaloe Parviflora	Red Yucca	5 Gal.	3'-4' x 3'-4' Spacing Per Plan	VL	7
L	Lantana Montevidensis	Trailing Lantana	1 Gal.	2' x 6' Spacing Per Plan	L	21
Le	Leucophyllum Frutescens	Texas Ranger	5 Gal.	6'-8' x 6'-8' Spacing Per Plan	L	10
M	Muhlenbergia Capillaris Regal Mist	Regal Mist Pink Muhly	5 Gal.	3'-4' x 4' Spacing Per Plan	L	41
⁂	Myoporum Parvifolium	Ground Cover Myoporum	1 Gal.	1' x 8'-10' Spacing Per Plan	L	31
⊛	Nassella Pulchra	Purple Needlegrass	5 Gal.	1'-3' x 1'-3' Spacing Per Plan	L	59
Ro	Rosmarinus Officinalis 'Huntington Carpet'	Huntington Carpet Rosemary	1 Gal.	2' x 8' Spacing Per Plan	L	14
S	Salvia Clevelandii 'Allen Chickering'	Blue Bush Sage	5 Gal.	4' x 4' Spacing Per Plan	L	44
MULCH						
	ALL SHRUB AREAS (Except for Infiltration Basin) SHALL RECEIVE A 3" LAYER OF FOREST FLOOR COMPOSTED WOOD MULCH ½"- 1½" SIZE. OR Approved equal. Mulch shall have a minimum 80% Recycled content.					APPROX. 8,068 Sq. Ft.
	INFILTRATION BASIN SLOPES AND BOTTOM SHALL RECEIVE A 3" LAYER OF NOFLOAT CYPRESS BLEND WOOD MULCH ½"- 1½" SIZE. OR APPROVED EQUAL					APPROX. 2,054 Sq. Ft.
	¾" – 1" ROCK MULCH TO BE ADDED WHERE SHOWN ON PLAN IN 3" THICK LAYER. ROCK MULCH TO MATCH EXISTING ROCK MULCH USED ON EXISTING SITE.					APPROX. 2,183 Sq. Ft.
	3"-4" CHUNKY ROCK TO BE SELECTED TO COMPLEMENT ROCK MULCH. CHUNKY ROCK TO BE USED FOR DRY CREEK AS SHOWN ON PLAN.					APPROX. 1,329 Sq. Ft.
BOULDERS						
	EXISTING BOULDERS ON SITE TO BE RE-LOCATED AS SHOWN ON PLAN.					

SITE DATA

SITE AREA	29,620 S.F.
PROVIDED LANDSCAPE AREA	10,122 S.F.
TREE CALCULATIONS	
GROSS ACREAGE	.68 AC.
TREES REQUIRED 20 TREES/ AC.	14
TREES PROVIDED (NEW)	23
EXISTING TREES TO REMAIN	6
TREE BOX SIZE PERCENTAGES	
24" BOX 74% 17	
48" BOX 26% 6	
TREE SPECIES REQUIRED	2
TREE SPECIES PROVIDED	4
SHRUBS AREA PROVIDED	8,068 SF
BIO-RETENTION AREA	2,054 SF
SHRUBS REQUIRED 1 SHRUB/ 25 SF	405
SHRUBS PROVIDED (NEW)	477

TREE REMOVAL MITIGATION

THIS PROJECT PROPOSES REMOVAL OF TWO EXISTING TREES (PYRUS KAWAKAMII / EVERGREEN PEAR) AS NOTED ON PLAN WITH EACH TREE TRUNK DIAMETER MEASURING BETWEEN 15"-29" AT BREAST HEIGHT. ACCORDING TO CITY'S TREE REPLACEMENT ORDINANCE TABLE 20.19-4.1, MINIMUM REQUIRED REPLACEMENT QUANTITY IS 6(SIX) TREES AT 48" BOX SIZE EACH.

OF ALL PROPOSED NEW TREES SHOWN ON PLAN, A TOTAL OF 6 TREES IS DESIGNATED TO BE 48" BOX SIZE TO SATISFY THIS REPLACEMENT REQUIREMENT.

Satoh Brothers International, Inc.
19750 S. VERMONT AVE. SUITE 100 TORRANCE, CA 90502
TEL 310.768.2700 FAX 310.532.8878 www.satohbrothers.com

REGISTERED LANDSCAPE ARCHITECT — ROBERT A. CARBOZA No. 3242 — Signature — DECEMBER 31, 2027 Expiration Date — 3/10/2026 Date — STATE OF CALIFORNIA

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SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS
SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

JOB NO.	2530SAC-D
PM	RWS/AF
DATE	3/12/2026
1 DRC REV 1	3/11/2026

LANDSCAPE PLAN

L001

TREES

CERCIDIUM 'DESERT MUSEUM'
DESERT MUSEUM PALO VERDE

CUPRESSUS SEMPERVIRENS
ITALIAN CYPRESS

PYRUS KAWAKAMII
EVERGREEN PEAR

VITEX AGNUS-CASTUS
CHASTE TREE

SHRUBS

Agave Attenuata
Fox Tail Agave

Agave 'Blue Glow'
Blue Glow Agave

Agave Desmetiana 'Variegata'
Smooth Agave

Aloe 'Blue Elf'
Blue Elf Aloe

Bougainvillea 'Oo-La-La'
Oo-la-la TM Bougainvillea

Callistemon x V. 'Little John'
Bottlebrush Little John

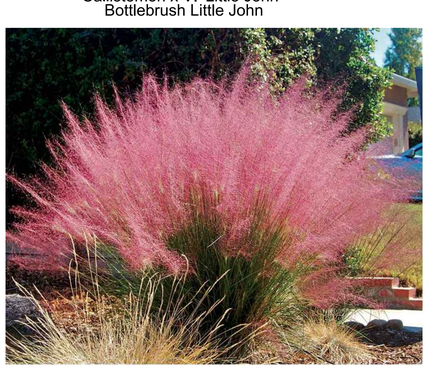
Carex Praegracilis
Western Meadow Sedge

Ceanothus Griseus Horizontalis
Carmel Creeper Ceanothus

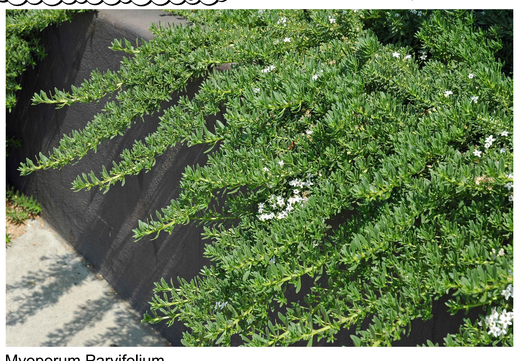
Hesperaloe Parviflora
Red Yecca

Lantana Montevidensis
Trailing Lantana

Leucophyllum Frutescens
Texas Ranger



Muhlenbergia Capillaris Regal Mist
Regal Mist Pink Muhly



Myoporum Parvifolium
Ground Cover Myoporum

Nassella Pulchra
Purple Needlegrass

Rosmarinus Officinalis 'Huntington Carpet'
Huntington Carpet Rosemary

Salvia Clevelandii 'Allen Chickering'
Blue Bush Sage

nuvis
LANDSCAPE ARCHITECTURE
20250 SW ACACIA ST, STE 260
NEWPORT BEACH, CA
U. S. A. 92660
PH: 714.754.7311

Satoh Brothers International, Inc.
19750 S. VERMONT AVE. SUITE 100 TORRANCE, CA 90502
TEL 310.768.2700 FAX 310.532.8878 www.satohbrothers.com

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REGISTERED LANDSCAPE ARCHITECT
GEORGE A CARDOZA No. 5765
Signature
DECEMBER 31, 2027
Expiration Date
Date
STATE OF CALIFORNIA

SYCAMORE ACADEMY CHINO TEMPORARY RELO CAMPUS
SYCAMORE ACADEMY
5500 FRANCIS AVE, CHINO, CA 91710

JOB NO.	2530SAC-D
PM	RWS/AF
DATE	3/12/2026
1 DRC REV 1	3/9/2026

LANDSCAPE PLANT IMAGES

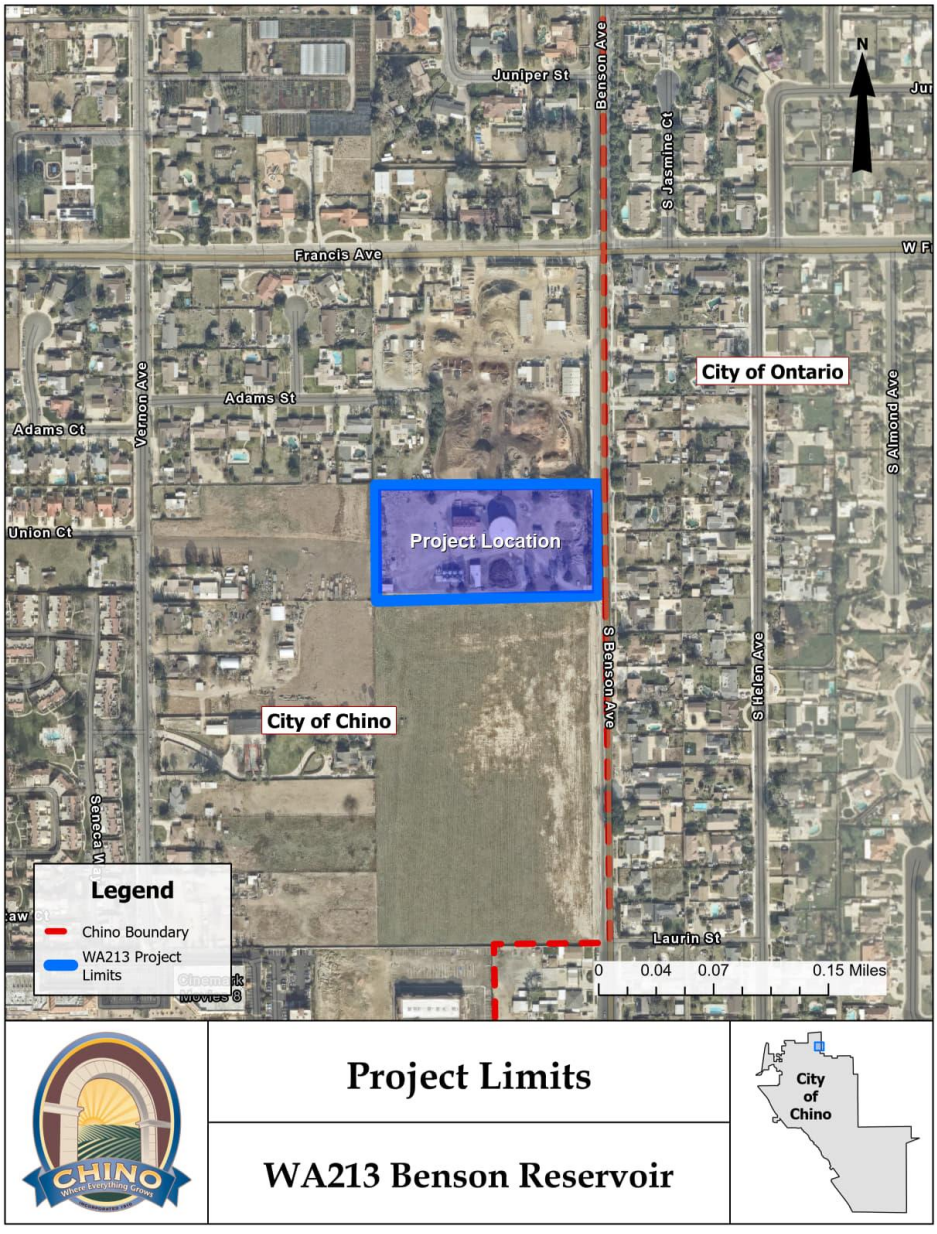
L002

MEMORANDUM
CITY OF CHINO
DEVELOPMENT SERVICES DEPARTMENT

PLANNING COMMISSION MEETING DATE: MAY 20, 2026

PL26-0026 (Special Conditional Use Permit)

LOCATION MAP



PROJECT NO.: PL26-0026 (Special Conditional Use Permit)

APPLICANT: City of Chino Public Works Department

REQUEST: A request for approval for the Benson Reservoir Replacement and Improvements Project, which entails constructing and operating a replacement reservoir for the existing Benson Reservoir within the City's Benson Water Treatment Plant, connecting the replacement reservoir to the system, and demolishing the existing reservoir within the Public (P) zoning district.

LOCATION: 11840 South Benson Avenue (APN: 1014-401-06)

RECOMMENDATION

1) Adopt Planning Commission Resolution No. PC2026-010, adopting a Mitigated Negative Declaration (MND) for the Benson Reservoir Replacement and Improvements Project; and 2) Adopt Planning Commission Resolution No. PC2026-009, approving PL26-0026 (Special Conditional Use Permit), based upon the findings and subject to the departmental conditions of approval.

SURROUNDING ZONING AND LAND USE:

	Existing Land Use	*General Plan*	*Zoning District*
Project Site -	Water Reservoir	Public/Institutional (P/I)	P (Public)
North -	Single-family residential	Residential, 1 dwelling unit/acre (RD1)	RD 1 (Residential/Agricultural)
East -	Single-family residential	City of Ontario	City of Ontario
South -	Vacant	Residential, 1 dwelling unit/acre (RD1)	RD 1 (Residential/Agricultural)
West -	Single-family residential	Residential, 1 dwelling unit/acre (RD1)	RD 1 (Residential/Agricultural)

BACKGROUND

The City of Chino provides potable water service to approximately 89,000 residents through 23,000 active metered service connections. One of the City's primary water supply facilities is the Benson Water Treatment Plant (WTP), located at 11840 South Benson Avenue.

The Benson WTP treats groundwater from two on-site wells (Well 5 and Well 9) and one off-site well (Well 10). Treated water is conveyed to the existing Benson Reservoir (Reservoir No. 3) for storage prior to distribution into the City's potable water system. The existing reservoir is a 1.5-million-gallon steel cylindrical tank constructed in 1961. After more than 60 years of service, the facility is approaching the end of its useful life and does not meet current structural and seismic design standards.

Engineering evaluations have identified several deficiencies, including inadequate seismic anchoring, insufficient freeboard capacity relative to modern standards, and potential foundation limitations. Given the reservoir's critical role in maintaining system reliability, pressure, and fire

protection, replacement of the facility is necessary to ensure continued operation of the City's water distribution system. To address these deficiencies, the City is proposing the Benson Reservoir Replacement and Improvements Project. The project includes replacement of the existing reservoir with a new modern prestressed concrete reservoir, along with associated improvements such as piping modifications, access and site improvements, and drainage enhancements within the Benson WTP site.

Project statistics are as follows:

Item	*Proposed*
Project Area -	1.3 acres
Lot Area -	4.6 acres
Building Area -	0.53 acres
Lot Coverage -	15%

ISSUES/ANALYSIS

Site Design

The Benson Reservoir Replacement and Improvements Project includes construction of a new water storage reservoir and associated infrastructure improvements within the existing Benson Water Treatment Plant (WTP).

The project will replace the existing 1.5-million-gallon steel reservoir with a new approximately 7.85-million-gallon prestressed concrete reservoir, significantly increasing storage capacity and improving overall system reliability. The new reservoir will be located in the northwestern portion of the site, in an area that is relatively flat, proximate to existing facilities, and optimally positioned to maximize tank diameter and storage capacity while avoiding conflicts with existing infrastructure.

The selected location is bounded by the property line to the north and west, Well 9 and associated piping to the south, and existing WTP facilities to the east. This configuration allows efficient integration with existing operations while maximizing usable storage volume.

The project also includes realignment and installation of new inlet and outlet pipelines to connect the reservoir to the Benson WTP and Booster Pump Station. The inlet pipeline will be located along the northeast quadrant of the reservoir and will consolidate multiple water sources to improve operational efficiency. Outlet piping will discharge through an underground vault equipped with a check valve to prevent water backflow, with pipe diameters ranging from approximately 20 to 24 inches.

Reservoir Structure

During the design evaluation process, a prestressed concrete reservoir was selected over a steel alternative due to its suitability for larger storage capacity, lower lifecycle cost, reduced maintenance requirements, and improved long-term performance. A flat roof configuration was also selected to provide a lower overall profile compared to a dome roof and to better suit Southern California conditions through its column-supported system, which enhances seismic performance. The increased height of the proposed reservoir supports compliance with current

structural and operational design standards and addresses deficiencies in the existing reservoir, including inadequate freeboard capacity. A comparison of the existing and proposed reservoirs is provided below.

	Existing Reservoir	Proposed Reservoir
Maximum Storage Capacity	1.5 million gallons	7.85 million gallons
Geometry	Cylindrical	Cylindrical
Diameter	80 feet	172 feet
Height	44 feet	58 feet
Material	Coated Steel Reservoir	Prestressed Concrete Reservoir

The replacement reservoir will be designed in accordance with applicable industry and regulatory standards, including the American Water Works Association, State Water Resources Control Board Division of Drinking Water, City of Chino standards, and current structural and seismic design codes to ensure long-term durability and seismic resilience.

Key Benefits

The project provides several critical benefits to the City's water system:

- Replaces aging infrastructure that is near the end of its service life
- Improves seismic safety and structural reliability
- Increases water storage capacity and system resiliency
- Enhances emergency response and fire protection capability
- Improves operational flexibility within the distribution system

Collectively, these improvements will strengthen the reliability and long-term performance of the City's potable water system.

Public Noticing

A 30-day notice was mailed to all property owners within a 300-foot radius of the project site. In addition, a notice was published in the Chino Champion on April 18, 2026, and the City sent information out on the City's social media platforms. In response to the public notice, no comments have been received. The notice meets legal noticing requirements.

ENVIRONMENTAL REVIEW

A Mitigated Negative Declaration (MND) (SCH#2026030443) has been prepared for the Benson Reservoir Replacement and Improvements Project by Dudek (dated March 2026) that was circulated for a 30-day review period from April 20, 2026 to May 20, 2026. The MND identified potentially significant environmental impacts to air quality, biological resources, cultural resources, geology and soils, noise, and tribal cultural resources which could occur as a result of the proposed project. However, mitigation measures have been identified that reduce impacts to less than significant levels. In accordance with state environmental law, the *Mitigation Monitoring Reporting Program (MMRP)* identifies each environmental mitigation measure, the

time in which it will be implemented and the responsible party for monitoring its implementation. A draft copy of the MMRP is attached as Exhibit “A” to Planning’s Conditions of Approval.

RESOLUTION NO. PC2026-010

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CHINO, CALIFORNIA, ADOPTING A MITIGATED NEGATIVE DECLARATION FOR THE BENSON RESERVOIR REPLACEMENT AND IMPROVEMENTS PROJECT (PL26-0026).

WHEREAS, in compliance with the California Environmental Quality Act (CEQA), Dudek has prepared the Benson Reservoir Replacement and Improvements Project Mitigated Negative Declaration (MND), dated March 2026 for PL26-0026 (Special Conditional Use Permit) ("Project"). The MND concludes the proposed Project will not have a significant adverse effect on the environment. Potentially significant effects were identified, and mitigation measures have been incorporated to ensure the effects remain at less than significant levels. The MND satisfies the requirements of the California Environmental Quality Act (CEQA) and the CEQA Guidelines (California Public Resources Code §§21000 *et seq*.; 14 Cal. Code Regs. §§ 15000 *et seq*.); and

WHEREAS, the MND was circulated for a 30-day public review period from April 20, 2026, to May 20, 2026; and

WHEREAS, the proposed Project consists of a Special Conditional Use Permit (SCUP), for a property located at 11840 South Benson Avenue (APN: 1014-401-06); and

WHEREAS, prior to consideration and possible approval of the Project's applications, the Planning Commission has considered the proposed MND and any comments received during the public review process for the Project; and

WHEREAS, the Planning Commission has completed its study of the MND and related materials; and

WHEREAS, on May 20, 2026, the Planning Commission held a duly noticed public hearing to consider the MND in compliance with State law, including compliance with the relevant provisions of the California Government Code and Chino Municipal Code, entertained the written and oral report of staff, and took public testimony on the Project.

NOW, THEREFORE, the Planning Commission of the City of Chino, California, does hereby FIND, DETERMINE, and RESOLVE as follows:

A. The foregoing recitals are true and correct and incorporated herein.

B. *Adoption of MND.* The Planning Commission hereby adopts the Benson Reservoir Replacement and Improvements Project, attached hereto as Exhibit "A"; and

C. *Actions by the Planning Commission Secretary.* The Planning Commission Secretary is hereby directed to attest as to the adoption of this Resolution as of the date set forth below and forthwith transmit a copy

of this Resolution, by regular mail, to the Applicant at the address of record set forth in the Application.

PASSED, APPROVED AND ADOPTED THIS 20TH DAY OF MAY 2026.

_____
PLANNING COMMISSION CHAIRPERSON

ATTEST:

_____
SECRETARY, PLANNING COMMISSION

State of California)
County of San Bernardino) §
City of Chino)

I hereby certify the foregoing Resolution was duly adopted by the Chino Planning Commission at a meeting held on the 20th day of May 2026 and entered in the minutes of said Commission.

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

_____
SECRETARY, PLANNING COMMISSION

Attachment: Exhibit “A” – Benson Reservoir Replacement and Improvements Project Mitigated Negative Declaration

Initial Study/Mitigated Negative Declaration

Benson Reservoir Replacement and Improvements Project

MARCH 2026

Prepared for:

CITY OF CHINO
Public Works Department
13220 Central Avenue
Chino, California 91710
Contact: Chi Wai Chan

Prepared by:

DUDEK

2280 Historic Decatur Road, Suite 200
San Diego, California 92106
Contact: Alex Hardy

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AB	Assembly Bill
AQMP	air quality management plan
BMP	best management practice
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CAP	Climate Action Plan
CEQA	California Environmental Quality Act
CH_4	methane
CHRIS	California Historical Resources Information System
City	City of Chino
CMC	Chino Municipal Code
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	CO_2 equivalent
dBA	A-weighted decibels
GHG	greenhouse gas
GWP	global warming potential
HRA	health risk assessment
ips	inches per second
IS	initial study
L_{eq}	equivalent continuous sound level
L_{max}	maximum sound level during the measurement interval
L_{min}	minimum sound level during the measurement interval
LST	localized significance threshold
MEIR	Maximally Exposed Individual Resident
MG	million gallons
MM	Mitigation Measure
MND	mitigated negative declaration
MT	metric ton
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PPV	peak particle velocity

Acronym/Abbreviation	Definition
PRC	California Public Resources Code
project	Benson Reservoir Replacement and Improvements Project
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SLF	Sacred Lands File
SO_2	sulfur dioxide
SO_x	sulfur oxides
SR	State Route
SVP	Society of Vertebrate Paleontology
SWPPP	Stormwater Pollution Prevention Plan
TAC	toxic air contaminant
TCR	Tribal Cultural Resource
USFWS	U.S. Fish and Wildlife Service
VMT	vehicle miles traveled
VOC	volatile organic compound
WTP	Water Treatment Plant

1 Introduction

The City of Chino (City) has prepared this mitigated negative declaration (MND) to assess and disclose the potential impacts on the environment of implementing the Benson Reservoir Replacement and Improvements Project (project) pursuant to the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] Section 21000, et. seq). This section of the MND provides information on project background, explains the project's purpose and need, and describes the City's CEQA obligations associated with approving and implementing the project.

1.1 Project Background and Overview

The City provides potable water service to approximately 89,000 customers through 23,000 active metered service connections. One source of the City's water supply is the Benson Water Treatment Plant (WTP), located in an approximately 4.5-acre City-owned property at 11840 South Benson Avenue, in the northern portion of the City's incorporated boundaries. The Benson WTP treats water from two on-site groundwater wells, referred to as Wells 5 and 9, and one off-site groundwater well, referred to as Well 10. Water treated at the Benson WTP is stored in a 44-foot tall, 80-foot diameter, 1.5 million gallon (MG) cylindrical steel reservoir adjacent to the Benson WTP, known as Reservoir 3, or Benson Reservoir. Water from the reservoir is pumped to City customers by the on-site Benson Booster Pump Station (BPS). Benson Reservoir also stores treated water from the City's Reservoir 5, which is transmitted to the site via a 24-inch-diameter main in South Benson Avenue. In addition to its role in potable water storage, Benson Reservoir is an important part of the City's fire-suppression system and is required to maintain adequate pressure for service during an emergency.

Benson Reservoir was constructed and commissioned in 1961. A condition assessment by the City determined the reservoir is in poor condition and is nearing the end of its service life. Benson Reservoir is deficient of current seismic standards, with inadequate freeboard capacity above the maximum operating level, insufficient foundation anchoring, and a foundation that likely does not meet seismic load requirements. The City is planning to replace and upsize the Benson Reservoir to ensure its ability to provide a safe and reliable source of potable water to its customers and a source of fire suppression water.

1.2 California Environmental Quality Act Compliance

1.2.1 Authority to Prepare an MND

Approval by the Chino City Council to issue a construction contract for the project constitutes a discretionary public action that triggers environmental review requirements pursuant to CEQA, with the City serving as lead agency. The City prepared a CEQA initial study (IS) to analyze and consider the environmental impacts of implementing the project, which is included as Chapter 3 of this document. Based on the results of the IS, the City determined that an MND is the appropriate environmental document for compliance with CEQA. As stated in Section 21064 of the CEQA statute, an MND may be prepared for a project subject to CEQA when an IS has identified no potentially significant effects on the environment when mitigation is identified that can reduce impacts to less-than-significant levels. The Mitigation, Monitoring, and Reporting Program (MMRP) for the project is included in Appendix A.

1.2.2 Public Review and MND Adoption Process

The City is making the MND available for public review and comment pursuant to Section 15073 of the CEQA Guidelines. A copy of the MND and related documents are available for review on the City's website (https://www.cityofchino.org/591/Environmental-Documents). The City has identified a 30-day review and comment period for the MND.

Written comments on the MND may be submitted to the City before the end of the public review period. In reviewing and commenting on the MND, interested public agencies and members of the public should focus on the adequacy of the document in identifying and analyzing the project's potential impacts on the environment. Written comments on the MND would be accepted in hard copy or email format, and must be received at the following street address or email address:

City of Chino
13220 Central Avenue
Chino, California 91710
Contact: Chi Wai Chan
Email: cchan@cityofchino.org

Following the close of the public comment period, City staff would review all comments and may revise the MND if necessary to clarify the document's content. City staff would prepare a final version of the MND and send it to the City Council for consideration of official adoption.

The environmental impact review presented in this MND is based on initial project design and information provided by City staff and the engineering design consultant. As additional design is completed following the City Council's adoption of the MND, City staff would review project details, compare them to the information presented in the MND, and determine conformance with the project's CEQA record. Minor deviations from the design assumed in the MND may be addressed either by a consistency determination by City staff or by an addendum to the MND. If subsequent changes in the project are substantial to the extent that they "require major revisions of the previous…negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects," then the City would be required by Section 15162 of the CEQA Guidelines to prepare a subsequent MND, initiate an additional CEQA public review period, and send the subsequent MND to the City Council for adoption.

2 Project Description

2.1 Project Location and Environmental Setting

The project is located in the northern portion of the City, which is in southwestern San Bernardino County, as shown in Figure 1, Project Location. The project site is located within an approximately 4.5-acre rectangular parcel owned by the City at 11840 South Benson Avenue. The project site is in a developed part of the City that primarily features residential, commercial, and medical office uses. To the north, the project site is bounded by commercial and residential uses. To the east, the project site is bounded by South Benson Avenue, which represents a portion of Chino's municipal boundary with the City of Ontario, followed by residential uses. To the south, the project site is bounded by vacant, undeveloped land followed by residential and medical office uses. To the west, the project site is bounded by vacant, undeveloped land followed by residential uses. Regional access to the project site is from State Route (SR) 60, which is approximately 0.5 miles to the south; SR 83, which is approximately 1.7 miles to the east; and Interstate 10, which is approximately 3.3 miles to the north.

The project site is surrounded by a combination of masonry block wall and steel chain link fence, with a gated driveway access off South Benson Avenue. The site is flat and is developed with existing components of the City's water system, described below in Section 2.2, along with several mature, ornamental trees and scattered non-native shrubs. A retention basin that captures stormwater runoff from the site and overflow from the existing reservoir is located in the southern portion of the site.

2.2 Existing Benson Water Treatment Plant Complex

The 4.5-acre project site features existing water production, treatment, and storage facilities that make up the Benson WTP complex. These facilities are depicted in Figure 2, Project Site and Existing Features. Well 5, located in the eastern part of the site, and Well 9, located in the southwestern corner of the site, pump groundwater from the underlying aquifer. Both wells are housed inside small structures. Water produced at these wells is treated in a granular activated carbon system located in the southern portion of the project site and an ion exchange treatment system located in the central portion of the site. The ion exchange treatment system is partially housed in an aluminum-sided structure, with additional tanks positioned adjacent to the structure. The existing Benson Reservoir is immediately east of the ion exchange treatment system building in the center of the site. The existing Benson Reservoir stores treated water from the on-site wells (treated on-site) and treated water pumped from the off-site Reservoir 5 and Well 10. Water stored in Benson Reservoir is pumped into the City's distribution system via a booster pump station located in the southern portion of the project site, east of the granular activated carbon system tanks. East of the booster pump station is a retention basin that receives water discharged from the system and on-site stormwater runoff. The system components are connected by a matrix of underground pipes that feature aboveground valves. A series of underground pipes connect the site to pipelines that run beneath Benson Avenue east of the site.

A concrete brow ditch is located along a portion of the site's southern border, collecting runoff from the western portion of the site and diverting it to the retention basin. On-site vehicle and equipment access and circulation is provided via a 15-foot-wide asphalt-paved loop road located in the southern portion of the site. Elsewhere around the project site, vehicle and equipment access occurs on gravel base and compacted bare ground. Open areas within the project site are used for miscellaneous material storage.

2.3 Project Characteristics

The project entails constructing and operating a replacement for the existing Benson Reservoir within the City's Benson WTP complex, connecting the replacement reservoir to the system, and demolishing the existing reservoir. These components are described below and depicted in Figure 3, Site Plan. Project details presented in this section are derived from the Preliminary Design Report for the Benson Reservoir Replacement and Improvements (Dudek 2025).

2.3.1 Replacement Reservoir

The replacement reservoir would be a concrete cylindrical tank located in the northwestern corner of the site, west of the ion exchange treatment system, north of Well 9, and east and south of the fenced property boundary. The replacement reservoir's exterior would be unfinished concrete. The replacement reservoir is planned to have a capacity of 7.85 million gallons (MG), an increase in size from the existing 1.5 MG reservoir. The larger reservoir would expand the City's water-storage capabilities and enhance the system's operational flexibility, furthering the City's ability to provide a reliable source of water to its customers. The increase in size would be realized by constructing a tank with a larger diameter (172 feet) and taller height (58.25 feet).

The replacement reservoir would be designed to meet all applicable seismic stability requirements and structural design standards, correcting the deficiencies in the existing tank, which was constructed in 1961 and predated contemporary standards. The replacement reservoir would be an AWWA D110 Type 1 prestressed concrete reservoir with cast-in-place concrete core wall, horizontal strand prestressing, and vertical post-tensioning. The core wall would be supported by a concrete spread footing, and the floor consists of a concrete slab on-grade with elevated column footings. As with the current Benson Reservoir, water would be pumped from the tank and into the City's distribution system by the on-site booster pump station. An overflow structure would be installed to allow excess water to safely exit the reservoir in the unanticipated event of overfilling the reservoir without damaging the structure. Overflow water would exit through the floor of the reservoir and enter a belowground gravity drain pipe leading to the on-site percolation basin.

2.3.2 Inlet and Outlet Piping Realignment

Inlet and outlet piping to and from the existing reservoir would be realigned to connect the replacement reservoir to the on-site treatment facilities and booster pump station. Inlet piping into the replacement reservoir is anticipated to use a single pipeline along the northeast quadrant of the tank shell, combining the water sources from off-site Reservoir 5 and the on-site Benson WTP to reduce the amount of infrastructure the City has to maintain. Outlet piping would exit through the reservoir floor to an underground vault containing a slanted disc check valve that would prevent backflow into the reservoir. The new outlet piping would then travel east to the existing booster pump station where it would connect into the existing reservoir's outlet piping before entering the booster pump station. Pipes are anticipated to vary from 20 to 24 inches in diameter, similar to the existing inlet and outlet piping.

2.3.3 Access Road and Site Security Improvements

A 15-foot-wide Class II base access road with concrete curb and gutters would be installed around the perimeter of the replacement reservoir. The perimeter access road would also include an additional turn-around section on the southern end of the reservoir extending to the existing concrete brow ditch along the southern property line,

spanning across the vacant space between Well 9 and the granular activated carbon system. This additional turn-around area would provide City operations staff with ample room for maneuvering maintenance vehicles and conveying storm water runoff around the proposed reservoir to the existing brow ditch and ultimately to the infiltration basin.

The project would entail replacing the chain-link fence along the property's north and west perimeter with block wall per the City's specifications. Barbed wire would be placed on top of all new and existing perimeter fencing to enhance site security. The existing chain-link fence along the southern project boundary would remain as is. The existing automatic access gate would be replaced in the same location with a new automatic gate per the City's specifications. A pole-mounted camera security system would be installed in the northwest corner of the site. Security lighting would be installed on the outside of the replacement reservoir next to the ladder.

2.3.4 Retention Basin Improvements

Stormwater drainage improvements would be required due to the addition of impervious surfaces from the wider reservoir tank and additional paved access road. The existing retention basin would be improved to accommodate increased site flows and potential overflow from the reservoir. The improvements would result in a temporary impact boundary coming off the proposed access road, to install the overflow pipe outlet from the new reservoir and recontour the existing retention basin's northern slope. In addition to these improvements, a new retention basin would be constructed to the east of the existing retention basin.

2.3.5 Demolition of Existing Reservoir

After construction of the new reservoir, the existing 1.5 MG steel reservoir would be demolished. Demolition would include the entire reservoir structure (i.e., walls, footing, roof, floor, etc.), as well as all reservoir appurtenances (i.e., interior piping, ladders, hatches, etc.). The existing reservoir shall remain in service until the new reservoir is commissioned and on-line.

2.4 Construction Phasing and Schedule

Table 2-1 presents the anticipated construction phasing, equipment usage, and duration assumed for the project for purposes of environmental impact analysis in this MND. These assumptions were developed in consultation with the project design engineers for consideration in Section 3.3, Air Quality; Section 3.6, Energy; Section 3.8, Greenhouse Gas Emissions; and Section 3.13, Noise. Construction is anticipated to begin Fall 2027, with a total duration of project construction anticipated at approximately 12 months, with some construction phases overlapping. Typical construction work hours would be Monday through Friday, 7:00 a.m. to 5:30 p.m., consistent with specifications in the Chino Municipal Code (CMC). Night work is not anticipated.

Table 2-1. Anticipated Construction Phasing and Equipment

Construction Phase	Anticipated Equipment	Estimated Duration
Mobilization and Clearing	Graders	2 weeks
	Tractors/Loaders/Backhoes	
	Scrapers	
Grading	Graders	5 weeks
	Tractors/Loaders/Backhoes	

Table 2-1. Anticipated Construction Phasing and Equipment

Construction Phase	Anticipated Equipment	Estimated Duration
	Rubber Tired Dozers	
Reservoir Construction	Cranes	32 weeks
	Forklifts	
	Generator Sets	
	Tractors/Loaders/Backhoes	
	Welders	
	Cement and Mortar Mixers	
Yard Piping and Vaults	Trenchers	8 weeks
	Skid Steer Loaders	
Site Drainage Improvements	Tractors/Loaders/Backhoes	6 weeks
	Excavators	
	Skid Steer Loaders	
Backfill and Compact	Tractors/Loaders/Backhoes	3 weeks
	Plate Compactors	
Landscaping and fence installation	Tractors/Loaders/Backhoes	2 weeks
	Rough Terrain Forklifts	
	Plate Compactors	
Paving	Tractors/Loaders/Backhoes	1 week
	Pavers	
	Paving Equipment	
	Rollers	
	Cement and Mortar Mixers	
Architectural Coating	Air Compressors	3 weeks
Demolish Existing Tank	Tractors/Loaders/Backhoes	8 weeks
	Rubber Tired Dozers	
	Concrete/Industrial Saws	

2.5 Project Operation

Project operation is anticipated to entail similar activity as under current conditions, and there would be no increase in staffing to operate the proposed replacement facility. Occasional maintenance work would likely increase slightly due to the larger size of the replacement reservoir and retention basin and the addition of a new retention basin.

2.6 Permits and Approvals

The City of Chino is the CEQA lead agency, with the Chino City Council holding primary responsibility for adopting this MND and approving commencement of project construction. The project would also require the issuance of a

site development permit by the City Planning and Engineering Department for the proposed site development. Other public agency approvals include the following:

- An amendment to the existing Domestic Water Supply Permit by the Department of Public Health Division of Drinking Water
- The Santa Ana Regional Water Quality Board (SARWQB) would serve as a responsible agency under CEQA for their approval of a stormwater pollution prevention plan (SWPPP) in compliance with the Construction General Permit.

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3 Initial Study Checklist

1. **Project title:**

   Benson Reservoir Replacement and Improvements Project

2. **Lead agency name and address:**

   City of Chino
   13220 Central Ave
   Chino, California 91710

3. **Contact person and phone number:**

   Chi Wai Chan
   Public Works Department
   13220 Central Avenue
   Chino, California 91710
   909.334.3329

4. **Project location:**

   The project is located in the northern portion of the City of Chino within a 4.5-acre parcel at 11840 South Benson Avenue, Chino, California.

5. **Project sponsor's name and address:**

   City of Chino
   13220 Central Ave
   Chino, California 91710

6. **General plan designation:**

   Public/Institutional

7. **Zoning:**

   P (Public)

8. **Description of project. (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary):**

   Refer to Section 2, above.

9. **Surrounding land uses and setting: Briefly describe the project's surroundings:**

   Refer to Section 2.1, above.

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

    Santa Ana Regional Water Quality Board

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

    Refer to Sections 3.5 and 3.18, below.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology and Soils	☐ Greenhouse Gas Emissions	☐ Hazards and Hazardous Materials
☐ Hydrology and Water Quality	☐ Land Use and Planning	☐ Mineral Resources
☐ Noise	☐ Population and Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities and Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

March 9, 2026

Date

Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
    a. Earlier Analysis Used. Identify and state where they are available for review.
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c. Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
    a. the significance criteria or threshold, if any, used to evaluate each question; and
    b. the mitigation measure identified, if any, to reduce the impact to less than significance

3.1 Aesthetics

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
I.	**AESTHETICS** – Except as provided in Public Resources Code Section 21099, would the project**:**				
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

a) Would the project have a substantial adverse effect on a scenic vista?

Less-than-Significant Impact. Scenic vistas generally refer to views of expansive open space areas or other natural features, such as mountains, undeveloped hillsides, large natural water bodies, or coastlines. Certain urban settings or features, such as a striking or renowned skyline, may also represent a scenic vista. Scenic vistas, as assessed under CEQA, are generally accessible from public vantage points, such as public roadways and parks.

The City's General Plan EIR describes the views toward the San Gabriel Mountains to the north and Chino Hills to the south as scenic vistas (City of Chino 2025a). Distant views of the San Gabriel Mountains to the north and Chino Hills to the south are obscured by distance and the intervening streetscape and development. The project site is in a developed part of the City that primarily features single-family residences and commercial uses. Public streets and sidewalks in the vicinity of the project site offer views of the San Gabriel Mountains and Chino Hills that are typically obscured by the presence of mature trees and buildings in the foreground. There are no unobstructed scenic vistas of the mountains or hills within the area surrounding the project site. Various trails in the mountains and hills miles north and south of the project site offer expansive scenic vistas of the City below. The project site would be limited to distant elements in those views and is not a key focal points from those public vantagepoints, as the project site would blend in with the rest of its developed surroundings.

Project construction would result in temporary visual changes to the Benson WTP complex, including the presence of excavated areas and staging of construction equipment. Visible construction features would not obstruct scenic vistas. Upon completion of construction, these temporary visual changes would cease. The project entails constructing and operating a replacement reservoir for the existing Benson Reservoir within the City's Benson WTP complex. This would alter views of the project site from surrounding areas compared to pre-construction conditions as the replacement reservoir would be approximately 9.75 feet taller than the existing reservoir and located west of the existing reservoir. Similar to the existing reservoir, the replacement reservoir would be visible from public vantagepoints on the streets and sidewalks along portions of South Benson Avenue, Philadelphia Street, Vernon Avenue, and Adams Street, as well as from private residences in the vicinity of the WTP complex. As under existing conditions, views of the replacement reservoir would be partially shielded from off-site views by existing trees and development in the project area. The replacement reservoir would not block scenic vistas. The replacement reservoir would not be a focal point of distant views of the area from public trails in the mountains and hills to the north and south. Because the project would not obstruct or negatively affect scenic vistas, impacts would be less than significant.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. There are no designated state scenic highways in the vicinity of the project site. The nearest eligible scenic highway is a segment of State Route (SR) 142 located approximately 4.8 miles southwest of the project site (Caltrans 2024). Due to intervening development and distance, the project site is not visible from this segment of SR 142. Therefore, the project would not substantially damage scenic resources within a state scenic highway and no impact would occur.

c) In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less-than-Significant Impact. Per PRC Section 21071, an "urbanized area" is defined as "(a) An incorporated city that meets either of the following criteria: (1) Has a population of at least 100,000 persons. [or] (2) Has a population of less than 100,000 persons if the population of that city and not more than two contiguous incorporated cities combined equals at least 100,000 persons." The project site is located in the incorporated City of Chino, which has a population of 91,403 persons as of the 2020 census (U.S. Census Bureau 2020). However, with the incorporation of the population of a contiguous city, such as the City of Ontario, which has a population of 182,457 as of the 2020 census, the project site is considered to be located in an urbanized area (U.S. Census Bureau 2020).

As discussed in Section 3.1(a), the project site is not visible from any prominent public viewpoints. Temporary visible elements associated with the project include presence of excavated areas and staging of construction equipment. Visual impacts resulting from construction activities would be temporary, ceasing upon completion of construction.

The project would not conflict with any applicable zoning or other regulations governing scenic quality. The project site is not subject to overlay zones or other such designations specific to scenic resources or quality.

The project entails constructing and operating a replacement reservoir for the existing Benson Reservoir within the City's Benson WTP complex, which would not change the site's existing use or result in a substantial change to the complex's visual character. Similar to the existing reservoir, the replacement reservoir would be visible from portions of South Benson Avenue, Philadelphia Street, Vernon Avenue, and Adams Street and would be partially shielded from off-site views by existing trees and development in the project area. The project would result in the continued use of the site as a WTP and would not substantially differ visually from its current use. The replacement reservoir would be taller than the existing reservoir; however, the taller replacement reservoir would not degrade visual character because the project would not present elements that are visually incompatible with the existing setting. Implementation of the project would not conflict with the applicable zoning and other regulations governing scenic quality. Impacts would be less than significant.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less-than-Significant Impact. The project is located in an urban area with existing sources of nighttime lighting from roadways, residences, and the existing Benson WTP complex. Existing lighting at the Benson WTP complex consists of lighting within facilities. No nighttime work would occur during construction of the project. The proposed project would involve replacement of the reservoir, inlet and outlet piping realignment, access road and site security improvements, retention basin improvements, and construction of a new retention basin. As part of the site security improvements, new lighting would consist of energy-efficient fixtures designed to minimize light and glare. The materials that would be used for the project would not be reflective in nature and would not serve as a new source of glare (such as large areas of glass). Given the urban location and the presence of existing nighttime lighting, the proposed lighting improvements are not expected to result in significant changes to the ambient light levels in the area. As such, impacts would be less than significant.

3.2 Agriculture and Forestry Resources

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
II.	**AGRICULTURE AND FORESTRY RESOURCES** – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d)	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

a) Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. According to the California Department of Conservation's California Important Farmland Finder database, the project site and its immediate surroundings are classified as "Urban and Built-Up Land" (DOC 2024a). The project would not be located on land classified as Farmland pursuant to the Farmland Mapping and Monitoring Program and would therefore not convert any Farmland to non-agricultural use. Additionally, the project site and its immediate surroundings are not classified as important farmland on Map HEQ-7,

Regional Open Space, of the City of Chino General Plan Health and Environmental Quality Element (City of Chino 2025b). Given these conditions, the project would have no potential to impact agricultural resources. No impact would occur.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The project site is zoned P (Public). The project site is bordered by areas zoned RD1 (Residential/Agricultural) in the City of Chino (City of Chino 2022), and areas zoned AR-2 (Residential-Agricultural) in the City of Ontario (City of Ontario 2016). The purpose of the RD-1 district is to provide for very large lot residential development in a rural environment, and the purpose of the RD-2 district is to provide large lot residential development in a nonurbanized environment (City of Chino 2024). The proposed project activities would be limited to the Benson WTP complex, which is zoned for public use, and would not impact adjacent residential/agricultural zones. Additionally, there are no existing lands under a Williamson Act contract within the City (DOC 2024b). Therefore, the project would not conflict with existing zoning for agricultural use or a Williamson Act contract. No impact would occur.

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

No Impact. The project site and surrounding areas are not zoned for nor contain any forest land or timberland. The proposed project would not involve any activities that would impact or require the rezoning of forest or timberland resources. Therefore, the project would not conflict with or cause the rezoning or conversion of forest land or timberland. No impact would occur.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact**.** Refer to Section 3.2(c). The project site is not located on or near any forest land, and no activities associated with the project would affect forest resources. No impact would occur.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. Refer to Sections 3.2(a) through 3.2(d). The project would be located within the Benson WTP complex and is not located on land with existing agricultural uses, Farmland, or forest lands. Therefore, the project would not involve other changes that could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use. No impact would occur.

3.3 Air Quality

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
III.	**AIR QUALITY** – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a)	Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b)	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c)	Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐
d)	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

This section is based on technical analysis conducted by Dudek, including quantitative estimates of air pollutant emissions based on assumptions developed in consultation with the project design engineers. The results of the emissions estimates are provided as Appendix B, Air Quality and Greenhouse Gas Modeling, to this IS/MND.

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less-than-Significant Impact. The project site is located within the South Coast Air Basin (SCAB), which includes all of Orange County and the western, non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The site is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD).

The SCAQMD administers the SCAB's air quality management plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS). The most recently adopted AQMP for the SCAB is the 2022 AQMP (SCAQMD 2022). The 2022 AQMP provides the regional path towards improving air quality and meeting federal standards for air pollutants. The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low oxides of nitrogen [NO_x] technologies in other applications), best management practices (BMPs), co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other Clean Air Act measures to achieve the 2015 federal ozone (O_3) standard by 2037 (SCAQMD 2022).

The purpose of a consistency finding with regard to the AQMP is to determine if a project is consistent with the assumptions and objectives of the 2022 AQMP, and if it would interfere with the region's ability to comply with federal and state air quality standards. The SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3 of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- **Consistency Criterion No. 1:** Whether the project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- **Consistency Criterion No. 2:** Whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed under Section 3.3(b). Detailed results of this analysis are included in Appendix B. As presented in that analysis and summarized in Section 3.3(b), the proposed project would not generate construction or operational criteria air pollutant emissions that exceed the SCAQMD's thresholds, and the project would therefore be consistent with Criterion No. 1.

The second criterion regarding the potential of the proposed project to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase is primarily assessed by determining consistency between the proposed project's land use designations and its potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (SCAQMD 1993). The SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, and employment by industry) developed by the Southern California Association of Governments (SCAG) for its Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). Thus, demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by SCAG for their 2020-2045 RTP/SCS were used to estimate future emissions in the 2022 AQMP (SCAQMD 2022; SCAG 2020).[1,2] The SCAG 2020–2045 RTP/SCS, and associated Regional Growth Forecast, are generally consistent with the local plans; therefore, the 2022 AQMP is generally consistent with local government plans.

The project site is located within an approximately 4.5-acre rectangular parcel owned by the City at 11840 South Benson Avenue. The project site currently houses the Benson WTP. The project would not change the use of the existing Benson WTP and would be consistent with the underlying land use and zoning designations. The project entails constructing and operating a replacement for the existing Benson Reservoir within the City's Benson WTP complex, connecting the replacement reservoir to the system, and

1 SCAG adopted Connect SoCal 2024, the 2024-2050 RTP/SCS (SCAG 2024), but the growth projections therein have not yet been incorporated into an adopted AQMP.

2 Information necessary to produce the emission inventory for the SCAB is obtained from the SCAQMD and other governmental agencies, including CARB, the California Department of Transportation, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic Projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into their Travel Demand Model for estimating/Projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities Projections in their 2020–2045 RTP/SCS are integrated in the 2022 AQMP (SCAQMD 2022).

demolishing the existing reservoir. Upon completion, the project would not result in an increase in operational employees. Therefore, the project would not result in substantial unplanned population growth in the area. Accordingly, the project does not conflict with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development and does not propose activities that would induce additional population in the project area. Impacts would be less than significant.

b) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less-than-Significant Impact. Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used to determine whether a project's individual emissions would have a cumulatively considerable contribution to air quality. If a project's emissions would exceed the SCAQMD significance thresholds, it would be considered to have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant (SCAQMD 2003).

A quantitative analysis was conducted to determine whether the proposed project might result in emissions of criteria air pollutants that may cause exceedances of the NAAQS or CAAQS, or cumulatively contribute to existing nonattainment of ambient air quality standards. Criteria air pollutants include O_3, nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. Pollutants that are evaluated herein include volatile organic compounds (VOCs) and NO_x, which are important because they are precursors to O_3, as well as CO, sulfur oxides (SO_x), PM_{10}, and $PM_{2.5}$.

Regarding NAAQS and CAAQS attainment status,[3] the SCAB is designated as a nonattainment area for national and California O_3 standards and $PM_{2.5}$ standards. The SCAB is designated as a nonattainment area for California PM_{10} standards; however, it is designated as an attainment area for national PM_{10} standards. The SCAB is designated as an attainment area for national and California CO standards, national and California NO_2 standards, and national and California SO_2 standards (EPA 2025; CARB 2023).

The proposed project would result in emissions of criteria air pollutants for which CARB and EPA have adopted ambient air quality standards (i.e., the NAAQS and CAAQS). Projects that emit these pollutants have the potential to cause, or contribute to, violations of these standards. SCAQMD has established Air Quality Significance Thresholds, as revised in March 2023, that set forth quantitative emission significance thresholds below which a project would not have a significant impact on ambient air quality (SCAQMD 2023). The quantitative air quality analysis provided herein applies the SCAQMD thresholds identified in Table 3.3-1 to determine the potential for the project to result in a significant impact under CEQA.

[3] An area is designated as in attainment when it is in compliance with the NAAQS and/or the CAAQS. These standards for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare are set by the U.S. Environmental Protection Agency and CARB, respectively. Attainment = meets the standards; attainment/ maintenance = achieves the standards after a nonattainment designation; nonattainment = does not meet the standards.

Table 3.3-1. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	**Construction (pounds per day)**	**Operation (pounds per day)**
VOCs	75	55
NO_x	100	55
CO	550	550
SO_x	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Lead[a]	3	3
Toxic Air Contaminants (TACs) and Odor Thresholds		
TACs[b]	Maximum incremental cancer risk ≥10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥1 in 1 million) Chronic and acute hazard index ≥1.0 (Project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality Standards for Criteria Pollutants[c]		
NO_2 1-hour average NO_2 annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.030 ppm (state) and 0.0534 ppm (federal)	
CO 1-hour average CO 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)	
PM_{10} 24-hour average PM_{10} annual average	10.4 μg/m³ (construction)[d] 2.5 μg/m³ (operation) 1.0 μg/m³	
$PM_{2.5}$ 24-hour average	10.4 μg/m³ (construction)[d] 2.5 μg/m³ (operation)	

Source: SCAQMD 2023.
Notes: SCAQMD = South Coast Air Quality Management District; VOC = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; TAC = toxic air contaminant; NO_2 = nitrogen dioxide; ppm = parts per million by volume; μg/m³ = micrograms per cubic meter.
Greenhouse gas emissions thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not include included in this table as they are addressed within the greenhouse gas emissions analysis and not the air quality analysis.

[a] The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.
[b] TACs include carcinogens and noncarcinogens.
[c] Ambient air quality standards for criteria pollutants are based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.
[d] Ambient air quality threshold are based on SCAQMD Rule 403.

A project would result in a cumulatively considerable net increase for O_3, which is a nonattainment pollutant, if the proposed project's construction or operational emissions would exceed the SCAQMD VOC or NO_x thresholds shown in Table 3.3-1. These emission-based thresholds for O_3 precursors are intended to serve as a surrogate for an O_3 significance threshold (i.e., the potential for adverse O_3 impacts to occur)

because O_3 itself is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (i.e., VOCs and NO_x) on O_3 levels in ambient air cannot be determined reliably or meaningfully through air quality models or other quantitative methods.

California Emissions Estimator Model (CalEEMod) Version 2022.1.1.30 was used to estimate emissions from construction of the project. CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant emissions associated with construction and operational activities from a variety of land use projects, including recreational development. The following discussion summarizes the quantitative project-generated construction and operational emissions and impacts that would result from implementation of the proposed project.

Construction Emissions

Construction of the proposed project would include demolition, site preparation, reservoir construction, and associated facilities installation. These construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (e.g., off-road construction equipment, and soil disturbance) and off-site sources (e.g., vendor trucks, haul trucks, and worker vehicle trips). Specifically, entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. Internal combustion engines used by construction equipment, haul trucks, vendor trucks (i.e., delivery trucks), and worker vehicles would result in emissions of VOC, NO_x, CO, PM_{10}, and $PM_{2.5}$. Construction emissions can vary substantially from day to day depending on the level of activity; the specific type of operation; and, for dust, the prevailing weather conditions.

Proposed project construction emissions were estimated using a combination of CalEEMod default assumptions and information provided by the project engineer. It was assumed that approximately 8,580 cubic yards of material would be exported during demolition and graded soils would be balanced on site. Construction is anticipated to begin Fall 2027 and would last approximately 12 months. Air quality emissions modeling assumed that construction of the project would commence in August 2026, which would produce conservative results as construction equipment becomes more efficient over time.. Default values for horsepower and load factor provided in CalEEMod were used for all construction equipment. For the analysis, it was generally assumed that heavy-duty construction equipment would be operating at the site 5 days per week, up to a maximum of 8 hours per day. Typical construction work hours would be Monday through Friday, 7:00 a.m. to 5:30 p.m. Night work is not anticipated

Emissions generated during construction and operation of the project are subject to the rules and regulations of the SCAQMD. Rule 403, Fugitive Dust,[4] requires the implementation of measures to control the emission of visible fugitive/nuisance dust, such as wetting soils that would be disturbed. It was assumed that the active sites would be watered at least two times daily, to represent compliance with SCAQMD standard dust control measures in Rule 403.

[4] SCAQMD Rule 403 requires implementation of various best available fugitive dust control measures for different sources for all construction activity sources within its jurisdictional boundaries. Dust control measures include, but are not limited to, maintaining stability of soil through pre-watering of site prior to clearing, grubbing, cut and fill, and earth-moving activities; stabilizing soil during and immediately after clearing, grubbing, cut and fill, and other earth-moving activities; stabilizing backfill during handling and at completion of activity; and pre-watering material prior to truck loading and ensuring that freeboard exceeds 6 inches. Although SCAQMD Rule 403 requires fugitive dust control beyond watering control measures, compliance with Rule 403 is represented in CalEEMod by assuming twice daily watering of active sites (61% reduction in PM_{10} and $PM_{2.5}$ [CAPCOA 2022]).

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions without mitigation for both summer and winter periods are summarized in Table 3.3-2. Detailed construction model outputs are presented in Appendix B.

Table 3.3-2. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Unmitigated

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer						
2026	1.48	13.99	15.37	0.03	3.74	1.98
2027	10.18	22.75	31.22	0.05	3.2	1.18
Winter						
2026	1.48	14.04	15.2	0.03	3.74	1.98
2027	1.55	13.35	17.59	0.43	0.73	0.47
Maximum Daily Emissions	***10.18***	***22.75***	***31.22***	***0.43***	***3.74***	***1.98***
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Appendix B.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD= South Coast Air Quality Management District
Emissions estimates include watering of the active sites two times per day per Rule 403 compliance.

As shown in Table 3.3-2, the proposed project's maximum daily construction emissions would not exceed SCAQMD thresholds for any criteria pollutant and impacts would be less than significant.

Operation Emissions

The project entails constructing and operating a replacement for the existing Benson Reservoir within the City's Benson WTP complex, connecting the replacement reservoir to the system, and demolishing the existing reservoir. Upon completion, the project would not result in an increase in operational employees. During long-term operations, as the project would involve the replacement of an existing water reservoir tank and associated facilities, the project would not result in a substantial incremental increase in criteria air pollutants as compared to the existing baseline scenario. Once construction is complete, project operation is anticipated to entail similar routine maintenance and operation as performed by the City for the current facilities. Therefore, the project would not result in an increase in daily vehicle trips to and from the project site and operational criteria pollutants and impacts would be less than significant.

Cumulative

Cumulative localized impacts would potentially occur if a project were to occur concurrently with another off-site project. Schedules for potential future projects near the project area are currently unknown; therefore, potential impacts associated with two or more simultaneous projects would be considered speculative.[5]

[5] The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145).

However, the project is located in an already developed urban area and any future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by the SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SCAQMD Rule 403, Fugitive Dust, which sets forth general and specific requirements for all sites in the SCAQMD.

Therefore, the proposed project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants and impacts would be less than significant during construction and operation.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less-than-Significant Impact with Mitigation Incorporated. Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, the elderly, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

The closest off-site sensitive receptors to the project site are single-family residences located directly across South Benson Avenue, east of the project and adjacent to the northwest corner of the project site.

Localized Significance Thresholds

The SCAQMD recommends a localized significance threshold (LST) analysis to evaluate the potential of localized air quality impacts to sensitive receptors in the immediate vicinity of a proposed project from construction and operation; however, an operational LST analysis is not required for the project due to no substantial on-site sources of localized emissions. For projects that disturb 5 acres or less per day, the SCAQMD *Final Localized Significance Threshold Methodology* (SCAQMD 2008a) includes lookup tables that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance criteria (i.e., the emissions would not cause an exceedance of the applicable concentration limits for NO_2, CO, PM_{10}, and $PM_{2.5}$) without performing project-specific dispersion modeling.

The LST significance thresholds for NO_2 and CO represent the allowable increase in concentrations above background levels in the vicinity of a project that would not cause or contribute to an exceedance of the relevant ambient air quality standards, while the threshold for PM_{10} represents compliance with Rule 403 (Fugitive Dust). The LST significance threshold for $PM_{2.5}$ is intended to ensure that construction emissions do not contribute substantially to existing exceedances of the $PM_{2.5}$ ambient air quality standards. The allowable emission rates depend on the following parameters:

1. Source-Receptor Area in which the project is located
2. Size of the project site
3. Distance between the project site and the nearest sensitive receptor (e.g., residences, schools, hospitals)

The proposed project site is located in Source-Receptor Area 33 (Southwest San Bernardino Valley). The maximum number of acres disturbed on the peak day was estimated using the *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* (SCAQMD n.d.), which provides estimated acres per 8-hour per day per piece of earth-moving equipment. Based on the SCAQMD guidance, it was estimated that the maximum acres on the project site that would be disturbed by off-road equipment would be 2 acres per day; therefore, LSTs for a 2-acre disturbed area were interpolated from the SCAQMD 1- and 2-acre LST thresholds. The nearest sensitive-receptor land use is located adjacent to the project site. Accordingly, the distance in the LST look-up table of 44 meters (145 feet) is assumed.

According to the *Final Localized Significance Threshold Methodology*, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2008a). Trucks and worker trips associated with the project are not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways since emissions would be relatively brief in nature and would cease once the vehicles pass through the main streets. Nonetheless, because the project site is relatively large, vehicle activity may occur within the project boundary (i.e., fence line); therefore, a small portion (i.e., 1,000 feet) of the off-site vehicle travel for worker vehicles, vendor trucks, and haul trucks was conservatively assumed as on-site emissions for the LST analysis.

The maximum daily on-site emissions generated from construction of the proposed project are presented in Table 3.3-3 and are compared to the SCAQMD localized significance criteria to determine whether project-generated on-site emissions would result in potential LST impacts.

Table 3.3-3. Construction Localized Significance Thresholds Analysis - Unmitigated

Year	NO_x	CO	PM_{10}	$PM_{2.5}$
	Pounds per Day			
2026	*13.1*	*14.3*	*3.35*	*1.87*
2027	*21.3*	*28.2*	*2.26*	*0.93*
Maximum Daily Emissions	**21.3**	**28.2**	**3.35**	**1.87**
SCAQMD LST Criteria[a]	*193*	*1,727*	*16*	*7.3*
Threshold exceeded?	**No**	**No**	**No**	**No**

Source: Appendix B.
Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM_{10} = particulate matter with a diameter less than or equal to 10 microns; $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.
The values shown are the maximum summer or winter daily emissions results from CalEEMod. The total values may not add up exactly due to rounding. Emissions estimates include watering of the active sites two times per day per Rule 403 compliance.
[a] Localized significance thresholds are shown for a 1.5-acre disturbed area for a sensitive receptor distance of 25 meters in Source-Receptor Area 11 (South San Gabriel Valley).

As shown in Table 3.3-3, proposed construction activities would not generate emissions in excess of site-specific LSTs, resulting in localized criteria air pollutant emissions impacts less than significant.

CO Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed CO "hotspots." CO transport is extremely limited and disperses rapidly with distance from the source. Under

certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (level of service E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots.

Title 40 of the Code of Federal Regulations, Section 93.123(c)(5), Procedures for Determining Localized CO, PM_{10}, and $PM_{2.5}$ Concentrations (Hot-Spot Analysis), states that "CO, PM_{10}, and $PM_{2.5}$ hot-spot analyses are not required to consider construction-related activities, which cause temporary increases in emissions. Each site which is affected by construction-related activities shall be considered separately, using established 'Guideline' methods. Temporary increases are defined as those that occur only during the construction phase and last 5 years or less at any individual site" (40 CFR 93.123). While project construction would involve on-road vehicle trips from trucks and workers during construction, construction activities would last approximately 12 months and would not require a project-level construction hotspot analysis.

Regarding operations, as the project is anticipated to result in similar traffic volumes as the existing site, project-related mobile emissions are not expected to contribute significantly to CO concentrations and a CO hotspot is not anticipated to occur. In addition, due to continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing. The project would result in a less-than-significant impact to air quality with regard to potential CO hotspots.

Toxic Air Contaminants

The project entails construction activity adjacent to residences, which would expose receptors to common construction emissions that qualify as toxic air contaminants (TAC). The greatest potential for TAC emissions during project construction would be diesel particulate matter emissions from heavy equipment operations and heavy-duty trucks. Use of heavy-duty construction equipment is subject to a CARB Airborne Toxics Control Measure for in-use diesel construction equipment to reduce diesel particulate emissions; use of diesel trucks is also subject to an Airborne Toxics Control Measure. Based on the adjacent residential receptors, a quantitative health risk assessment (HRA) was prepared for the project. The following discussion summarizes the dispersion modeling, HRA methodology, and results for the proposed project; supporting HRA documentation, including detailed assumptions, is presented in Appendix B.

The SCAQMD has adopted a cancer risk threshold of 10 in a million (SCAQMD 2023), which indicates that a person has an additional risk of 10 chances in a million (0.001%) of developing cancer during their lifetime as a result of the air pollution scenario being evaluated. For context, the National Cancer Institute estimates that approximately 40.5% of people will be diagnosed with cancer during their lifetimes (National Cancer Institute 2024). The SCAQMD has also adopted a hazard index less than 1.0, below which indicates that people are not likely to experience any non-cancer health effects (SCAQMD 2023).

The SCAQMD's Modeling Guidance for American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) (SCAQMD 2025) provides guidance to perform dispersion modeling for use in HRAs within the SCAB. The cancer risk parameters for exposure to TACs, such as age-sensitivity factors, daily

breathing rates, exposure period, fraction of time at home, and cancer potency factors used in the analysis herein are based on the values and data recommended by the Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015* (2015 Risk Assessment Guidelines Manual) (OEHHA 2015), as implemented in the Hotspots Analysis and Reporting Program Version 2 (HARP2). Accordingly, this HRA evaluates and reflects conservative, health-protective methodologies to assess health impacts to adults, as well as infants, children, and other sensitive subpopulations.

For risk assessment purposes, PM_{10} in diesel exhaust is considered diesel particulate matter, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on-road vehicle exhaust (e.g., heavy-duty diesel trucks).

Air dispersion modeling was performed using the EPA's AERMOD Version 24142 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 13.0. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected as representative of the project site and project activities. Principal parameters of this modeling are presented in Table 3.3-5.

Table 3.3-5. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters

Parameter	Details
Meteorological Data	The latest 5-year meteorological data for the Chino Airport Station (KCNO) from SCAQMD were downloaded, then input to AERMOD.
Urban versus Rural Option	Urban areas typically have more surface roughness as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. According to SCAQMD guidelines, the urban dispersion option was selected (SCAQMD 205).
Terrain Characteristics	Digital elevation data were imported into AERMOD and elevations were assigned to receptors and emission sources, as necessary. Digital elevation data were obtained through the AERMOD View in the U.S. Geological Survey's National Elevation Dataset format with a resolution of 1 arc-second resolution.
Source Release Characterizations	The following modeling parameters for emissions sources were incorporated into AERMOD. These parameters were obtained from information published by regulatory agencies and represent the best available information at the time of this writing. <u>Construction:</u> ▪ Off-road equipment and trucks were modeled as a line of adjacent volume sources across the project site with a release height of 5 meters, a plume height of 10 meters, and plume width of 10 meters (SCAQMD 2008a).
Receptors	A nested grid of receptors was centered over the project site with the following resolutions: ▪ 20-meter spacing from project site boundary to 100 meters ▪ 50-meter spacing from 100 meters to 500 meters ▪ 100-meter spacing from 500 meters to 1,000 meters

Source: SCAQMD 2008a; SCAQMD 2025.
Notes: AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; SCAQMD = South Coast Air Quality Management District.
See Appendix B for complete model parameter inputs.

The health risk calculations presented herein were performed using the HARP2 Air Dispersion and Risk Tool (ADMRT, Version 22118). The exposure parameters included in HARP2 are described below:

- Maximally Exposed Individual Resident (MEIR): For residential receptors during project construction, TAC exposure was assumed to begin in the 3rd trimester of pregnancy (assumed to be the worst-case scenario for cancer risk per the OEHHA 2015 Risk Assessment Guidelines Manual) for a duration of 1 years.

Results of the construction HRA without mitigation are presented in Table 3.3-6.

Table 3.3-6. Construction Health Risk Assessment Results – Unmitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Cancer Risk – MEIR	Per Million	13.1	10	**Potentially Significant**
Chronic Hazard Index – MEIR	Index Value	0.013	1.0	Less than Significant

Source: Appendix B.
Note: CEQA = California Environmental Quality Act.; MEIR = maximally exposed individual resident.

As shown in Table 3.3-6, the results of the construction HRA for the project demonstrate that the unmitigated construction diesel particulate matter emissions would result in a potential maximum cancer risk at the MEIR that would exceed the 10 in a million-cancer risk threshold; however, construction emissions would be below the Chronic Hazard Index threshold. Therefore, TAC emissions from construction of the project would result in a potentially significant impact. **MM-AQ-1**, which requires use of Tier 4 engines for off-road equipment to reduce diesel particulate matter emissions during project construction, would be incorporated into the project, as detailed below.

Table 3.3-7 summarizes the results of the HRA after implementation of **MM-AQ-1** for construction of the proposed project. After mitigation, TAC exposure from construction diesel exhaust emissions would result in cancer risk below the 10 in 1 million threshold and the Chronic Hazard Index would still be less than the 1.0 threshold. Therefore, after mitigation, the project would result in a less-than-significant impact related to exposure to TAC emissions during construction.

Table 3.3-7. Construction Health Risk Assessment Results – Mitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Cancer Risk – MEIR	Per Million	5.92	10	Less than Significant
Chronic Hazard Index – MEIR	Index Value	0.0058	1.0	Less than Significant

Source: Appendix B.
Note: CEQA = California Environmental Quality Act.; MEIR = maximally exposed individual resident.
Includes implementation of **MM-AQ-1**.

Valley Fever

San Bernardino County is not considered a highly endemic region for Valley Fever. Even if present at the site, construction activities may not result in increased incidence of valley fever. Propagation of valley fever is dependent on climatic conditions, with the potential for growth and surface exposure highest following

early seasonal rains and long dry spells. Valley Fever spores can be released when filaments are disturbed by earth-moving activities, although receptors must be exposed to and inhale the spores to be at increased risk of developing valley fever. Moreover, exposure to valley fever does not guarantee that an individual would become ill—approximately 60% of people exposed to the fungal spores are asymptomatic and show no signs of an infection (U.S Geological Survey 2000).

In order to reduce fugitive dust from the project and minimize adverse air quality impacts, the project would employ dust control measures in accordance with SCAQMD Rules 401 and 403, which limit the amount of fugitive dust generated during construction. These requirements are consistent with California Department of Public Health recommendations for the implementation of dust control measures, including regular application of water during soil-disturbance activities, to reduce exposure to Valley Fever by minimizing the potential that the fungal spores become airborne (California Department of Public Health 2022). Further, regulations designed to minimize exposure to valley fever hazards are included in Title 8 of the California Code of Regulations and would be complied with during the project's construction phase (California Department of Industrial Relations 2025).

In summary, the project would not result in a significant impact attributable to Valley Fever exposure based on its geographic location and compliance with applicable regulatory standards and dust control measures, which would serve to minimize the release of and exposure to fungal spores. Therefore, impacts associated with valley fever exposure for sensitive receptors would be less than significant.

Health Effects of Criteria Pollutants

Short-term project construction would not exceed the significance thresholds for any criteria air pollutants. Once construction is complete, project operation is anticipated to entail similar routine maintenance and operation as performed by the City for the current facilities. Therefore, the project would not result in an increase operational emissions including daily vehicle trips to and from the project site and operational criteria pollutants and impacts would be less than significant.

VOCs and NO_x are precursors to O_3, for which the SCAB is designated as nonattainment with respect to the NAAQS and CAAQS. The health effects associated with O_3 include respiratory symptoms, worsening of lung disease leading to premature death, and damage to lung tissue (CARB 2025a). The contribution of reactive organic gases and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SCAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the O_3 CAAQS/NAAQS tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of quantitative methods to assess this impact. However, the project would not exceed the significance thresholds for VOC or NO_x; therefore, implementation of the project would contribute minimally to regional O_3 concentrations and the associated health effects.

Health effects associated with NO_x and NO_2 (which is a constituent of NO_x) include lung irritation and enhanced allergic responses (CARB 2025b). However, because project generated NO_x emissions would not exceed the significance threshold during construction or operations, the project would not result in potential health effects associated with NO_2 and NO_x.

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (CARB 2025c). CO tends to be a localized impact associated with congested intersections. The associated potential for CO hotspots was discussed previously and determined to be a less-than-significant impact. Thus, the project's CO emissions would not contribute to significant health effects associated with this pollutant.

Health effects associated with particulate matter include premature death and hospitalization, primarily for worsening of respiratory disease (CARB 2025d). Construction of the project would not exceed the LSTs for PM_{10} or $PM_{2.5}$ and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter or obstruct the SCAB from coming into attainment for these pollutants. Due to the minimal contribution of particulate matter during construction and operation, the project is not anticipated to result in health effects associated with PM_{10} or $PM_{2.5}$.

In summary, because implementation of the project would not result in exceedances of the SCAQMD significance thresholds during construction and operation, the potential health effects associated with criteria air pollutants are considered less than significant with mitigation.

Mitigation Measures

MM-AQ-1 Require Use of Tier 4 Off-Road Equipment During Construction.

Prior to the commencement of any construction activities, the Project applicant or its designee shall provide evidence to the City of Chino (City) that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 interim.

An exemption from this requirement may be granted under the following two conditions:

(1) The applicant's construction contractor shall demonstrate that at least three construction fleet owners/operators in San Bernardino County were contacted and that those owners/operators confirmed Tier 4 interim or final equipment could not be located within San Bernardino County during the desired construction schedule.

(2) The proposed replacement equipment has been evaluated using the California Emissions Estimator Model or other industry standard emission estimation method and documentation has been provided to the City to confirm that necessary project-generated emissions reductions are achieved.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less-than-Significant Impact. Based on available information, the project is not anticipated to result in other emissions that have not been addressed under Section 3.3(a) through Section 3.3(c). As such, this analysis focuses on the potential for the project to generate odors.

The analysis of other emissions is focused on the potential for an odor impact to occur. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of the receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be generated from vehicles and/or equipment exhaust emissions during construction of the project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be considered less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities (SCAQMD 1993). The project does not propose and would not engage in any of these activities or other potential activities that would generate operational odors. The project entails constructing and operating a replacement for the existing Benson Reservoir and would not create any new sources of odors during operation. Therefore, the project would result in an odor impact that is less than significant.

3.4 Biological Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES – Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

The following analysis relies on a biological resources assessment utilizing the most recent relevant literature, published research, maps, soil data, biological baseline information, special-status habitats, and species distribution data to assess the potential for biological resources to occur within the project site.

Literature Review

The following data sources were reviewed to assist with the analysis:

- California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB) (CDFW 2024a)
- U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) (USFWS 2024a)
- California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants (Inventory) (CNPS 2024)
- USFWS National Wetlands Inventory Wetland Mapper online viewer (USFWS 2024b)
- CDFW Biogeographic Information and Observation System (CDFW 2024b)
- Current and historical aerial imagery and topographic maps (Google Earth 2024; NETR 2024)

Field Visit

Dudek Biologist Josh Elson performed a field survey on October 17, 2024 from 11:00 a.m. to 1:11 p.m. Temperatures during the survey were between 64°F and 69°F, with 100% cloud cover and wind speeds ranging between 3 and 9 miles per hour. The biological survey included vegetation mapping, the mapping of sensitive biological resources that may be present within the project site, and an evaluation of the potential for special-status species to occur. One vegetation community and two land cover types were identified in the project area during the field visit as shown in Figure 3.4-1, Vegetation Communities and Land Covers. Representative photos of vegetation and land covers within the project site are presented in Appendix C1, Site Photos, to this MND, and species lists are included as Appendix C2, Biological Resources Species Compendium, to this MND

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No Impact. There are 43 special-status plant species and 92 special-status wildlife species with recorded CDFW CNDDB or CNPS Inventory occurrences in the U.S. Geologic Survey's Ontario, California 7.5-minute topographic quadrangle, in which the project is located, and eight surrounding quadrangles (CDFW 2024a; CNPS 2024; USFWS 2024a) or were returned in the USFWS IPaC query. For a full list of species identified within the project sites, see Appendix C.

The study area is primarily developed, with areas of disturbed habitat present in the western and southern portions of the study area, in the vacant fields adjacent to the project parcel. Additionally, there is an area of emergent wetland vegetation dominated by cattail (*Typha spp.*) species present within the retention basin in the central-southern portion of the site.

The fields adjacent to the study area were dominated by Russian thistle (*Salsola tragus*) and other non-native ruderal herbaceous species at the time of the site visit, with a cover of non-native grass also present. The areas appeared to have been recently mowed, and historic aerial imagery indicates that the fields were previously used for agriculture and were subject to associated disturbances (discing, tilling, pesticide/herbicide application) in the past. They are also surrounded by contiguous urban development and isolated from any nearby open spaces or wildlife corridors, with the nearest being Chino Hills State Park 6 miles to the southeast. Furthermore, no ground squirrel burrows were observed in these areas during the site visit. Given these disturbances, the area's isolation, and the lack of observed ground squirrel burrows, these areas are not expected to provide suitable habitat for any special-status plants or wildlife.

The retention basin on site is dominated by cattails, golden crownbeard (*Verbesina encelioides*), common knotweed (*Persicaria lapathifolia*), and sprangletop (*Leptochloa fusca*). Given the small size and isolation of this vegetation community within the surrounding urban development, it is not expected to provide suitable habitat for any special-status plants or wildlife.

No special-status plants or wildlife were found to have a potential to occur (see Appendix C3, Special-Status Plant Species Potential to Occur, and Appendix C4, Special-Status Wildlife Species Potential to Occur, to this MND); therefore, any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or USFWS, is not expected to occur due to the lack of suitable habitat. No impact on these biological resources would occur as a result of the project.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No Impact. The project site primarily supports two land cover types, disturbed habitat and urban/developed, and the project site is located in a relatively flat area (see Figure 3.4-1). There is an area of emergent wetland vegetation dominated by cattail (*Typha* spp.) species present within the retention basin in the central-southern portion of the site, but it is artificial in nature and exists only as a result of runoff from the reservoir. It is isolated from any other waterways and no riparian wildlife species were observed within this area during the site visit. Furthermore, this retention basin is already subject to regular maintenance. As such, this vegetation is of low habitat value.

As part of project improvements, new pipes would be installed in northern side and eastern side of this retention basin to connect the retention basin to the new reservoir and to a new, second retention basin that would be constructed to the east. The vegetation within the existing retention basin would likely be cleared to facilitate these improvements. Given the low habitat value of this vegetation and its relatively small area (approximately 0.13 acre), impacts to riparian habitat would be less than significant.

Besides the retention basin, the project site does not contain any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by CDFW or USFWS. Given these site conditions, no impact to sensitive natural communities would occur as a result of the project.

c) ***Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?***

No Impact. The USFWS's National Wetland Inventory does not show any wetland features within the project site (USFWS 2024b). While there is an area of emergent wetland vegetation present, it is isolated and not connected to a Traditional Navigable Water (EPA 2024), so this feature is not subject to U.S. Army Corp of Engineers jurisdiction (Clean Water Act 1972). Furthermore, it is not subject to the jurisdiction of the Los Angeles RWQCB due to it being an artificial wetland (present as the result of runoff from the reservoir) of less than an acre in area (SWRCB 2021). The project site does not contain any state or federally protected wetlands and no impact to these resources would occur as a result of the project.

d) ***Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?***

Less-than-Significant Impact with Mitigation Incorporated. Wildlife species observed during the biological resources survey include common avian species found in an urbanized settings such as American crow (*Corvus brachyrhynchos*), black phoebe (*Sayornis nigricans*), Anna's hummingbird (*Calypte anna*), and house finch (*Haemorhous mexicanus*). The project site is not located within any designated wildlife corridors or habitat linkages, so impacts on wildlife corridors and habitat connectivity would not occur as a result of the project. However, on-site trees and shrubs provide suitable nesting habitat for bird species protected under the Migratory Bird Treaty Act (16 USC 703–712) and Fish and Game Code Sections 3503.5, 3503, and 3513. Vegetation trimming or removal associated with the project could cause mortality to young or breeding adults and/or destruction of eggs or active nests if occurring during the general nesting season of February 1 through August 31. Implementation of **MM-BIO-1**, which requires nesting bird avoidance, would reduce potential direct impacts to nesting birds to a less-than-significant level.

Potential short-term indirect impacts to special-status wildlife could result from noise generated by construction activities conducted during the avian breeding season (February 1 through August 31). Construction-related noise has the potential to disrupt reproductive and feeding activities for nesting birds, potentially causing mortality due to the abandonment of an active nest. These indirect impacts would be considered significant, absent mitigation. Implementation of **MM-BIO-1** would reduce these potential indirect impacts to nesting birds to a less-than-significant level.

Mitigation Measures

MM-BIO-1 Nesting Bird Avoidance. Project construction shall be conducted in compliance with the conditions set forth in the Migratory Bird Treaty Act and California Fish and Game Code to protect active bird/raptor nests. Vegetation removal shall occur during the non-breeding season for nesting birds and nesting raptors (September 1–January 31) to avoid impacts to nesting birds and raptors. If the project requires that work be performed during the breeding season for nesting birds (February 1-August 31) and nesting raptors (February 1–June 30), a pre-construction survey shall be conducted in the study area by qualified biologists for nesting birds and/or raptors within 3 days before project activities in order to avoid direct impacts on active nests. If the biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work shall be allowed to proceed.

If the biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified biologist: (1) clearing limits shall be established within a buffer around any occupied nest; and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified biologist. The buffer shall be 100–300 feet for non-raptor nesting birds and 300–500 feet for nesting raptors. Construction can proceed into the buffer if the qualified biologist determines that the nest is no longer active.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The project would not conflict with any local policies or ordinances protecting biological resources. The project activities are primarily limited to developed and non-native areas within the Benson WTP complex, and the City of Chino does not have a tree ordinance that protects trees on private property. No impact would occur.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The study area is not within any habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan (CDFW 2024c). Accordingly, the projects would not conflict with the provisions of an adopted conservation plan, and no impact would occur.

3.5 Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

The Cultural Resources Inventory Report is included as Appendix D to this IS/MND and includes further detail on the background and methodologies regarding the cultural resources inventory.

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

Less Than Significant Impact. Historic-age structures are those that are built more than 45 years ago and, therefore, have the potential to be considered historical resources pursuant to Section 15064.5 of the CEQA Guidelines. While some historical resources are also considered archaeological resources, such resources are addressed in Section 3.5(b), as part of the discussion of archaeological resources.

Dudek conducted an online review of historical aerial photographs and historical topographic maps to better understand the development of the project area and surrounding vicinity over time. Historic aerial photographs of the project area were available from 1938 to 2022 ([National Environmental Title Research] NETR 2024) depicting ground-disturbing activities as the site transitioned from an agricultural field into a part of the City's public water system. This review revealed one historic-age structure (e.g., water tank) is located within the project area, the structure is over 50 years old and considered a built environment resource. However, built environment features and structures of this type are unlikely to meet significance criteria required for California Register of Historic Resources and National Register of Historic Places listing. As such, the water tank is not a historical resource of significance for California Register of Historical Resources and National Register of Historic Places listing.

On October 10, 2024, Dudek conducted a California Historical Resources Information System records search of the project area and a 1-mile radius at the South Central Coastal Information Center (SCCIC), located on the campus of California State University, Fullerton, in Fullerton, California. The records search results identified that a total of 12 previous cultural resources studies have been conducted within 1 mile of the project area (Table 3.5-1). None of the 12 previous cultural resources studies intersect the project

area. The SCCIC records search did not identify any cultural resources within the project area or 1 mile of the project area.

Table 3.5-1. Cultural Resources Studies within 1 Mile of Project Area

Report Number	Authors	Date	Title
Outside Project Area			
SB-00456	Hearn, Joseph E.	1976	Archaeological - Historical Resources Assessment ff Land Area Bounded by Central Avenue on the West, Francis Street on the South, Vernon Avenue on the East, and Phillips Street on the North
SB-00550	Hearn, Joseph E.	1977	Cultural Resource Evaluation off the Area of Tentative Tract #10126, Rancho Santa Ana Del Chino
SB-00866	San Bernardino County Museum Association	1979	Cultural Resources Assessment: Central Avenue at Phillips Boulevard, Ho 7304
SB-03565	Duke, Curt	1999	Cultural Resource Assessment for Pbms Facility Cm 353-01, County of San Bernardino, California. 4pp
SB-04095	Fulton, Phil and Caprice D. Harper	2004	Cultural Resource Assessment: Cingular Wireless Facility No. Sb 281-01, Ontario, San Bernardino County, California. 15pp
SB-04499	Gordon, Beth	2005	Historic Resources Report: Lsanca 8121/Narod Substation, 1465 S. Oaks Ave, Ontario, San Bernardino County, California. 14pp
SB-04511	Aislin-Kay, Marnie	2005	Cultural Resources Records Search & Site Visit Results For Cingular Telecomunications Facility Candidate Cm-353-01 (Sv005-01), Best Western Hotel, 12018 Central Ave, Chino, San Bernardino County, California. 12pp
SB-04710	Bonner, Wayne H. and Marnie Aislin-Kay	2006	Cultural Resource Records Search and Site Visit Results For Cingular Telecommunications Facility Candidate Sv-005-03 (Patrick Grabowski), 12018 Central Avenue, Chino, San Bernardino County, California.
SB-06787	Tang, Bai “Tom’, Deirdre Encarnacion, and Daniel Ballester	2008	Historical/Archaeological Resources Survey Report: Chino Groundwater Basin Dry-Year Yield Program Expansion, Los Angeles, Riverside And San Bernardino Counties, California.
SB-07073	Wlodarski, Robert J.	2011	Records Search Results For The Proposed AT&T Wireless Telecommunications Site Sv005 (12018 Central Avenue), Chino, San Bernardino County, California.
SB-07778	Stropes, Tracy A. and Brian F. Smith	2014	Phase I Cultural Resources Survey For The Central And Francis Residential Project, City Of Chino, California.

Table 3.5-1. Cultural Resources Studies within 1 Mile of Project Area

Report Number	Authors	Date	Title
SB-07900	Strudwick, Ivan	2013	Results Of The Prehistoric Cultural Resource Assessment Survey For The Stratham Company 9.17-Acre Central Avenue Project, Assessor's Parcel Number 1014-271-01, City Of Chino, San Bernardino County, California

Source: Appendix D.

Dudek archaeologist Brenda Rogers surveyed the project area on October 17, 2024. The survey noted approximately 40% of the project site is developed with a water treatment plant, associated buildings, tanks, and infrastructure. The remaining space, approximately 60% of the project area, consists of open dirt and gravel. Ground visibility in these areas was good (80%–90%). Soils observed were a brown sandy silt and silty sand with sub angular and angular rocks. Approximately half of the open areas to the east and west of the main building and the reservoir appear to be used for stockpiling spoils from vacuum excavations in the local area. There was evidence of stockpiling fill soils and gravels to the west, and tracks from excavation equipment. There were multiple piles of more freshly deposited fill dirt on the east side of the project area, containing visible foundation fragments and modern trash. No archaeological resources were identified during the survey.

As no resources were identified in the records search or survey, except for the water tank that would likely be ineligible for California Register of Historic Resources or National Register of Historic Places listing, the project would not cause a substantial adverse change in the significance of a known historical resource pursuant to Section 15064.5. Impacts would be less than significant.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less Than Significant Impact with Mitigation Incorporated. The analysis of project impacts on archaeological resources is primarily based on the results of the SCCIC records search, review of historic maps and aerial images, and the pedestrian survey, which did not identify any previously recorded cultural resources within the project site.

Dudek contacted the Native American Heritage Commission (NAHC) on October 22, 2024, and requested a review of their Sacred Lands File (SLF) for the project site. The SLF consists of a database of known Native American cultural resources. These resources may not be included in the SCCIC database and depicted in the records search results. The NAHC replied via email correspondence on November 8, 2024, stating that the SLF search was completed with negative results. The NAHC additionally provided a list of Native American individuals and/or tribal organizations with traditional geographic associations that should be contacted for more information on potential tribal sensitivities regarding the project.

Based on the negative results of the SCCIC records search, NAHC SLF request, and pedestrian survey, the project would not cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5. However, the potential for encountering unknown subsurface archaeological deposits during ground disturbance activities associated with project construction

cannot be ruled out. Therefore, the City would implement **MM-CUL-1**, described below, to ensure that the potential for impacts to unknown archaeological resources would be appropriately addressed and reduced to less-than-significant levels.

Mitigation Measures

MM-CUL-1 Inadvertent Discovery of Archaeological Resources. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find. Construction activities may continue in other areas but should be redirected a safe distance from the find. If the new discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted. A data recovery plan shall be developed by the qualified archaeologist in consultation with the City and Native American representatives, if applicable. Ground disturbance can continue only after the resources have been properly mitigated and with approval by the City.

c) Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant Impact. As discussed above, the project site has undergone ground-disturbing activities as it transitioned from an agricultural field into a water treatment plant. No prehistoric or historic-period burials, including those interred outside of formal cemeteries, were identified within the project site as a result of the California Historical Resources Information System records search, NAHC SLF search, or archival background research. Based on the results of the previous research and ground disturbing activities, the potential for human remains to exist within the project site is considered unlikely. However, it is possible that unknown human remains could be encountered during ground disturbance activities associated with project construction.

In the event that human remains are inadvertently encountered during construction activities, the remains and associated resources must be treated in accordance with state and local regulations that provide requirements with regard to the accidental discovery of human remains, including California Health and Safety Code Section 7050.5, California Public Resources Code Section 5097.98, and CEQA Guidelines Section 15064.5(e). In accordance with these regulations, if human remains are found, the County Coroner must be immediately notified of the discovery. No further excavation or disturbance of the project site or any nearby area (within 100 feet of the find) reasonably suspected to overlie adjacent remains must occur until the County Coroner has determined if the remains are potentially human in origin. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she is required to immediately notify the NAHC in Sacramento within 24 hours. In accordance with California Public Resources Code Section 5097.98, the NAHC must immediately notify those persons it believes to be the most likely descendant (MLD) from the deceased Native American. The MLD must then complete their inspection and determine, in consultation with the property owner, the treatment and disposition of the human remains. Therefore, compliance with state and local regulations identified above would ensure that the project would result in less-than-significant impacts related to the inadvertent disturbance of any human remains.

3.6 Energy

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. Energy – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

a) Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less-than-Significant Impact. Project implementation would result in energy use for construction and operation, including use of electricity and petroleum-based fuels. The following analysis evaluates the potential wasteful, inefficient, or unnecessary consumption of these energy sources during construction and operation.

Construction Energy Use

Electricity

Electricity consumed during project construction would vary throughout the construction period based on the construction activities being performed. Various construction activities would require electricity, including conveying water that would be used for dust control (supply and conveyance), powering any necessary lighting or electronic equipment, or other construction activities necessitating electrical power. Such electricity demand would be temporary, nominal, and would cease upon the completion of construction. Therefore, the use of electricity during project construction would not be wasteful, inefficient, or unnecessary.

Natural Gas

There would be no natural gas used during construction. Equipment and vehicles would be powered by petroleum-based fuels as discussed below. Therefore, the use of natural gas during project construction would not be wasteful, inefficient, or unnecessary.

Petroleum-Based Fuels

Construction of the project would consume energy resources as a result of the use of heavy-duty construction equipment, on-road delivery and haul trucks, and workers commuting to and from the project site. Petroleum emissions associated with the use of construction equipment and vehicles, which were

used to calculate gallons of petroleum consumed, were calculated using CalEEMod and are provided in Appendix B. Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO_2) emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per metric ton (MT) CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per MT CO_2 per gallon (The Climate Registry 2025). The estimated fuel usage from construction of the project is shown in Table 3.6-1.

Table 3.6-1. Total Proposed Project Construction Petroleum Demand

Scenario	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
Project Construction	27,463	3,376	1,623	2,164
Total Petroleum Consumed for Project Construction				34,626

Source: Appendix B.

In summary, construction of the project is estimated to consume a total of approximately 34,626 gallons of petroleum. The project would be subject to CARB's In-Use Off-Road Diesel Vehicle Regulation that applies to certain off-road diesel engines, vehicles, or equipment greater than 25 horsepower. The regulation (1) imposes limits on idling, requires a written idling policy, and requires a disclosure when selling vehicles; (2) requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; (3) restricts the adding of older vehicles into fleets starting on January 1, 2014; and (4) requires fleets to reduce their emissions by retiring, replacing, or repowering older engines or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits). The fleet must either show that its fleet average index was less than or equal to the calculated fleet average target rate, or that the fleet has met the Best Achievable Control Technology requirements.

Overall, while construction activities would consume petroleum-based fuels, consumption of such resources would be temporary and would cease upon the completion of construction. Further, the petroleum consumed related to construction would be typical of construction projects of similar types and sizes and would not necessitate new petroleum resources beyond what are typically consumed in California. Therefore, because petroleum use during project construction would be temporary and minimal and would not be wasteful or inefficient, impacts would be less than significant.

Operational Energy Use

The project entails constructing and operating a replacement for the existing Benson Reservoir within the City's Benson WTP complex, and connecting the replacement reservoir to the system, and demolishing the existing reservoir. Upon completion, the project would not result in an increase in operational employees. During long-term operations, as the project involves the replacement of an existing water reservoir tank and associated facilities, the project would not result in a substantial incremental increase in facility operation compared to the existing baseline scenario. Once construction is complete, project operation is anticipated to entail similar routine maintenance and operation as performed by the City for the current facilities. Therefore, the project would not result in an increase in daily vehicle trips to and from the project site Overall, the project would result in similar energy

consumption during operation compared to the existing facilities, including petroleum consumption from staff vehicle trips and electricity consumption from operation of maintenance equipment; the project's operational energy use would be less than significant.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less-than-Significant Impact. The project would be subject to and would comply with, at a minimum, the California Building Energy Efficiency Standards (24 CCR Part 6 and Part 11), where applicable. These energy efficiency standards are reviewed every 3 years by the Building Standards Commission and the California Energy Commission and revised if necessary (PRC Section 25402[b][1]). Part 6 of Title 24 establishes energy efficiency standards for non-residential buildings constructed in California in order to reduce energy demand and consumption. Part 11 of Title 24 sets forth voluntary and mandatory energy measures that are applicable to the project under the California Green Building Standards. Overall, impacts related to the project's potential to conflict with plans for renewable energy and energy efficiency would be less than significant.

3.7 Geology and Soils

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS – Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

The analysis in this section is based on the Geotechnical Evaluation prepared for the project by Verdantas in September 2024 (Verdantas 2024).

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

and

ii) Strong seismic ground shaking?

Less-than-Significant Impact. The project site is located within a seismically active region, as is most of the Southern California region. The project would likely be exposed to seismic ground shaking at multiple points in the future. The intensity of ground shaking at any specific location within the region depends on the characteristics of the earthquakes, the distance from the earthquake epicenter, and the local geologic and soil conditions. Earthquake fault zones are delineated boundaries encompassing active faults that constitute potential hazards to structures from surface faulting or fault creep (DOC 2018).

This site is not located within a current State of California designated Alquist-Priolo Earthquake Fault Zone and there are no known active faults mapped on or trending toward the site. A segment of the Chino-Central Avenue Fault is located approximately 2.7 miles southwest of the project site; however, the Chino-Central Avenue Fault is part of a network of smaller, secondary faults and is classified as an inactive fault that may have low or moderate activity compared to regional faults (City of Chino 2025b). Although the project is not located within a delineated earthquake fault zone, it is located within a seismically active region. However, project construction and operation would not increase or exacerbate the potential for fault rupture to occur.

Therefore, the project would not directly or indirectly cause potential adverse effects involving rupture of a known earthquake fault, and impacts would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less-than-Significant Impact. Ground failure is a secondary effect of ground shaking and can include landslides, liquefaction, lurching, and differential settlement. Liquefaction is the loss of soil strength due to seismic forces generating various types of ground failure. Liquefaction occurs when saturated and poorly consolidated granular material is shaken during an earthquake and is transformed into a fluid-like state.

According to maps obtained through the California Department of Conservation and California Geological Survey, the project site is not located in a liquefaction zone (DOC 2025). Due to the relatively dense nature of the underlying soils and absence of shallow groundwater at the project site, the potential for liquefaction on site is considered very low. In compliance with the recommendations of the geotechnical evaluation, the project would be designed in accordance with applicable current building codes and standards utilizing appropriate seismic design parameters intended to reduce seismic risk as defined by California Geological Survey Chapter 2 of Special Publication 117A, minimizing hazards due to liquefaction (Verdantas 2024). Therefore, impacts would be less than significant.

iv) Landslides?

No Impact. Landslides typically occur on moderate to steep slopes that are affected by such physical factors as slope height, slope steepness, shear strength, and orientation of weak layers in the underlying geologic units. The project site is generally flat and previously graded. Additionally, the project site is not located within a landside susceptibility zone (Verdantas 2024). As such, the project would not result in the creation of moderate to steep slopes that may become susceptible to landslides. As such, no impact would occur.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less-than-Significant Impact. Construction of the project would require earthwork activities that could potentially contribute to soil erosion or loss of topsoil. Construction of the project would result in more than 1 acre of land disturbance; therefore, a site-specific SWPPP in accordance with State Water Resources Control Board Order No. 2009 0008 DWQ, National Pollutant Discharge Elimination System General Permit No. CAS00002 (Construction General Permit), amended by Order No. 2010-0014-DWQ and Order No. 2012-0006-DWQ, would be prepared and implemented during project construction. One of the purposes of the SWPPP is to address potential pollutants and their sources, including sources of sediment and site erosion. Conditions of these existing regulations would include adherence to sediment and stormwater pollutant control BMPs, such as covering of exposed soil stockpiles, sediment barriers, storm drain protection, and various other measures designed to minimize potential for soil erosion and loss of topsoil. Operation of the Benson WTP complex would not affect erosion. Therefore, the project would not result in substantial soil erosion or the loss of topsoil and impacts would be less than significant.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less-than-Significant Impact. As previously discussed, the project site is not located within a liquefaction or a landslide susceptibility zone. Due to the absence of potentially liquefiable layers, the risk of lateral spreading is considered low (Verdantas 2024).

The geotechnical evaluation included design recommendations that would be incorporated into the final design plans and implemented during construction to minimize potential geotechnical risks, including soil stability, per applicable California Building Code requirements. Therefore, the project would not exacerbate geotechnical hazards related to unstable soils and impacts would be less the significant.

d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less-than-Significant Impact. Expansive soils are clay-based and tend to increase in volume due to water absorption and decrease in water volume due to drying. The geotechnical evaluation included sampling and analysis of shallow soils on site. The results determined that the surficial soils at the site have a very low expansion potential. Therefore, soil expansion would not pose a potential concern for project implementation. Full project design would include continued geotechnical investigations including sampling and analysis of soils on site. If such conditions are encountered, the project would employ standard engineering protocols to limit the potential effects on project-related infrastructure. Therefore, impacts would be less than significant.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The project would not involve the use of septic tanks or alternative wastewater disposal systems. Therefore, no impact would occur.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less-than-Significant Impact with Mitigation. The project site is located within the Peninsular Ranges Geomorphic Province, which is characterized by a series of mountain ranges separated by long valleys formed by faults branching from the San Andreas Fault (CGS 2002). According to surficial geological mapping by Dibblee and Minch (2002) at a 1:24,000 scale and the geological time scale of Cohen et al. (2024), the project site is underlain by Holocene (< 11,700 years ago) alluvial gravel and sand of valley areas (map unit Qa). Morton and Miller (2006) mapped this same area at a 1:100,000 scale as middle Holocene (4,200 to 8,200 years ago) young alluvial fan deposits (map unit Qyf3). The closest Pleistocene deposits are mapped approximately 1.25 miles northwest of the project site. Geotechnical borings for the project did not indicate anything other than young alluvial fan deposits to a depth of 51 feet, with the uppermost 10 feet consisting of loose to medium dense material and below 10 feet down to 30 feet consisting of stiff to hard sands and silts, and below 35 feet dense to very dense poorly graded sands and stiff silts (Verdantas 2024). However, the more indurated sediments could indicate an age of middle Holocene or older and may contain significant paleontological resources. The Society of Vertebrate Paleontology defines fossils as older than middle Holocene.

Dudek requested a paleontological records search from the Natural History Museum of Los Angeles County and the San Bernardino County Museum on January 15, 2025. Results from the NHMLA were received on January 26, 2025. The Natural History Museum of Los Angeles County reported no fossil localities within the project site; however, there are nearby localities from similar sediments that likely underlie the project site on the surface and at depth (Pleistocene sedimentary deposits). The closest of these localities, fossil locality LACM (Los Angeles County Museum) VP (Vertebrate Paleontology) 7811, is approximately 7 miles southeast of the project site, and produced a fossil whipsnake from a fine-grained Pleistocene deposit (unnamed), between 9 and 11 feet below ground surface. The other two localities are located further than 7 miles away from the project site in Pleistocene sedimentary deposits and consist of a mammoth from 100 feet below ground surface and a ground sloth, horse and proboscidean (which includes mammoths and mastodons) from an unknown depth (NHMLA 2025). Results from the San Bernardino County Museum are dated January 31, 2025. They reported no fossil localities from within the project site, but they do have a locality approximately 2.4 miles south-southwest of the project site from both Pleistocene sedimentary deposits and the Puente Formation (SBCM 2025).

The Holocene alluvial deposits, aged less than 11,700 years ago, have not been shown to produce any fossil resources and therefore have low paleontological sensitivity that increases to high sensitivity at depth. In this area, Pleistocene sedimentary deposits (equivalent to older alluvial deposits) are known to be found quite shallow beneath recent Holocene sediments, as shallow as 5 to 15 feet below ground surface (SBCM 2025).

No paleontological resources were identified within the project site as a result of the institutional records search or desktop geological and paleontological review. In addition, the project site is not anticipated to be underlain by unique geologic features. Areas of the project site underlain by Holocene alluvial deposits have low paleontological sensitivity increasing to high with depth. If paleontological resources are located within the project site, ground-disturbing activities associated with construction, such as grading during site preparation, large diameter (2 feet or greater) drilling, and trenching, have the potential to destroy a unique paleontological resource or site. As such, the project site is considered to be potentially sensitive at depth for paleontological resources, and without mitigation, the potential damage to paleontological resources during construction associated with the project is considered a potentially significant impact. Given the proximity of past fossil discoveries in the surrounding area within Pleistocene sedimentary deposits and the shallowness at which these deposits may be encountered beneath Holocene sediments in the area, the project site is considered to be highly sensitive for supporting paleontological resources below the depth of fill and/or to a depth of 5 feet below ground surface. However, with implementation of **MM-GEO-1**, impacts would be reduced to a less-than-significant level.

Mitigation Measures

MM-GEO-1 Paleontological Monitoring. Prior to commencement of any grading activity on site, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the project. The PRIMP shall be consistent with the SVP (2010) guidelines and should outline requirements for preconstruction meeting attendance and worker environmental awareness training, where monitoring is required within the proposed project site based on construction plans and/or geotechnical reports, procedures for adequate paleontological monitoring and discoveries treatment, and

paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting and a qualified paleontological monitor shall be on site during all rough grading and other significant ground-disturbing activities (including augering) in previously undisturbed, fine-grained Pleistocene sedimentary deposits. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Costs associated with laboratory work and curation fees are the responsibility of the City.

3.8 Greenhouse Gas Emissions

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less-than-Significant Impact. Greenhouse gases (GHGs) are those that absorb infrared radiation (i.e., trap heat) in the Earth's atmosphere. The trapping and buildup of heat in the atmosphere near the Earth's surface (the troposphere) is referred to as the "greenhouse effect" and is a natural process that contributes to the regulation of the Earth's temperature, creating a livable environment on Earth. The Earth's temperature depends on the balance between energy entering and leaving the planet's system, and many factors (natural and human) can cause changes in Earth's energy balance. Human activities that generate and emit GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise. This rise in temperature has led to large-scale changes to the Earth's system (e.g., temperature, precipitation, wind patterns), which are collectively referred to as climate change. Global climate change is a cumulative impact; a project contributes to this impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. Thus, GHG impacts are recognized exclusively as cumulative impacts (California Air Pollution Control Officers Association 2008).

As defined in California Health and Safety Code Section 38505(g) for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include CO_2, methane (CH_4), N_2O, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride (see also CEQA Guidelines Section 15364.5). The primary GHGs that would be emitted by project-related construction and operations include CO_2, CH_4, and N_2O.[6]

The Intergovernmental Panel on Climate Change developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in MT of CO_2 equivalent (CO_2e). The current version of CalEEMod assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007).

Section 15064.7(c) of the CEQA Guidelines specifies that "when adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence." The CEQA Guidelines do not prescribe specific methodologies for performing an assessment, establish specific thresholds of significance, or mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance that are consistent with the manner in which other impact areas are handled in CEQA (California Natural Resources Agency 2009).

As discussed in Section 3.3, the proposed project is located in the northern portion of the City of Chino, which is in southwestern San Bernardino County and within the jurisdictional boundaries of the SCAQMD. In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008b). This document, which builds on the California Air Pollution Control Officers Association's previous guidance, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_2e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (SCAQMD 2010). The 10,000 MT CO_2e per-year threshold, which was derived from GHG reduction targets established in Executive Order S-3-05, was based on the conclusion that the threshold was consistent with achieving an emissions capture rate of 90% of all new or modified stationary source projects.

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in

[6] Emissions of hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride are generally associated with industrial activities, including the manufacturing of electrical components and heavy-duty air conditioning units and the insulation of electrical. transmission equipment (substations, power lines, and switch gears). Therefore, emissions of these GHGs were not evaluated or estimated in this analysis because the project would not include these activities or components and would not generate hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, or nitrogen trifluoride in measurable quantities.

a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land-use development projects. The most recent proposal issued by SCAQMD, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

Tier 1. Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.

Tier 2. Consider whether or not the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.

Tier 3. Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_2e per-year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e per year), commercial projects (1,400 MT CO_2e per year), and mixed-use projects (3,000 MT CO_2e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO_2e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.

Tier 4. Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO_2e per-service population for project-level analyses and 6.6 MT CO_2e per-service population for plan-level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5. Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

To determine the proposed project's potential to generate GHG emissions that would have a significant impact on the environment, its GHG emissions were compared to the SCAQMD 10,000 MT CO_2e per year screening threshold recommended for industrial projects.

Construction

Construction of the project would result in GHG emissions, which are primarily associated with off-road construction equipment, on-road haul and vendor trucks, and worker vehicles. The SCAQMD recommends that "construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies" (SCAQMD 2008b). CalEEMod was used to calculate the annual GHG emissions based on the construction scenario described in Section 3.3, Air Quality. Table 3.8-1 presents the GHG emissions resulting from construction of the project. For further detail on the assumptions and results of this analysis, please refer to Appendix B.

Table 3.8-1. Estimated Annual Construction Greenhouse Gas Emissions

Year	CO_2	CH_4	N_2O	R	CO_2e
	Metric Tons				
2026	119.36	0.01	<0.005	0.02	120.49
2027	227.42	0.01	0.01	0.05	229.94
				Total	**350.43**
				Amortized Construction Emissions (Over 30-Years)	*11.68*

Source: Appendix B.
Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R = refrigerants; CO_2e = carbon dioxide equivalent.
Totals may not sum due to rounding.

As shown in Table 3.8-1, the estimated total GHG emissions during construction would be approximately 350 MT CO_2e. Estimated project-generated construction emissions amortized over 30 years would be approximately 12 MT CO_2e per year. In addition, as with project-generated construction criteria air pollutant emissions, GHG emissions generated during proposed construction activities would be short term, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions.

Operational Emissions

The project entails constructing and operating a replacement for the existing Benson Reservoir within the City's Benson WTP complex, connecting the replacement reservoir to the system, and demolishing the existing reservoir. Upon completion, the project would not result in an increase in operational employees. During long-term operations, as the project involves the replacement of an existing water reservoir tank and associated facilities, the project would not result in a substantial incremental increase in GHG emissions as compared to the existing baseline scenario. Once construction is complete, project operation is anticipated to entail similar routine maintenance and operation as performed by the City for the current facilities. Therefore, the project would not result in an increase in daily vehicle trips to and from the project site and operational criteria pollutants and impacts would be less than significant

Overall, since the proposed project would result in a minimal increase in construction and operational GHGs, it would not exceed the SCAQMD threshold of 10,000 MT CO_2e per year for industrial projects nor would it exceed even the most stringent SCAQMD threshold for commercial projects equal to 1,400 MT CO_2e per year. Projects below the significance criterion have a minimal contribution to global emissions and are considered to have less-than-significant impacts. Therefore, operational impacts associated with directly or indirectly generating a significant quantity of GHG emissions would be less than significant.

b) ***Would the project generate conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?***

Less-than-Significant Impact. Applicable plans for the project site include City of Chino 2020-2030 Climate Action Plan (CAP), SCAG's 2040–2050 RTP/SCS and CARB's Scoping Plan (SB 32 and AB 1279). Each of these plans is described below along with an analysis of the proposed project's potential to conflict with the related GHG emission reduction goals.

Section 15.45.070 of the CMC, GHG Performance Standard for New Development, states the following:

All new development in the city shall contribute to the reduction of greenhouse gas emissions by demonstrating consistency with the climate action plan by implementing one or a combination of the following three options:

1. Exceed the mandatory California Energy Code Title 24, Part 6 standards, in effect at the time of application submittal by five percent; or
2. Achieve an equivalent reduction through voluntary measures in the California Green Building Standards Code, Title 24, Part 11 (CALGreen) in effect at the time of development application submittal for discretionary review; or
3. Provide other equivalent greenhouse gas (GHG) reductions through measures including, but not limited to, non-vehicle transportation infrastructure, transit, ZEV (zero emission vehicle) infrastructure or other incentives, waste diversion, water conservation, tree planting, renewable energy option packages, or any combination of these or other measures such that GHG emissions are reduced by 0.074 MT CO_2e per residential dwelling unit per year and/or per thousand square feet of commercial/industrial use per year.

Applicants that choose Option 1 described above will be required to verify that their project meets the five percent improvement above the mandatory standards through the appropriate certificate of compliance form for residential construction (CF-1R) or for commercial/industrial construction (PERF-1C). Applicants that choose Options 2 or 3 described above will be required to utilize the GHG Performance Standard Checklist developed by the city, or provide other valid documentation, such as CalEEMod or other methodologies, as verified by the director of development services to demonstrate the required GHG reductions consistent with the city's CAP (Ord. 2022-015 , § 1, 7-19-2022; Ord. No. 2023-017, § 2, 2023). The project does not represent new development since it is replacing existing infrastructure; therefore, the GHG Performance Standards for New Development are not applicable to the project. The CAP's applicability to the project is discussed below.

Project Potential to Conflict with the City of Chino 2020-2030 Climate Action Plan

The 2020-2030 CAP includes measures to reduce GHG emissions within the City, which are grouped into the following strategy areas: Energy; On-Road Transportation; Solid Waste Management; Wastewater Treatment; Water Consumption; and GHG Performance Standard for New Development (City of Chino 2020a). Notably, the GHG Performance Standard for New Development is based on screening tables, where a project that identifies design features that reduce GHGs and has corresponding point values that achieve 100 points or more are considered consistent with the reduction goals included in the CAP and would be determined to have a less than significant impact under CEQA. However, as the proposed project does not fit into the typical land use categories of residential, commercial, or industrial projects that the screening tables are based on, the screening tables provided in the CAP to determine consistency are not directly applicable.

The Benson Reservoir was constructed and commissioned in 1961. A condition assessment by the City determined the reservoir is in poor condition and is nearing the end of its service life. Benson Reservoir is deficient of current seismic standards, with inadequate freeboard capacity above the maximum operating level, insufficient foundation anchoring, and a foundation that does not meet seismic load requirements. Through the project, the City is planning to replace the Benson Reservoir to ensure its continued ability to

provide a safe and reliable source of potable water to its customers and a source of fire-suppression water. In leu of the CAP screening tables, a qualitative analysis evaluating the project's potential to conflict with the most applicable strategies set forth in the 2020-2030 CAP is provided below in Table 3.8-2.

Table 3.8-2. Project Potential to Conflict with the 2020-2030 CAP

CAP Reduction Strategies	Project Potential to Conflict
Energy	***No Conflict.*** The project consists of the replacement of existing water infrastructure approaching end of service life. The project will ensure the City has the continued ability to provide a safe and reliable source of potable water to its customers and a source of fire-suppression water The project would not conflict with the City's ability to implement this strategy.
On-Road Transportation	***No Conflict.*** The increase in traffic during project construction would be temporary and would cease at the conclusion of construction activities. Operation is expected to entail similar routine maintenance and operations as performed by the City for the current facilities. Therefore, the project would not result in an increase in daily vehicle trips to and from the project site. The project would not conflict with the City's ability to implement this strategy.
Solid Waste Management	***No Conflict.*** During operation, the project would be operated similarly as routine maintenance and operations performed by the City for the current facilities and any solid waste generated would be minimal. However, the project would comply with all applicable local and state requirements for refuse collection and diversion. The project would not conflict with the City's ability to implement this strategy.
Wastewater Treatment	***No Conflict.*** This strategy pertains to the use of recycled water at appropriate businesses and industries and is not directly applicable to the project. Wastewater generation would be negligible. The project would not conflict with the City's ability to implement this strategy.
Water Consumption	***No Conflict.*** The project is not a water consuming project, but a water treatment and storage facility for distribution to end users within the City and for fire protection. The project would not conflict with the City's ability to implement this strategy.
GHG Performance Standard for New Development (Screening Tables)	***Not Applicable.*** As a water infrastructure facility, the project would not include most of the sources/categories that the design features and points are based on in the screening tables. Although the screening tables would not directly apply to the project, the project would support the overall GHG reduction goals in the 2020-2030 CAP as described for the other CAP Reduction Strategies above.

Source: City of Chino 2020a.
Notes: CAP = Climate Action Plan; RPS = Renewables Portfolio Standard; SB = Senate Bill; VMT = vehicle-miles traveled; CALGreen = California Green Building Standards; GHG = greenhouse gas emissions.

As shown in Table 3.8-2, the project would not conflict with the applicable strategies in the 2020-2030 CAP.

Project Consistency with SCAG's 2040-2050 RTP/SCS

On April 4, 2024, SCAG adopted the 2024–2050 RTP/SCS, also referred to as Connect SoCal 2024. Connect SoCal 2024 builds on the prior RTP/SCS and identifies the following strategy areas to support its environmental goals: Sustainable Development, Air Quality, Clean Transportation, Natural and Agricultural

Lands Preservation, and Climate Resilience (SCAG 2024). The primary objective of the RTP/SCS is to provide guidance for future regional growth (i.e., the location of new residential and non-residential land uses) and transportation patterns throughout the region, as stipulated under SB 375. Given that the proposed project involves the replacement of an existing water reservoir approaching end of service life, the goals and strategies of the RTP/SCS are not directly applicable. As such, the proposed project would not conflict with the goals and policies of the RTP/SCS and impacts would be less than significant.

Project Consistency with State Reduction Targets and CARB's Scoping Plan

The California State Legislature passed the Global Warming Solutions Act of 2006 (AB 32) to provide initial direction to limit California's GHG emissions to 1990 levels by 2020 and initiate the state's long-range climate objectives. Since the passage of AB 32, the state has adopted GHG emissions reduction targets for future years beyond the initial 2020 horizon year. For the proposed project, the relevant GHG emissions reduction targets include those established by SB 32 and AB 1279, which require GHG emissions be reduced to 40% below 1990 levels by 2030, and 85% below 1990 levels by 2045, respectively. In addition, AB 1279 requires the state to achieve net zero GHG emissions by no later than 2045 and achieve and maintain net negative GHG emissions thereafter.

As defined by AB 32, CARB is required to develop the Scoping Plan, which provides the framework for actions to achieve the state's GHG emission targets. The Scoping Plan is required to be updated every 5 years and requires CARB and other state agencies to adopt regulations and initiatives that would reduce GHG emissions statewide. The first Scoping Plan was adopted in 2008, and it was updated in 2014, 2017, and most recently in 2022. Although the Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations,[7] it is the official framework for the measures and regulations that would be implemented to reduce California's GHG emissions in alignment with the adopted targets. Therefore, a project would be found to not conflict with the statutes if it would meet the Scoping Plan policies and would not impede attainment of the goals therein.

CARB's 2017 Scoping Plan update was the first to address the state's strategy for achieving the 2030 GHG reduction target set forth in SB 32 (CARB 2017); the most recent CARB 2022 Scoping Plan update outlines the state's plan to reduce emissions and achieve carbon neutrality by 2045 in alignment with AB 1279 and assesses progress toward the 2030 SB 32 target (CARB 2022). As such, given that SB 32 and AB 1279 are the relevant GHG emission targets, the 2017 and 2022 Scoping Plan updates are the most applicable to the proposed project.

The 2017 Climate Change Scoping Plan Update included measures to promote renewable energy and energy efficiency (including the mandates of SB 350), measures to increase stringency of the Low Carbon Fuel Standard, measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutant Plan, and measures to increase stringency of SB 375 targets. The 2022 Scoping Plan for Achieving Carbon Neutrality builds upon and accelerates programs currently in place, including moving to zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable

7 The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "the Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009).

options for walking, biking, and public transit; and displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines) (CARB 2022).

Many of the measures and programs included in the Scoping Plan would result in the reduction of project-related GHG emissions with no action required at the project-level, including GHG emission reductions through increased energy efficiency and renewable energy production (SB 350), reduction in carbon intensity of transportation fuels (Low Carbon Fuel Standard), and the accelerated efficiency and electrification of the statewide vehicle fleet (Mobile Source Strategy). Given that the proposed project is also not anticipated to result in substantial increase in mobile trips (see Section 3.17, Transportation), the project would not conflict with the 2017 update's goal of reducing GHG emissions through reductions in vehicle miles traveled (VMT) statewide.

The 2045 carbon neutrality goal required CARB to expand proposed actions in the 2022 update to include those that capture and store carbon in addition to those that reduce anthropogenic sources of GHG emissions. The proposed project would support the state's carbon neutrality goals, as implementation includes addition of urban trees and native plantings throughout the project site, which represent opportunities for potential carbon removal and sequestration over the project lifetime. However, the 2022 update emphasizes that reliance on carbon sequestration in the state's natural and working lands would not be sufficient to address residual GHG emissions, and achieving carbon neutrality would require research, development, and deployment of additional methods to capture atmospheric GHG emissions (e.g., mechanical direct air capture). Given that the specific path to neutrality would require development of technologies and programs that are not currently known or available, the project's role in supporting the statewide goal would be speculative and cannot be wholly identified at this time.

Overall, the proposed project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent applicable and required by law. As mentioned above, several Scoping Plan measures would result in reductions of project-related GHG emissions with no action required at the project-level, including those related to energy efficiency, reduced fossil fuel use, and renewable energy production. As demonstrated here in, the proposed project, which includes replacement of existing end of service life water reservoir infrastructure, would not conflict with CARB's 2017 or 2022 Scoping Plan updates or with the state's ability to achieve the 2030 and 2045 GHG reduction and carbon neutrality goals.

Based on the preceding considerations, the proposed project would not conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing GHG emissions, and impacts would be less than significant.

3.9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less-than-Significant Impact. Relatively small amounts of commonly used hazardous substances such as gasoline, diesel fuel, lubricating oil, adhesive materials, grease, solvents, and architectural coatings would be used during construction. Operation and maintenance of the project would also require routine use of

common hazardous substances. These materials are used routinely throughout urban environments for construction projects and operation of utility infrastructure. These materials would be transported and handled in accordance with all federal, state, and local laws regulating the management and use of hazardous materials. Consequently, use of these materials for their intended purpose would not pose a significant risk to the public or environment. With adherence to state and local regulations, impacts associated with routine transport, use, and disposal of hazardous materials would be less than significant.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less-than-Significant Impact. As discussed under Section 3.9(a), construction and operation would involve relatively small amounts of commonly used hazardous substances such as gasoline, diesel fuel, lubricating oil, grease, adhesive materials, and solvents. These materials are not considered acutely hazardous and are used routinely throughout urban environments for both construction and operation of projects. Further, these materials would be transported, handled, and disposed in accordance with all federal, state, and local laws regulating the management of, spill prevention, and spill response, related to, hazardous materials.

Asbestos and lead-based paint testing was performed on the existing Benson Reservoir. Asbestos was not detected in any samples. Lead content within the site soils was below Title 17, EPA, and California Department of Toxic Substances Control guidelines for non-residential areas. However, lead-based paint was detected on the reservoir, as well as on several areas of aboveground pipe (Dudek 2025). The Contract Documents for the project would include language that requires the Contractor to comply with all Occupational Safety and Health Administration Regulations (Title 8 CCR Section 1532.1 and 29 CFR 1926.62), and complete or satisfy the California Division of Occupational Safety and Health lead training requirement. The Contract Documents would also include the Asbestos, Lead-Based Paint, and Soil Testing Report to ensure all contractors and affected personnel are informed of the results (Dudek 2025). With implementation of the requirements of Occupational Safety and Health Administration Regulations or completion of the California Division of Occupational Safety and Health lead training, adherence to all appropriate federal, state, and local rules and regulations regarding lead-based paint, impacts would be less than significant.

With adherence to state and local regulations, impacts associated with reasonably foreseeable upset and accident conditions would be less than significant.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The nearest school to the project site is Vista Grande Elementary School located approximately 0.3 miles to the northeast. As there are no schools located within 0.25 miles of the project site, the proposed project would not emit or handle hazardous materials within 0.25 miles of a school. No impact would occur.

d) Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. According to the Department of Toxic Substances Control's EnviroStor database, no sites or facilities are located within or adjacent to the project site. The nearest identified active site is the Country Fair Shopping Center, a Voluntary Cleanup Site, located approximately 0.45 miles southwest of the project site (DTSC 2024). Other state and local government agencies are required to provide additional hazardous materials release information for the Cortese List. The State Water Resource Control Board's GeoTracker database identifies leaking underground storage tanks, waste discharge sites, oil and gas sites, and other waste or cleanup sites. A review of GeoTracker did not identify any open cleanup sites or facilities within or adjacent to the project site. The nearest active cleanup site is Sunshine Cleaners (ID No. T10000005696), located approximately 1.75 miles southeast of the project site (SWRCB 2024). These hazardous materials sites are located at adequate distances from the project site such that they would be of no concern to present a worker hazard for construction crews. Therefore, no impact would occur.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The project site is approximately 3.5 miles southwest of the Ontario International Airport and approximately 4.5 miles northwest of the Chino Airport. The project site does not fall within the airport land use plan for these airports. The project is not located within 2 miles of a public use airport, nor is it located within an airport land use plan. As such, there would be no excessive noise or safety hazards affecting the project, and no impact would occur.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less-than-Significant Impact. The City has prepared a Local-Hazard Mitigation Plan. The hazard mitigation plan is a document that contains information to assist communities in reducing risk from hazards by identifying resources, information, and strategies for risk reduction (City of Chino 2025c). The proposed project would involve construction within the existing Benson WTP Complex and would not include construction within the public right-of-way. During construction of the project, temporary construction and staging areas would be located within the existing Benson WTP Complex. Full or partial closures of any public roads are not anticipated for project construction. If temporary closures of South Benson Avenue or adjoining roadways are required for project construction, the temporary closures would be performed pursuant to a traffic-control plan prepared by the contractor and subject to City approval, which would demonstrate that emergency access or evacuation would not be impeded. Traffic would resume to existing conditions upon completion of the project. Impacts would be less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact. According to the California Department of Forestry and Fire Protection Fire Hazard Severity Zone Viewer, the project site is located within a Local Responsibility Area and is not located within a Fire

Hazard Severity Zone (CAL FIRE 2024). The nearest Very High Fire Hazard Severity Zone is located approximately 4.15 miles northwest of the project site. In the event of an emergency, fire response services for the project are provided by the Chino Valley Independent Fire District. Construction and operation of the project would comply with Chapter 15.32 of the CMC, which adopts the California Fire Code by reference. The project would not include structures intended for long-term occupancy or include development that could exacerbate fire risk. Furthermore, the project site is relatively flat and would not influence prevailing winds or other factors that could exacerbate wildfire risk. As such, people and structures would not be exposed to a significant risk of loss, injury, or death involving wildfires. No impact would occur.

3.10 Hydrology and Water Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less-than-Significant Impact. The project site falls under the jurisdiction of the Santa Ana Regional Water Quality Control Board for water quality regulation. The existing retention basin and a new retention basin located in the central-southern portion of the site would capture stormwater runoff and overflow from the replacement reservoir. Given its role in collecting surface water, the retention basins require careful water quality management during construction.

Construction activities would involve ground-disturbing tasks such as grading, which could lead to sediment discharge into stormwater runoff. Additionally, construction equipment and operations may result in the potential discharge of oil, lubricants, and other chemicals due to leaks or accidental spills. These potential sediment and chemical discharges during construction would have the potential to impact water quality in receiving water bodies. However, because the project would disturb over 1 acre of land, the project would be required to prepare and implement a SWPPP, which would include water quality BMPs to ensure that water quality standards are met and that runoff from the construction work areas does not cause degradation of water quality in receiving water bodies. BMPs may include erosion and sediment control measures, spill prevention protocols, and monitoring strategies to maintain water quality standards during construction. Through the incorporation of BMPs through implementation of SWPPP requirements, impacts associated with water quality standards during construction would be less than significant.

The purpose of the project is to continue to provide a safe and reliable source of water to the City's customers, while also increasing on-site storage. The reservoir would store and manage water more efficiently, reducing the potential for degradation of surface or ground water quality. As such, impacts during operation would be less than significant.

b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less-than-Significant Impact. Based on the geotechnical evaluation prepared by Verdantas for the project (Verdantas 2024), groundwater is not expected to be encountered during grading of the project. The project site is located in an area where groundwater conditions have historically included shallow water tables; however, the geotechnical evaluation indicates an absence of shallow groundwater beneath the project site. Construction and operation activities are not anticipated to require significant extraction of groundwater or contribute to a decrease in groundwater levels. Additionally, the project would maintain site permeability and implement stormwater management measures consistent with BMPs, allowing for ongoing infiltration and

recharge where feasible. Therefore, the project would not substantially interfere with groundwater recharge or impact sustainable groundwater management. Impacts would be less than significant.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) Result in substantial erosion or siltation on- or off-site?

and

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

and

iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

and

iv) Impede or redirect flood flows?

Less-than-Significant Impact. The project would not substantially alter existing drainage patterns, including streams or river courses. Construction activities primarily involve excavation to install a concrete reservoir, which would replace the existing Benson Reservoir. While temporary earthwork may disturb soils, implementation of the project-specific SWPPP, including BMPs, would prevent substantial erosion and siltation of exposed soils during construction activities.

The project would not substantially increase impervious surface area, as the replacement reservoir is designed to integrate into the existing site footprint. New impervious areas would include the replacement reservoir and paved access road. Proposed drainage improvements to accommodate the new impervious areas include construction of a new retention basin to infiltrate overflow from the replacement reservoir to meet stormwater quality and flood control flow mitigation requirements and installation of a proposed storm drain to convey flows from the existing retention basin to the new retention basin. Runoff from the replacement reservoir would also be conveyed to the existing brow ditch along the southern property like and discharge into the existing retention basin. Additionally, the reservoir design does not include features that would significantly alter floodplain conditions or redirect flood flows. The site's topography and existing drainage features would be maintained to ensure that flood flows, if any, remain unaffected by the project. Therefore, implementation of the project would not substantially alter the existing drainage pattern of the site or area in a way that would cause substantial erosions, flooding, polluted runoff, or changes to flood flows. Impacts would be less than significant.

d) In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

No Impact. According to Federal Emergency Management Agency flood maps, the project site is located in Flood Zone X, characterized as an area with minimal flood hazard (FEMA 2008). Additionally, the project site is not located within the 566-foot Prado Dam inundation area or the San Antonio Dam potential inundation area (City of Chino 2025b). The project site is located approximately 30 miles from the ocean

and is not at risk of flooding due to tsunamis. Therefore, no impact associated with the risk of release of pollutants due to project inundation in a flood hazard, tsunami, or seiche zone would occur.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less-than-Significant Impact. The project would not conflict with or obstruct the implementation of a water quality control plan or a sustainable groundwater management plan. The project does not propose new wells or increased groundwater pumping beyond the existing operations at Well 5 and Well 9, which would continue as part of the City's water system. The replacement reservoir is designed as a surface structure intended for treated water storage and distribution. By increasing storage capacity from 1.5 MG to 7.85 MG, the project would improve operational flexibility and provide a more reliable and sustainable water supply for the City's residents.

The project also integrates effective stormwater management by maintaining the on-site retention basin and constructing a new retention basin that would capture runoff and overflow from the reservoir, reducing the potential for infiltration-based contamination and protecting water quality. Therefore, the project would not conflict with a water quality control plan or sustainable groundwater management plan and impacts would be less than significant.

3.11 Land Use and Planning

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

a) Would the project physically divide an established community?

No Impact. The project site would be located within the existing Benson WTP Complex. The project would not create a physical division of an existing community, like what could occur with the development of a freeway or large linear infrastructure. The project would not result in removal of an existing means of access, such as a road or bridge, that would impede mobility with an existing community and other areas. Upon completion of the project, the existing Benson WTP Complex would resume operations consistent with existing conditions. Therefore, the project would not physically divide an established community, and no impact would occur.

b) ***Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?***

No Impact. The project site is zoned as P (Public) and has a General Plan land use designation of Public/Institutional. The project would include constructing and operating a replacement reservoir for the existing Benson Reservoir within the Benson WTP complex, connecting the replacement reservoir to the system, and demolishing the existing reservoir. Implementation of the project would not result in a change to land uses. Potential environmental impacts associated with the implementation of the project are analyzed throughout this MND. The project would incorporate applicable mitigation measures to reduce environmental impacts. Therefore, the project would not be in conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. Therefore, no impact would occur.

3.12 Mineral Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

a) ***Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?***

and

b) ***Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?***

No Impact. According to Figure 6-1, Mineral Resource Zones, in the City of Chino 2045 General Plan Program Environmental Impact Report, the project site is within Mineral Resource Zone 3 (City of Chino 2025a). Mineral Resource Zone 3 in the City of Chino contains sand and gravel deposits, but there is insufficient data to determine whether these mineral deposits are significant (City of Chino 2025a). The project site is designated as Public/Institutional in the General Plan and does not support mineral extraction (City of Chino 2025b). Therefore, the project would not result in any loss of availability of a known mineral resource or locally important mineral resource recovery site, and no impact would occur.

3.13 Noise

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

This section is based on technical analysis conducted by Dudek, including quantitative estimates of noise emissions based on assumptions developed in consultation with the project design engineers. The results of the noise estimates are provided as Appendix E, Noise Modeling Data, to this IS/MND.

Existing Setting

Represented by locations ST1, and ST2 in Table 3.13-1, the existing outdoor ambient sound environment of the project location was sampled during a field survey conducted on February 21, 2025 (see Figure 3.13-1, Noise Measurement Locations). Collected sample sound pressure level measurements at these locations, along with documented investigator observations regarding perceived or witnessed acoustical contributors to this baseline or pre-project noise environment, also appear in Table 3.13-1. These locations are intended to be representative of the existing single-family homes adjoining the project area. Photographs, tagged survey positions, and instrument details can be found in Appendix E.

Table 3.13-1. Measured Samples of Existing Outdoor Ambient Sound Level

Survey Position	Description/Address	Time	L_{eq} (dBA)	L_{max} (dBA)	L_{min} (dBA)	Notes (Perceived Sound Sources)
ST1	Adjacent from project boundary; East of S Benson Ave.	11:06 a.m.–11:21 a.m.	68.1	83.4	45.7	Traffic, Birds, Aircraft Noise

Table 3.13-1. Measured Samples of Existing Outdoor Ambient Sound Level

Survey Position	Description/Address	Time	L_{eq} (dBA)	L_{max} (dBA)	L_{min} (dBA)	Notes (Perceived Sound Sources)
ST2	Dead-end of Adams Street; North of Project Boundary	10:36 a.m.–10:56 .m.	50.2	69.1	37.1	Traffic, Birds, Distant Dog Barking, Rustling Leaves, Distant Landscape Noise, Conversation

Source: Appendix E.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; L_{max} = maximum sound level during the measurement interval; L_{min} = minimum sound level during the measurement interval.

The measured outdoor energy-equivalent sound level (L_{eq}) values appearing in Table 3.13-1 range from 50.2 to 68.1 A-weighted decibels (dBA) and are consistent with expectations for the environment based on the distance to roadways, such as South Benson Avenue. The ambient sound measurements at ST1 and ST2 reflect conditions experienced by residences both within the City of Chino and across South Benson Avenue in the City of Ontario. While the nearest residential receptor is located in Chino, homes in Ontario are also in proximity to the project site and were considered in the ambient noise survey. Regulatory thresholds and mitigation measures are discussed in detail below, with primary reference to City of Chino standards, as the project is located within Chino city limits.

Regulatory Setting and Thresholds of Significance

Local Noise Ordinance and General Plan Guidance

The City of Chino restricts construction activities near sensitive land uses such as residences, hospitals, and senior centers to the hours between 7:00 a.m. and 7:00 p.m. Before construction begins, a noise monitoring plan must be submitted that outlines monitoring locations, frequency, equipment, and noise control measures. Required practices include using mufflers on combustion equipment, limiting unnecessary idling, shielding equipment with temporary barriers, placing stationary sources away from sensitive receptors, and using quieter equipment when available. Construction noise is exempt from operational noise limits during permitted hours, but must still comply with a 65 dBA threshold and avoid creating conditions that threaten public health or safety.

The CMC prohibits ground vibration that is perceptible without instruments at adjacent properties, with a defined threshold of 0.05 inches per second (ips) root-mean square vertical velocity. However, construction-related vibration is exempt from this standard as long as it occurs during allowable construction hours and does not pose a risk to public health, welfare, or safety. This exemption allows typical construction activities to proceed while maintaining protections for nearby sensitive uses.

While the City of Ontario's noise ordinance applies to residences east of the project site, the noise ordinance regulates construction primarily by restricting allowable hours (7:00 a.m. to 6:00 p.m. on weekdays, 9:00 a.m. to 6:00 p.m. on weekends) and does not specify a quantitative noise level threshold for construction activities. In contrast, the City of Chino applies a 65 dBA L_{eq} (8-hour) threshold for construction noise at residential property lines during permitted hours.

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction

Less-Than-Significant Impact with Mitigation Incorporated. Construction of the project would result in the temporary generation of noise at the project site. Construction would involve the use of heavy equipment and machinery, such as excavators, loaders, cranes, temporary generators, scrapers, and other equipment. Construction would generate levels of noise that can vary from hour to hour and day to day depending on the equipment in use, the operations being performed, and the distance between the source and receptor. Typically, construction equipment operates in alternating cycles of full power and low power, producing average noise levels less than the maximum noise level. The average sound level of construction activity also depends on the amount of time that the equipment operates and the intensity of construction activities during that time. Aggregate noise emissions from construction activities, broken down by phase, were predicted at two evaluation distances to the nearest existing noise-sensitive receptor: (1) from the nearest position of the construction site boundary, and (2) from the center of the construction site. The closest existing noise-sensitive residential receptor is approximately 40 feet to the north of the proposed project's northern boundary. At the site boundary, this analysis assumes that only the two loudest pieces of equipment, comparable to Federal Transit Administration general assessment guidance, for the listed phase would be involved in construction activity for *a* limited portion of the 8-hour workday. In other words, at such proximity, the operating equipment cannot "stack" or crowd the vicinity and still operate.

Table 3.13-2 presents the estimated construction noise level (8-hour L_{eq}) for each anticipated phase of project construction activity. Details of these predictions in Appendix E show the expected acoustical contribution from each type of operating construction equipment for each phase.

Table 3.13-2. Estimated Per-Phase Construction Noise Levels

Project Construction Activity Phase	Nearest Horizontal Distance to Nearest Noise-sensitive Receptor (Feet)	Predicted 8-hour L_{eq} (dBA) for Nearest Distance	Centroid Horizontal Distance to Nearest Noise-sensitive Receptor (Feet)	Predicted 8-hour L_{eq} (dBA) for Centroid Distance
Demolish Existing Tank	200	62.6	250	60.3
Mobilization and Cleaning	40	79.8	165	64.0
Landscaping and fence installation	40	70.8	165	55.0
Backfill and Compact	40	72.4	165	56.5
Site Drainage Improvements	40	69.8	165	54.0
Grading	40	76.8	165	61.0
Reservoir Construction	40	75.8	165	59.9

Table 3.13-2. Estimated Per-Phase Construction Noise Levels

Project Construction Activity Phase	Nearest Horizontal Distance to Nearest Noise-sensitive Receptor (Feet)	Predicted 8-hour L_{eq} (dBA) for Nearest Distance	Centroid Horizontal Distance to Nearest Noise-sensitive Receptor (Feet)	Predicted 8-hour L_{eq} (dBA) for Centroid Distance
Paving	40	72.8	165	57.0
Architectural Coating	40	69.8	165	54.0
Yard Piping and Vaults	40	74.6	165	58.7

Source: Appendix E.
Note: L_{eq} = energy-equivalent sound level; dBA = A-weighted decibel

As shown in Table 3.13-2, predicted construction noise levels at the nearest residential property (approximately 40 feet from the project's northern boundary) could reach up to 80 dBA L_{eq} over an 8-hour period during mobilization and cleaning activities. These levels exceed the City of Chino's construction noise threshold of 65 dBA L_{eq} for residential areas, even under conservative modeling assumptions that limit heavy equipment operation to a cumulative total of 2 hours per day at the closest approach. Because of the proximity of construction activities to sensitive receptors and the intensity of equipment use, unmitigated construction noise would exceed applicable City standards.

At more typical distances, closer to the center of the project site (approximately 165 feet from the nearest residence), construction noise levels are estimated to range from approximately 54 dBA L_{eq} to 64 dBA L_{eq}. To ensure compliance with the 65 dBA 8-hour L_{eq} threshold and to mitigate potential exceedances, **MM- NOI-1** shall be implemented. Proper implementation of **MM-NOI-1**, including the installation of 10-foot-tall temporary noise barriers along the project's northwestern and eastern boundaries, can reduce noise levels by up to 15 decibels, thereby reducing the estimated unmitigated construction noise levels to approximately 64.7 dBA L_{eq}, which is within the acceptable limit.

In summary, while construction noise during allowable daytime hours (between 7:00 a.m. and 7:00 p.m.) has the potential to exceed the 65 dBA 8-hour L_{eq} threshold at the nearest residential receptors, the incorporation of **MM-NOI-1** is recommended to reduce construction noise exposure levels. With the implementation of this mitigation measure, temporary construction-related noise would be less than significant.

The outcome of the King & Gardiner Farms versus Kern County judge's decision established a requirement for construction noise analyses to disclose the relative increase of construction noise over ambient noise levels. Construction noise levels would cause a temporary increase of up to 15 dB L_{eq} over existing ambient noise levels at ST2 with mitigation measures implemented, which would be perceived as being up to twice as loud to average healthy hearing.

MM-NOI-1 described below would apply during project construction activities.

Operation

Less-Than-Significant Impact. Upon completion of construction, the project would operate similar to existing conditions, and there would be no increase in staffing to operate the proposed replacement facility. Therefore, noise from on-site activities such maintenance, operation of the Benson WTP complex, and related sound emission would be relatively unchanged. Project operation noise would be considered less than significant.

Mitigation Measures

MM-NOI-1 Temporary Construction Noise Reduction. The City shall require the contractor to install temporary noise abatement during construction activities occurring near off-site residential receptors, specifically along the northern and eastern boundaries of the project site where residences are closest.

Noise abatement shall consist of sound blankets, field-erected plywood sheeting, or comparable temporary solid barriers (minimum height of 10 feet and minimum sound transmission class [STC] rating of 25) placed to block direct line-of-sight between construction activities and the nearest noise-sensitive receptors. The barrier shall be installed prior to commencement of heavy equipment use and maintained throughout all relevant construction phases.

The temporary barrier is expected to achieve a minimum construction noise reduction of approximately 13 decibels (dB) at the nearest residential property line, based on modeling results provided in Appendix E.

In addition to the noise barrier, the following supplemental measures shall be implemented:

- Administrative controls (e.g., further reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances to a nearest receiving occupied off-site property).
- Engineering controls (change equipment operating parameters [e.g., speed, capacity], or install features or elements that otherwise reduce equipment noise emission [e.g., upgrade engine exhaust mufflers]).

The contractor shall document the installation and maintenance of noise abatement measures and provide verification to the City prior to and during construction.

b) Would the project result in generation of excessive ground-borne vibration or ground-borne noise levels?

Less-than-Significant Impact. Vibration is oscillatory movement of mass (typically a solid) over time. Depending on their distances to a sensitive receptor, operation of large bulldozers, graders, loaded dump trucks, or other heavy construction equipment and vehicles on a construction site have the potential to cause high vibration amplitudes.

The CMC prohibits ground vibration that is perceptible without instruments at adjacent properties, with a defined threshold of 0.05 ips root-mean square vertical velocity. However, construction-related vibration is exempt from this standard as long as it occurs during allowable construction hours and does not pose a

risk to public health, welfare, or safety. This exemption allows typical construction activities to proceed while maintaining protections for nearby sensitive uses. Ground-borne vibration attenuates rapidly, even over short distances. The attenuation of ground-borne vibration as it propagates from source to receptor through intervening soils and rock can be estimated with expressions found in Federal Transit Administration and California Department of Transportation guidance. By way of example, for a bulldozer or grader operating as close as 40 feet to the nearest receiving residential land use during the site preparation construction phase as shown in Table 3.13-2, the estimated vibration velocity level would be 0.044 ips per the equation as follows (Federal Transit Administration 2018):

$$PPV_{rcvr} = PPV_{ref} \times (25/D)^{1.5} = 0.044 \text{ ips PPV} = 0.089 \times (25/40)^{1.5}$$

In the above equation, PPV_{rcvr} is the predicted vibration velocity at the receiver position (i.e., residence), PPV_{ref} is the reference value at 25 feet from the vibration source (the bulldozer), and D is the actual horizontal distance to the receiver from the source.

Predicted ground-borne vibration velocity PPV values associated with project construction are below the 0.05 ips root-mean square threshold for the City of Chino and would occur within allowable construction hours. Impacts during construction would be less than significant.

Once operational, the proposed project would not be expected to feature major producers of ground-borne vibration. Anticipated mechanical systems like heating, ventilation, and air-conditioning units are designed and manufactured to feature rotating (fans, motors) and reciprocating (compressors) components that are well-balanced with isolated vibration within or external to the equipment casings. For this reason, operational ground-borne vibration at off-site receptors would be considered less than significant.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. There are no public airports or private airfields within 2 miles of the project and the project area is far from any aviation traffic noise contour greater than 65 dBA community noise equivalent level. Construction workers and employees of the Benson Reservoir WTP would not be exposed to significant aviation noise levels. No impact would occur.

3.14 Population and Housing

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

a) ***Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?***

No Impact. Construction of the project would result in a temporary direct increase in construction jobs in the area. However, given the relatively small nature of the project construction and anticipated schedule, the demand for construction employment would likely be met within the existing and future labor market in the City and in the San Bernadino County area. If construction workers live outside of the City, these workers would likely commute during the temporary construction period. Operationally, the project does not contain land uses that typically result in direct population growth, such as new homes or large commercial/business centers. The project would not change the use of the existing Benson WTP Complex. Therefore, the project would not directly result in substantial unplanned population growth in the area.

The project would expand the City's water-storage capabilities; however, this expansion would serve the existing needs of the City and does not include components that would lead to new housing, commercial development, or other factors that could result in population growth. Therefore, the project would not indirectly result in substantial unplanned population growth in the area. No impact would occur.

b) ***Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?***

No Impact. The project site does not contain any existing housing or provide other means of housing people. The project would not displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere. No impact would occur.

3.15 Public Services

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES – Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☐	☒
Police protection?	☐	☐	☐	☒
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

a) ***Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:***

Fire protection? Police protection? Schools? Parks? Other public facilities?

No Impact. As discussed in Section 3.14, Population and Housing, the project would not induce substantial unplanned population growth in the area. As such, construction, operation, and maintenance of the project would not require new or physically altered facilities associated with fire protection, police protection, schools, parks, or other public facilities. Therefore, no impact would occur.

3.16 Recreation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

a) ***Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?***

No Impact. The project site is located within the existing Benson WTP complex, which consists of water production, treatment, and storage facilities. Construction and operation of the project within the existing Benson WTP complex would have no impact on parks or recreational facilities. As such, no impact would occur.

b) ***Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?***

No Impact. The project would include improvements to the existing Benson WTP complex. As discussed in Section 3.16(a) above, construction and operation would not impact parks or recreational facilities. Furthermore, as discussed in Section 3.14, implementation of the project would not induce population growth. No impact would occur.

3.17 Transportation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

a) Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less-than-Significant Impact. The project would not conflict with applicable programs, plans, ordinances, or policies addressing the circulation system, as further discussed below. This includes the City's General Plan Infrastructure Element (City of Chino 2025b); the Bicycle and Pedestrian Master Plan (City of Chino 2016), and existing and proposed roadway, transit, bicycle, and pedestrian facilities or services in the project area. While the City of Chino is adjacent to the City of Ontario, applicable programs, plans, ordinances, or policies addressing the circulation system are discussed for the City of Chino as the project is located within Chino city limits.

General Plan Infrastructure Element

The City of Chino's Infrastructure Element focuses on supporting travel within Chino, connecting the transportation system to regional transportation options, reducing the impacts of transportation on the region's environment, and providing a variety of options so individuals can choose to travel by car, bicycle, foot, or public transportation. Key goals and policies include (City of Chino 2025b):

- Goal INF-1. Regional Connectivity: Strengthen connections to the regional transportation network.
- Goal INF-2. Comprehensive Transportation: Plan, design, build, and maintain a local transportation network that provides safe and efficient access throughout Chino and optimizes travel by all modes.
- Goal INF-3. Efficient Circulation: Manage the City's transportation system to maximize the efficiency of the network, minimize congestion and air pollution, and reduce vehicle miles traveled (VMT0>).
- Goal INF-4. Connected City: Provide safe and convenient connections between neighborhoods and destinations within Chino for pedestrians, cyclists, and transit riders.

City of Chino Bicycle and Pedestrian Master Plan

The City of Chino Bicycle and Pedestrian Master Plan (City of Chino 2016) was developed to provide the City a guide to improve bicycling and walking activity throughout the City. The Plan emphasizes the development of a safe, accessible, and sustainable transportation network to encourage bicycling and walking throughout the community. By incorporating public feedback and technical planning, the Bicycle and Pedestrian Master Plan prioritizes multimodal integration, safety improvements, and reduced automobile dependence. Through the creation of new development, upgrades to existing ones, and educational programs, the City aims to foster a more bicycle and pedestrian friendly environment.

Transit, Bicycle, and Pedestrian Facilities

Public transportation in the City is provided by Omnitrans, Foothill Transit, and Orange County Transportation Authority. The nearest transit route to the project site is Omnitrans Route 85, with service on Central Avenue. Omnitrans Route 85 is a north-south route that provides service between the Chino Transit Center, Montclair, Upland and the Chaffey College in Rancho Cucamonga. The nearest bus stop to the project site is located at the intersection of Central Avenue and Francis Avenue, approximately 0.4 miles northeast of the project site, servicing Omnitrans Route 85. Omnitrans Route 85 operates from

approximately 4:20 a.m. to 10:05 p.m. on weekdays, and from 6:00 a.m. to 7:44 p.m. on weekends (Omnitrans 2025). Omnitrans also provides transit services through OmniRide, an on-demand, shared transit service offering flexible pick-up and drop-off locations. OmniRide serves the Chino, Chino Hills, and Bloomington areas.

There are numerous bike facilities within the vicinity of the project site, including a Class III bike route on Philadelphia Avenue between South Benson Avenue and Central Avenue, a Class II bike lane on Philadelphia Avenue between Central Avenue and Monte Vista Avenue, a Class II bike lane on South Benson Avenue between Philadelphia Street and Walnut Avenue, a Class II bike route on South Benson Avenue between Walnut Avenue and Chino Avenue, and a Class II bike lane on Monte Vista Avenue between Philadelphia Street and Riverside Drive (City of Chino 2025b).

The City of Chino is well served by sidewalks, with relatively few gaps in the sidewalk network. Sidewalks are present along most roads within the vicinity of the site.

Impact Analysis

The project involves constructing and operating a replacement reservoir for the existing Benson Reservoir within the City's Benson WTP complex. This includes connecting the new reservoir to the existing system and demolishing the current structure.

Construction

The construction phase is expected to cause a temporary, short-term increase in traffic, due to the arrival of construction workers and the delivery of materials and equipment to the site. Construction work is planned to take place over a period of 12 months, with some phases overlapping. The typical working hours would be Monday through Friday from 7:00 a.m. to 5:30 p.m., with no night work anticipated. Construction activities would be carried out in compliance with the City of Chino's noise and construction regulations, ensuring that heavy equipment is used within the permitted hours. The project would involve traffic impacts primarily related to construction activities, but these impacts are expected to be temporary.

Regional access to the project site is from SR 60, which is located approximately 0.5 miles to the south; SR 83, which is located approximately 1.7 miles to the east; Interstate 10, which is approximately 3.3 miles to the north; and SR 71, which is approximately 4.6 miles to the west. Local construction access would be provided from South Benson Avenue. Temporary equipment staging and construction trailers would be established within the existing Benson WTP complex boundary, with no additional off-site staging anticipated to be needed. Full or partial closures of any public roads are not anticipated for project construction. If temporary closures of South Benson Avenue or adjoining roadways are required for project construction, the temporary closures would be performed pursuant to a traffic-control plan prepared by the contractor and subject to City approval. The traffic control plan would include measures such as identifying the proposed truck routes, minimizing and/or avoiding truck travel during peak hours, using flaggers for local site access, and other measures. All lane closures would be performed pursuant to the traffic control plan. With implementation of the traffic control plan, the potential impact to the local circulation would be minimized and there would be no changes that would affect the safety and accessibility of the transportation system.

Construction of the replacement reservoir would entail excavating earth material and demolishing the existing reservoir. Material would be placed into dump trucks and hauled off site to a licensed landfill or quarry for reuse or disposal. The full extent of the material haul route or routes would be determined by the contractor and City of Chino Public Works Department once a disposal site has been identified. It is anticipated that the local route would follow South Benson Avenue to Philadelphia Street or Francis Avenue to access Central Avenue, which is a designated City truck route, to connect to SR 60, which is a designated State truck route (City of Chino 2016). Due to the nominal and temporary increase in construction traffic, any effect on the operations of roadways or the overall circulation system along these roads would be minimal.

The nearest bicycle facilities to the project site are a Class III bike route on Philadelphia Avenue between South Benson Avenue and Central Avenue and a Class II bike lane on South Benson Avenue between Philadelphia Street and Walnut Avenue. Omnitrans Route 85 is the nearest transit route to the site, with service on Central Avenue, and a bus stop at the intersection of Central Avenue and Francis Avenue. The transit, bicycle, and pedestrian facilities would remain open during construction, and the temporary and minimal increase in construction related traffic would not interfere with existing public transit, bicycle, or pedestrian facilities. Impacts would be less than significant.

Operation

The project primarily involves the construction of a replacement reservoir, which would not alter or obstruct the existing transportation network in the area. Once the reservoir is replaced, the project would operate similar to existing conditions. Access to the site would remain unchanged, with no changes to surrounding roadways, bike lanes, or pedestrian facilities. The project would not include site improvements that would extend into the public right-of-way or interfere with the existing roadway network, public transit, bicycle, or pedestrian facilities, or impede the construction of new or the expansion of existing facilities in the future. The project would also not severely delay, impact, or reduce the service level of transit in the area. Additionally, the project would not impact traffic circulation or result in significant changes to the existing transportation network. Consequently, the project would be in compliance with the City's transportation policies, which aim to maintain a safe, integrated, and multi-modal transportation network.

Therefore, the proposed project would not conflict with the circulation policies within the City's General Plan or the City's Bicycle and Pedestrian Master Plan. Impacts would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?

Less-than-Significant Impact. CEQA Guidelines Section 15064.3(b) focuses on VMT for determining the significance of transportation impacts. The Updated CEQA Guidelines state that "generally, vehicle miles traveled (VMT) is the most appropriate measure of transportation impacts," and define VMT as "the amount and distance of automobile travel attributable to a project." "Automobile" refers to on-road passenger vehicles, specifically cars and light trucks. The Governor's Office of Land Use and Climate Innovation (LCI), formerly known as the Governor's Office of Planning and Research (OPR), has clarified in its Technical Advisory on Evaluating Transportation Impacts in CEQA (LCI 2018) that heavy-duty truck VMT is not required to be included in the estimation of a project's VMT.

Consistent with LCI's Technical Advisory, the City developed the City of Chino Impact Analysis Guidelines, which establishes VMT screening criteria and thresholds for evaluating a project's potential impact on VMT (City of Chino 2020b). Based on guidance provided from LCI, and per the City's guidelines, land use projects can be screened from a VMT analysis if the project generates less than 110 daily trips, is a local serving retail project less than 50,000 square feet in size, is an office or residential use located in a low VMT Traffic Analysis Zone (TAZ), is within a transit priority area, or is an employment-related project within a low VMT TAZ that would generate similar VMT metrics to existing land uses in a low VMT area. A project only needs to satisfy one of the screening criteria to be exempt from further VMT.

Construction

CEQA Guidelines Section 15064.3(b) is divided into four subdivisions: (1) land use projects, (2) transportation projects, (3) qualitative analysis, and (4) methodology. The project is not a land use or transportation project; and the project would not result in a major expansion of the Benson WTP complex. Therefore, neither Section 15064.3(b)(1) nor Section 15064.3(b)(2) of the CEQA Guidelines apply. Instead, the project would be categorized under Section 15064.3(b)(3), suitable for qualitative analysis and not subject to a quantitative threshold. Furthermore, the City's project size screening criterium (projects generating 110 daily trips or less) are intended to address permanent vehicle trips. Therefore, a qualitative analysis of the project construction is provided.

The project would involve construction that would generate temporary construction-related traffic for approximately 12 months. Measures to reduce the VMT generated by workers and trucks are limited, and there are no thresholds or significance criteria for temporary, construction-related VMT. The project construction would generally be consistent with construction activities in terms of the temporary nature of activities, trip generation characteristics, and the types of vehicles and equipment required. The increase in VMT associated with the projects' construction is expected to be temporary and would therefore not cause a significant VMT impact.

Operation

Once construction of the replacement reservoir is complete, the replacement reservoir would operate as a key component of the City's water distribution system. Operational activities would include routine inspections, monitoring, and maintenance to ensure the proper function of the reservoir and its associated infrastructure. Operational activities are expected to generate minimal vehicle trips, primarily for maintenance personnel and occasional inspections, with no significant changes to existing traffic patterns. The operation of the proposed project can be considered a "small project" per the City's Transportation Study Guidelines and LCI Technical Advisory given that it would not generate greater than 110 daily trips and would therefore be presumed to have a less than significant VMT impact.

Therefore, the project would not result in any substantial increase in VMT or conflict with CEQA Guidelines Sections 15064.3(b)(1) and 15064.3(b)(3).

c) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Construction

Less-than-Significant Impact. The project site is located in an established, developed area with direct access to designated local and regional truck routes. Transportation and haul permits would be required from the California Departmen of Transportation and the City of Chino for construction truck traffic. The project would not introduce uses (types of vehicles) that are incompatible with existing uses already served by the area's road system during either construction or operations.

The proposed project would involve construction within the existing Benson WTP complex and would not include construction within the public right-of-way. During construction of the project, temporary construction and staging areas would be located within the existing Benson WTP complex. Full or partial closures of any public roads are not anticipated for project construction. If temporary closures of South Benson Avenue or adjoining roadways are required for project construction, the temporary closures would be performed pursuant to a traffic-control plan prepared by the contractor and subject to City approval. With implementation of the traffic control, there would be no changes that would affect the safety and accessibility of the transportation system. Therefore, impacts associated with hazardous design features or incompatible land uses would be less than significant.

Operation

Less-than-Significant Impact. Access to the site would be provided from existing City streets and from the existing driveway. There would be no changes to the existing off-site circulation on City roads. Therefore, the project would not substantially increase hazards due to a roadway design feature or introduce incompatible uses. Impacts would be less than significant.

d) Would the project result in inadequate emergency access?

Construction

Less-Than-Significant Impact. The project site is located in an established, developed area with sufficient access for emergency service providers. The proposed project would involve construction within the existing Benson WTP Complex and would not include construction within the public right-of-way. During construction of the project, temporary construction and staging areas would be located within the existing Benson WTP Complex. Full or partial closures of any public roads are not anticipated for project construction. If temporary closures of South Benson Avenue or adjoining roadways are required for project construction, the temporary closures would be performed pursuant to a traffic-control plan prepared by the contractor and subject to City approval. As part of the traffic control plan, the contractor would follow standard construction practices and ensure that adequate on-site circulation and access is always maintained for all users, including coordinating with local emergency response providers (local police, fire, and medical dispatch) regarding proposed construction activities. As such, construction of the project would have a less-than-significant impact related to emergency access.

Operation

Less-Than-Significant Impact. As previously discussed, the project site is located in an established, developed area with sufficient access for emergency service providers. There would be no changes to the existing off-site circulation on City roads during project operations. As such, operation of the project would have a less-than-significant impact related to emergency access.

3.18 Tribal Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☒	☐	☐
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

The evaluation of potential impacts to Tribal Cultural Resources (TCRs) is primarily based on the findings resulting from tribal consultation conducted by the City, as the lead agency, as well as the findings of Section 3.5, Cultural Resources, in this MND. Background research and fieldwork conducted to inform this analysis included a NAHC SLF search, archival research and California Historical Resources Information System database records search, a pedestrian survey of the project area, and the results of formal tribal consultation pursuant to California Assembly Bill (AB) 52.

The project is subject to compliance with AB 52 (PRC 21074), which requires consideration of impacts to TCRs as part of the CEQA process, and that the lead agency notify California Native American Tribal representatives (that have requested notification) who are traditionally or culturally affiliated with the geographic area of the proposed project. All NAHC-listed California Native American Tribal representatives that have requested project notification pursuant to AB 52 were sent letters by the City on November 20, 2024. The notification letters contained a project

description, outline of AB 52 timing, an invitation to consult, a project location figure, and contact information for the appropriate lead agency representative. Three responses were received by the City from the Moronga Band of Mission Indians, San Manuel Nation, and Gabrieleño Band of Mission Indian-Kizh Nation. The Moronga Band of Mission Indians and San Manuel Nation both responded that the project is not within their ancestorial territory and traditional use area boundaries and did not request AB 52 consultation. The Gabrieleño Band of Mission Indian-Kizh Nation responded requesting AB 52 consultation.

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?

Less Than Significant Impact with Mitigation Incorporated. As discussed in Section 3.5, no previously recorded archaeological resources of Native American origin or TCRs listed in the California Register of Historic Resources or a local register were identified within the project area as a result of the SCCIC records search, the NAHC SLF results, or the pedestrian survey. Additionally, the City notified California Native American Tribal representatives who are traditionally or culturally affiliated with the geographic area of the project pursuant to AB 52. A response was received from the Gabrieleño Band of Mission Indian-Kizh Nation on January 13, 2025, requesting AB 52 consultation for the project. Mitigation measures for cultural resources monitoring were provided on January 16, 2025. The City agreed to the mitigation measures and consultation was concluded on January 16, 2025. No TCRs were identified as a result of information provided from the Gabrieleño Band of Mission Indian-Kizh Nation. Therefore, the project would not adversely affect TCRs that are listed or eligible for listing in the state or local register.

Although the potential for encountering subsurface TCRs are low, it is possible previously unknown TCRs could be inadvertently discovered during construction. As such, **MM-TCR-1** through **MM-TCR-3** would be implemented to prevent impacts to potential TCRs.

MM-TCR-1 Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities

A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians–Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.
B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.
C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed,

locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.

D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.

MM-TCR-2 Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/ Non-Ceremonial)

A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural, and/or historic purposes.

MM-TCR-3 Unanticipated Discovery of Human Remains and Associated Funerary Objects or Ceremonial Objects

A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.
B. If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resources Code section 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.
C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).
D. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.
E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.

b) ***A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.***

Less Than Significant Impact with Mitigation Incorporated**.** The project is subject to compliance with AB 52 (PRC 21074), which requires consideration of impacts to TCRs as part of the CEQA process and requires lead agencies to provide notification of proposed projects to California Native American Tribal representatives that have requested such notifications. No TCRs were identified as a result of information provided from the Kizh Nation. Therefore, the project would not adversely affect TCRs that are listed or eligible for listing in the state or local register. Although potential for encountering subsurface TCRs are low, it is possible previously unknown TCRs could be inadvertently discovered during construction. As such, **MM-TCR-1** through **MM-TCR-3** would be implemented to prevent impacts to potential TCRs.

3.19 Utilities and Service Systems

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, waste water treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☐	☒
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☒

a) Would the project require or result in the relocation or construction of new or expanded water, waste water treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less-than-Significant Impact. The project entails constructing and operating a replacement for the existing Benson Reservoir within the City's Benson WTP complex, connecting the replacement reservoir to the system, and demolishing the existing reservoir. The replacement reservoir is planned to have a capacity of 7.85 MG, an increase in size from the existing 1.5 MG reservoir, in order to expand the City's water storage capabilities and improve water storage and distribution infrastructure. The project would involve improvements to stormwater drainage, including the expansion of the existing retention basin and construction of a new retention basin, to accommodate the increased runoff from the expanded impermeable surfaces, such as the new reservoir and access roads. These improvements are contained within the project site and would not require off-site infrastructure or result in a significant impact pursuant to CEQA. Potential environmental impacts associated with the implementation of the project are analyzed throughout this MND. Impacts would be less than significant.

b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less-than-Significant Impact. The project would increase the Benson WTP's reservoir size from 1.5 MG to 7.85 MG. The larger reservoir would expand the City's water-storage capabilities. Project construction would temporarily require a minor amount of water primarily associated with site watering in compliance with SCAQMD Rule 403 to prevent, reduce, or mitigate fugitive dust emissions from construction activities. The project would not directly affect water supply but is intended to support the City's existing water system by improving water storage and distribution infrastructure. The increased storage capacity would aid in managing water supplies during varying demand conditions, including normal, dry, and multiple dry years, by providing more reliable storage and backup during times of reduced supplies. Other existing components of the Benson WTP complex that require water would not change their existing usage. As such, operation of the project would not demand additional water use. Therefore, impacts would be less than significant.

c) Would the project result in a determination by the waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

No Impact. Construction and operation of the project would not generate wastewater demand. Therefore, no impact would occur.

d) Would the project generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less-than-Significant Impact. During construction, the project would generate solid waste such as residual wastes, plastics, and soils. Additionally, demotion of the existing reservoir and appurtenances would result in solid waste. Construction-generated solid waste would be temporary and would cease once construction is completed. Solid waste generated by project construction would be properly disposed of at designated landfill facilities for construction and demolition debris. Operation of the project would not generate any substantial additional solid waste beyond current WTP complex conditions. As such, solid

waste generated by the project would not exceed state or local standards or the capacity of local infrastructure. Impacts would be less than significant.

*e) **Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?***

No Impact. As discussed in Section 3.19(d), construction-generated solid waste would be temporary, and operation of the project would not generate substantially more solid waste than existing conditions. Solid waste generated by project construction would be disposed of at designated landfill facilities under federal, state, and local regulation. Additionally, the project would be required to adhere to City and County ordinances with respect to waste reduction and recycling. As a result, no impacts related to state and local statutes governing solid waste are anticipated.

3.20 Wildfire

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

Less-than-Significant Impact. The project site is located within a Local Responsibility Area and is not located within a Fire Hazard Severity Zone (CAL FIRE 2024). The City has prepared a Local Hazard Mitigation Plan. The hazard mitigation plan is a document that contains information to assist communities in reducing risk from hazards by identifying resources, information, and strategies for risk reduction (City of Chino 2025c). The proposed project would involve construction within the existing Benson WTP Complex and would not include construction within the public right-of-way. During construction of the project, temporary construction and staging areas would be located within the existing Benson WTP Complex. Full or partial closures of any public roads are not anticipated for project construction. If temporary closures of South Benson Avenue or adjoining roadways are required for project construction, the temporary closures would be performed pursuant to a traffic-control plan prepared by the contractor and subject to City approval, which would demonstrate that emergency access or evacuation would not be impeded. Traffic would resume to existing conditions upon completion of the project. Impacts would be less than significant.

b) Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less-than-Significant Impact. During construction, the use of heavy equipment could cause sparks that could be a source of fire ignition. Construction of the project would comply with Chapter 15.32 of the CMC, which adopts the California Fire Code by reference. Chapter 33 of the California Fire Code outlines general fire safety precautions during construction and demolition that are intended to maintain minimum levels of fire protection and limit the spread of fire. Thus, construction of the project would not result in an exacerbated fire risk. The project would not include structures intended for long-term occupancy. Furthermore, the project site is relatively flat and would not influence prevailing winds or other factors that could exacerbate wildfire risk. As such, the project would not exacerbate wildfire risks such that project users would be exposed to pollutants concentrations. Impacts would be less than significant.

c) Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Less-than-Significant Impact. As discussed previously, the project overall would not exacerbate fire risk. Construction would comply with California Fire Code requirements to manage and minimize fire risk during construction. Operation of the project would not contain potential sources for fire risk. As such, the project would not result in installation or maintenance of associated infrastructure that may exacerbate fire risk. Impacts would be less than significant.

d) Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less-than-Significant Impact. For reasons described previously in Sections 3.9(g) and 3.20(a), (b), and (c), the project would not pose a substantial risk for wildfire. The project would be located on relatively flat land within the Benson WTP Complex. As such, implementation of the project would not expose people or

structures to significant risks from post-fire slope instability or drainage changes. Impacts would be less than significant.

3.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

a) ***Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?***

Less Than Significant Impact with Mitigation Incorporated. Potential impacts related to sensitive and special-status habitat, wildlife species, and plant species are discussed in Section 3.4, Biological Resources. As discussed in Section 3.4, all potentially significant impacts to biological resources would be reduced to a level below significance with incorporation of mitigation measures. The proposed project would not substantially degrade the quality of the environment or impact fish or wildlife species or plant communities. As discussed in Section 3.5, potential impacts to cultural resources would be reduced to a

level below significance with incorporation of mitigation measures. The proposed project would not eliminate important examples of the major periods of California history or prehistory. Overall, impacts would be less than significant with incorporation of mitigation measures.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less Than Significant Impact with Mitigation Incorporated. As indicated in the analysis presented throughout Chapter 3, Initial Study Checklist, of this MND, the proposed project would not result in significant and unavoidable impacts in any issue area. Mitigation measures would reduce impacts to below a level of significance.

Cumulative projects in the City include the Eucalyptus Park Business Park Specific Plan, the Well 11 Pipeline project located in the vicinity of the project site; the Chino Gateway project located near the intersection of Oaks Avenue and Schaefer Avenue, approximately 2.36 miles south of the project site; the Philadelphia Street Industrial Site and East End Annexation project located approximately 2.46 miles west of the project site; the 13610 Yorba Avenue project located approximately 2.54 miles southwest of the project site; the Benson Industrial project located at 13925 Benson Avenue, approximately 2.62 miles south of the project site; the Eden Mixed Use Development project located near the intersection of Schaefer Avenue and Euclid Avenue, approximately 2.91 miles southeast of the project site; the Corporate Center Townhomes located near the intersection of Corporate Center Avenue and Ramona Avenue, approximately 3.97 miles southwest of the project site; the Chino Creek Apartments project located at 4700 Chino Hills Parkways, approximately 4.02 miles southwest of the project site; the Pine Avenue Connector/Bridge (SR-71 to Euclid Avenue) project, approximately 6.17 miles south of the project; the Pine Avenue at SR-71 Interchange Improvements project, approximately 6.23 miles south of the project; and the Euclid Avenue Bridge (Pine Avenue to Pomona Rincon Avenue) project, approximately 6.58 miles south of the project. The project is not located in the immediate vicinity of any large cumulative projects whose construction phase would overlap to create cumulative impacts. The proposed project, as with potential cumulative projects, would incorporate mitigation measures to reduce impacts, as applicable, particularly during construction. Upon completion of construction, the proposed project would have no potential to contribute to a cumulative impact. Impacts would be less than significant with incorporation of mitigation measures.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less Than Significant Impact with Mitigation Incorporated. The potential for adverse direct or indirect impacts to human beings was considered throughout Chapter 3 of this MND. Based on this evaluation, there is no substantial evidence that construction or operation of the project with the proposed mitigation measures incorporated would result in a substantial adverse effect on human beings. Impacts would be less than significant with incorporation of mitigation measures.

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4 References and Preparers

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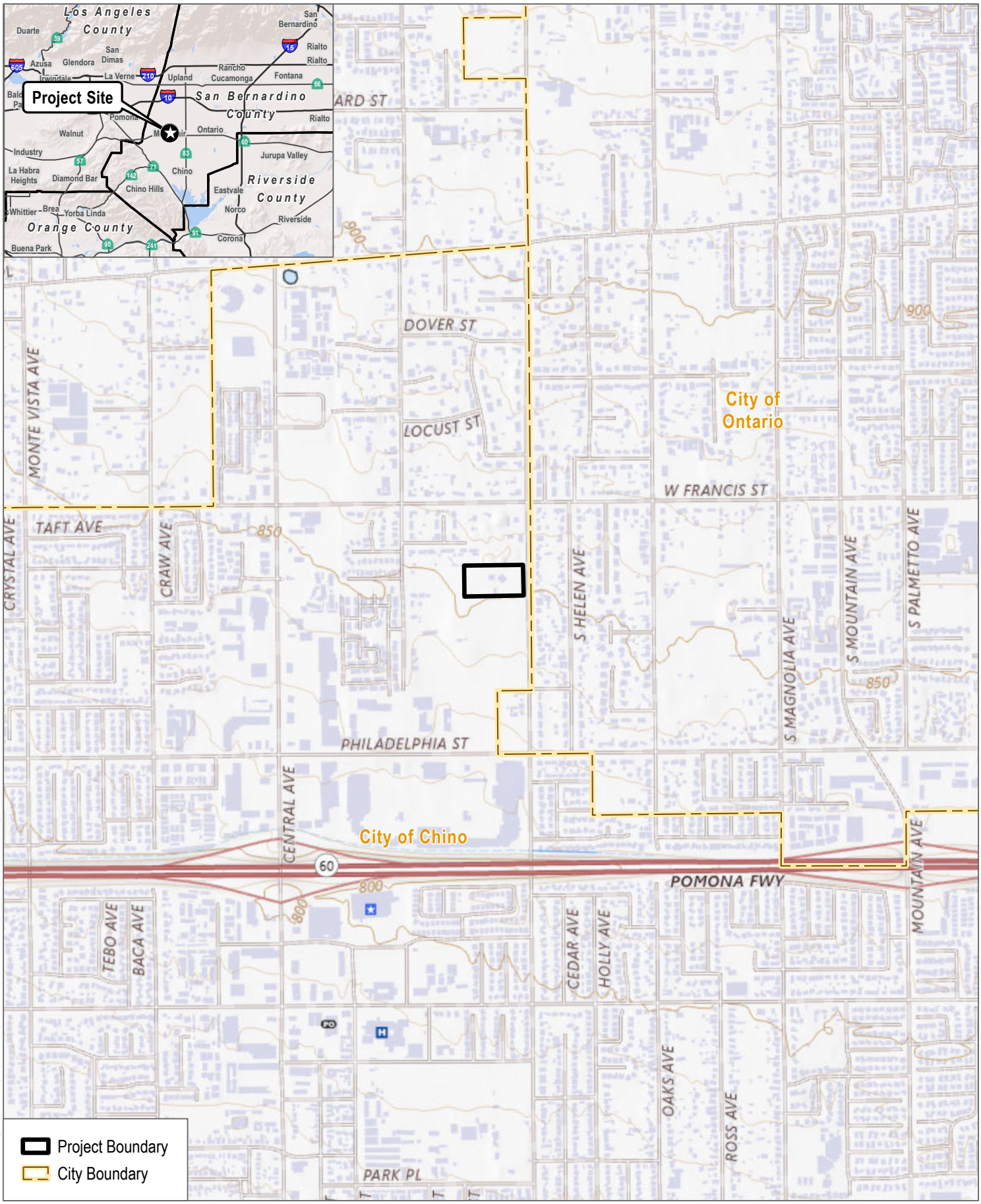
4.2 List of Preparers

City of Chino

Michelle Chapman – Capital Improvement Program Engineering Manager
Chi Wai Chan – Associate Engineer

Dudek

Alex Hardy - Senior Project Manager
Connor Burke - Environmental Acoustician
Tuesday Christoper - Environmental Planner
Josh Elson - Biologist
Carmen Garcia - Geospatial Analyst
Ryan J. Glenn, MA, RPA – Archaeological Principal Investigator
Shawna Johnson - Paleontologist
David Larocca - Senior Air Quality Specialist
Keshia Montifolca, MA, RPA – Project Archaeologist
Kaylee Palmares - Environmental Planner
Hayley Rundle - Environmental Planner



SOURCE: USGS National Map 2025

FIGURE 1

Project Location

DUDEK

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SOURCE: Esri World Imagery

0 15 30 Meters

0 50 100 Feet

DUDEK

FIGURE 2

Project Site and Existing Features

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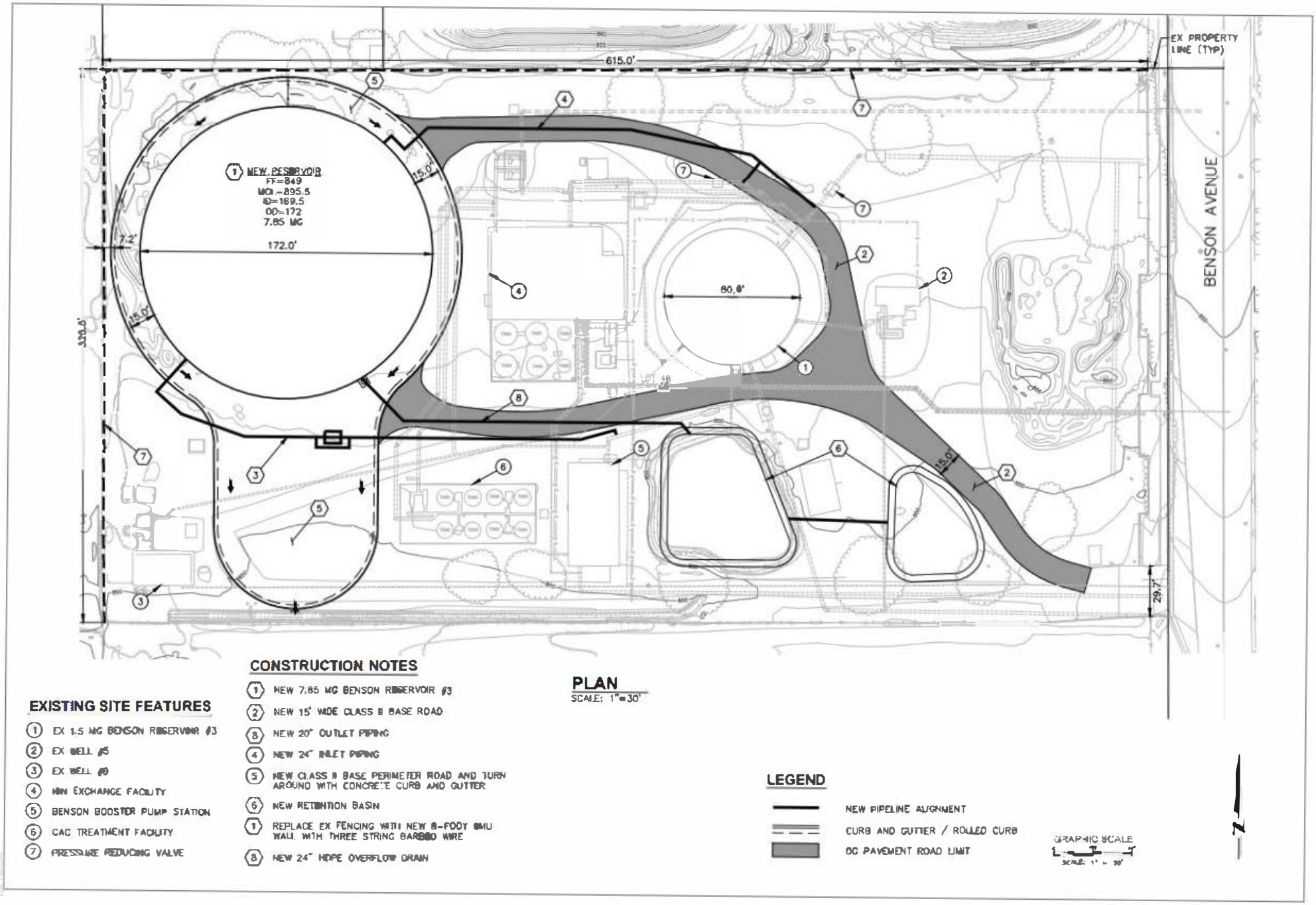

SOURCE: Dudek

FIGURE 3
Site Plan

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SOURCE: Esri World Imagery

FIGURE 3.4-1

Vegetation Communities and Land Covers

DUDEK

0 55 110 Feet

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SOURCE: ESRI World Imagery;

DUDEK

0 62.5 125 Feet

FIGURE 3.13-**1**

Noise Measurement Locations

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Appendix A

Mitigation, Monitoring, and Reporting Program

Mitigation, Monitoring, and Reporting Program

Benson Reservoir Replacement and Improvements Project

MARCH 2026

Prepared for:

CITY OF CHINO
Public Works Department
13220 Central Avenue
Chino, California 91710
Contact: Michelle Chapman

Prepared by:

DUDEK

2280 Historic Decatur Road, Suite 200
San Diego, California 92106
Contact: Alex Hardy

The California Environmental Quality Act (CEQA) requires that public agencies adopting a Mitigated Negative Declaration (MND) take affirmative steps to determine that approved mitigation measures and project design features are implemented subsequent to project approval. The lead or responsible agency must adopt a monitoring and reporting program for the mitigation measures incorporated into a project or included as conditions of approval. The program must be designed to ensure compliance with the MND during project implementation (Public Resources Code, Section 20181.6; CEQA Guidelines, Section 15074(d)).

This Mitigation, Monitoring, and Reporting Program (MMRP) will be used by the City of Chino (City) to track compliance with adopted mitigation measures associated with the implementation of the proposed Benson Reservoir Replacement and Improvements Project (project). The City, as Lead Agency pursuant to CEQA, will ensure that all mitigation measures identified for the project are carried out in accordance with the adopted MMRP.

This MMRP consists of a checklist (Table 1) that identifies the mitigation measures, organized by environmental impact category discussed in the MND. The table identifies the mitigation monitoring and reporting requirements, including the timing of verification (e.g., prior to, during, or after construction) and the party responsible for implementing the measure. Space is provided for sign-off following completion/implementation of the mitigation measure.

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Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Air Quality								
Mitigation Measure AQ-1	**Require Use of Tier 4 Off-Road Equipment During Construction.** Prior to the commencement of any construction activities, the Project applicant or its designee shall provide evidence to the City of Chino (City) that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 interim. An exemption from this requirement may be granted under the following two conditions: (1) The applicant's construction contractor shall demonstrate that at least three construction fleet owners/operators in San Bernardino County were contacted and that those owners/operators confirmed Tier 4 interim or final equipment could not be located within San Bernardino County during the desired construction schedule. (2) The proposed replacement equipment has been evaluated using the California Emissions Estimator Model or other industry standard emission estimation method and documentation has been provided to the City to confirm that necessary project-generated emissions reductions are achieved.	X			City of Chino			
Biological Resources								
Mitigation Measure BIO-1	**Nesting Bird Avoidance.** Project construction shall be conducted in compliance with the conditions set forth in the Migratory Bird Treaty Act and California Fish and Game Code to protect active bird/raptor nests. Vegetation removal shall occur during the non-breeding season for nesting birds and nesting raptors (September 1–January 31) to avoid impacts to nesting birds and raptors. If the project requires that work be performed during the breeding season for nesting birds (February 1-August 31) and nesting raptors (February 1–June 30), a pre-construction survey shall be conducted in the study area by qualified biologists for nesting birds and/or raptors within 3 days before project activities in order to avoid direct impacts on active nests. If the biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work shall be allowed to proceed. If the biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified biologist: (1) clearing limits shall be established within a buffer around any occupied nest; and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified biologist. The buffer shall be 100–300 feet for non-raptor nesting birds and 300–500 feet for nesting raptors. Construction can proceed into the buffer if the qualified biologist determines that the nest is no longer active.	X			City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Cultural Resources								
Mitigation Measure CUL-1	**Inadvertent Discovery of Archaeological Resources.** In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find. Construction activities may continue in other areas but should be redirected a safe distance from the find. If the new discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted. A data recovery plan shall be developed by the qualified archaeologist in consultation with the City and Native American representatives, if applicable. Ground disturbance can continue only after the resources have been properly mitigated and with approval by the City.		X		City of Chino			
Geology and Soils								
Mitigation Measure GEO-1	**Paleontological Monitoring.** Prior to commencement of any grading activity on site, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the project. The PRIMP shall be consistent with the SVP (2010) guidelines and should outline requirements for preconstruction meeting attendance and worker environmental awareness training, where monitoring is required within the proposed project site based on construction plans and/or geotechnical reports, procedures for adequate paleontological monitoring and discoveries treatment, and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting and a qualified paleontological monitor shall be on site during all rough grading and other significant ground-disturbing activities (including augering) in previously undisturbed, fine-grained Pleistocene sedimentary deposits. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Costs associated with laboratory work and curation fees are the responsibility of the City.	X	X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Noise								
Mitigation Measure NOI-1	**Temporary Construction Noise Reduction.** The City shall require the contractor to install temporary noise abatement during construction activities occurring near off-site residential receptors, specifically along the northern and eastern boundaries of the project site where residences are closest. Noise abatement shall consist of sound blankets, field-erected plywood sheeting, or comparable temporary solid barriers (minimum height of 10 feet and minimum sound transmission class [STC] rating of 25) placed to block direct line-of-sight between construction activities and the nearest noise-sensitive receptors. The barrier shall be installed prior to commencement of heavy equipment use and maintained throughout all relevant construction phases. The temporary barrier is expected to achieve a minimum construction noise reduction of approximately 13 decibels (dB) at the nearest residential property line, based on modeling results provided in Appendix E. In addition to the noise barrier, the following supplemental measures shall be implemented: ▪ Administrative controls (e.g., further reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances to a nearest receiving occupied off-site property). ▪ Engineering controls (change equipment operating parameters [e.g., speed, capacity], or install features or elements that otherwise reduce equipment noise emission [e.g., upgrade engine exhaust mufflers]). The contractor shall document the installation and maintenance of noise abatement measures and provide verification to the City prior to and during construction.		X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Tribal Cultural Resources								
Mitigation Measure TCR-1	**Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.** A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians–Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching. B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity. C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe. D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.	X	X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Mitigation Measure TCR-2	**Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).** A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural, and/or historic purposes.		X		City of Chino			
Mitigation Measure TCR-3	**Unanticipated Discovery of Human Remains and Associated Funerary Objects or Ceremonial Objects.** A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute. B. If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resources Code section 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed. C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). D. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.		X		City of Chino			

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Air Quality and Greenhouse Gas Emissions Modeling

Benson Reservoir MND Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	Benson Reservoir MND
Construction Start Date	8/26/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	9.20
Location	34.03872102266128, -117.68224293410923
County	San Bernardino-South Coast
City	Chino
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5216
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	62.0	1000sqft	1.42	23,235	6,244	0.00	—	Building SF set equal to tank [illegible]

Other Asphalt Surfaces	31.4	1000sqft	0.72	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.8	10.2	22.7	31.2	0.05	0.79	3.15	3.74	0.73	1.44	1.98	—	6,460	6,460	0.33	0.33	4.84	6,558
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.87	1.55	14.0	17.6	0.03	0.59	3.15	3.74	0.55	1.44	1.98	—	3,518	3,518	0.19	0.17	0.06	3,575
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.05	0.92	5.27	6.57	0.01	0.17	0.31	0.48	0.16	0.11	0.22	—	1,374	1,374	0.06	0.04	0.30	1,389
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.17	0.96	1.20	< 0.005	0.03	0.06	0.09	0.03	0.02	0.04	—	227	227	0.01	0.01	0.05	230

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.86	1.48	14.0	15.4	0.03	0.59	3.15	3.74	0.55	1.44	1.98	—	3,529	3,529	0.20	0.17	2.45	3,588
2027	10.8	10.2	22.7	31.2	0.05	0.79	2.41	3.20	0.73	0.46	1.18	—	6,460	6,460	0.33	0.33	4.84	6,558
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.85	1.48	14.0	15.2	0.03	0.59	3.15	3.74	0.55	1.44	1.98	—	3,518	3,518	0.19	0.17	0.06	3,575
2027	1.87	1.55	13.4	17.6	0.03	0.43	0.30	0.73	0.39	0.07	0.47	—	3,416	3,416	0.14	0.07	0.03	3,440
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.41	0.34	2.96	3.38	0.01	0.11	0.26	0.38	0.10	0.11	0.21	—	721	721	0.03	0.02	0.13	728
2027	1.05	0.92	5.27	6.57	0.01	0.17	0.31	0.48	0.16	0.06	0.22	—	1,374	1,374	0.06	0.04	0.30	1,389
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.08	0.06	0.54	0.62	< 0.005	0.02	0.05	0.07	0.02	0.02	0.04	—	119	119	0.01	< 0.005	0.02	120
2027	0.19	0.17	0.96	1.20	< 0.005	0.03	0.06	0.09	0.03	0.01	0.04	—	227	227	0.01	0.01	0.05	230

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.02	1.87	1.29	12.1	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,577	3,646	7.15	0.20	15.0	3,900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.76	1.63	1.37	9.22	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,393	3,462	7.15	0.20	6.28	3,708
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.85	0.81	0.35	2.18	< 0.005	0.02	0.36	0.37	0.02	0.09	0.11	68.9	1,076	1,145	7.04	0.09	6.60	1,355
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.15	0.06	0.40	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	11.4	178	190	1.17	0.02	1.09	224

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Area	0.71	0.70	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	2.02	1.87	1.29	12.1	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,577	3,646	7.15	0.20	15.0	3,900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Area	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	1.76	1.63	1.37	9.22	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,393	3,462	7.15	0.20	6.28	3,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.17	0.15	0.17	1.34	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	391	391	0.02	0.02	0.55	398
Area	0.65	0.65	0.01	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.85	2.85	< 0.005	< 0.005	—	2.86
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	0.85	0.81	0.35	2.18	< 0.005	0.02	0.36	0.37	0.02	0.09	0.11	68.9	1,076	1,145	7.04	0.09	6.60	1,355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9
Area	0.12	0.12	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Energy	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	97.5	97.5	0.01	< 0.005	—	98.0
Water	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0
Waste	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Total	0.15	0.15	0.06	0.40	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	11.4	178	190	1.17	0.02	1.09	224

3. Construction Emissions Details

3.1. Demo Existing Tank (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	12.4	14.4	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502

Demolition	—	—	—	—	—	—	1.49	1.49	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.36	1.58	< 0.005	0.05	—	0.05	0.05	—	0.05	—	273	273	0.01	< 0.005	—	274
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.2	45.2	< 0.005	< 0.005	—	45.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.94	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	189	189	< 0.005	0.01	0.60	192
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.29	125
Hauling	0.14	0.02	1.39	0.79	0.01	0.02	0.33	0.35	0.02	0.09	0.11	—	1,197	1,197	0.12	0.20	2.28	1,261

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.3	19.3	< 0.005	< 0.005	0.03	19.6
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.01	13.7
Hauling	0.02	< 0.005	0.16	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.11	138
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.24
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.16	2.16	< 0.005	< 0.005	< 0.005	2.26
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.7	21.7	< 0.005	< 0.005	0.02	22.9

3.3. Mob and Clearing (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	1.13	9.84	10.8	0.03	0.42	—	0.42	0.39	—	0.39	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	81.9	81.9	< 0.005	< 0.005	—	82.1
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.58	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	110	110	< 0.005	< 0.005	0.38	112
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	121	121	0.01	0.02	0.32	127
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.09	3.09	< 0.005	< 0.005	< 0.005	3.14

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.66	3.66	< 0.005	< 0.005	< 0.005	3.84
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	< 0.005	0.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	< 0.005	0.64
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Landscape Fence (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.96	3.85	0.01	0.05	—	0.05	0.04	—	0.04	—	612	612	0.02	< 0.005	—	614
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.8

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.78	2.78	< 0.005	< 0.005	—	2.79
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.54	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	108	108	< 0.005	< 0.005	0.34	110
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.29	125
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.79
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.26	3.26	< 0.005	< 0.005	< 0.005	3.42
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.46

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Backfill and Compact (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.88	< 0.005	0.04	—	0.04	0.03	—	0.03	—	289	289	0.01	< 0.005	—	289
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.96	1.96	< 0.005	< 0.005	—	1.97
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.40	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.2	81.2	< 0.005	< 0.005	0.26	82.3
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.29	125
Hauling	0.03	< 0.005	0.31	0.18	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	266	266	0.03	0.04	0.51	280
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.10	3.10	< 0.005	< 0.005	< 0.005	3.14
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.89	4.89	< 0.005	< 0.005	0.01	5.13
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	< 0.005	0.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.85
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.90

3.9. Site Drainage Improvements (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.49	4.19	0.01	0.07	—	0.07	0.06	—	0.06	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.49	4.19	0.01	0.07	—	0.07	0.06	—	0.06	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52.7	52.7	< 0.005	< 0.005	—	52.8

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.72	8.72	< 0.005	< 0.005	—	8.75
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.54	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	108	108	< 0.005	< 0.005	0.34	110
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.29	125
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	99.3	99.3	< 0.005	< 0.005	0.01	100
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.01	125
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.27	8.27	< 0.005	< 0.005	0.01	8.38
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.79	9.79	< 0.005	< 0.005	0.01	10.3

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.37	1.37	< 0.005	< 0.005	< 0.005	1.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.70
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.42	12.9	14.0	0.02	0.58	—	0.58	0.53	—	0.53	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.42	12.9	14.0	0.02	0.58	—	0.58	0.53	—	0.53	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.88	0.96	< 0.005	0.04	—	0.04	0.04	—	0.04	—	168	168	0.01	< 0.005	—	169
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.8	27.8	< 0.005	< 0.005	—	27.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.72	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	138	138	0.01	< 0.005	0.47	140
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	121	121	0.01	0.02	0.32	127
Hauling	0.10	0.01	0.96	0.55	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	815	815	0.08	0.13	1.66	857
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	127	127	< 0.005	< 0.005	0.01	12[illegible]

Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	121	121	0.01	0.02	0.01	127
Hauling	0.10	0.01	1.00	0.55	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	815	815	0.08	0.13	0.04	856
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.79	8.79	< 0.005	< 0.005	0.01	8.91
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.31	8.31	< 0.005	< 0.005	0.01	8.72
Hauling	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	55.8	55.8	0.01	0.01	0.05	58.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	< 0.005	1.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.44
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.24	9.24	< 0.005	< 0.005	0.01	9.71

3.13. Reservoir Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	1.29	10.9	12.4	0.02	0.39	—	0.39	0.36	—	0.36	—	2,314	2,314	0.09	0.02	—	2,322
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.24	0.20	1.67	1.89	< 0.005	0.06	—	0.06	0.06	—	0.06	—	353	353	0.01	< 0.005	—	354
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.5	58.5	< 0.005	< 0.005	—	58.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	127	127	< 0.005	< 0.005	0.01	128
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	121	121	0.01	0.02	0.01	127
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.6	19.6	< 0.005	< 0.005	0.03	19.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.5	18.5	< 0.005	< 0.005	0.02	19.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.24	3.24	< 0.005	< 0.005	0.01	3.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.07	3.07	< 0.005	< 0.005	< 0.005	3.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Reservoir Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.5	12.3	0.02	0.35	—	0.35	0.33	—	0.33	—	2,314	2,314	0.09	0.02	—	2,321
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.5	12.3	0.02	0.35	—	0.35	0.33	—	0.33	—	2,314	2,314	0.09	0.02	—	2,321
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.01	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	661	661	0.03	0.01	—	663
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	109	109	< 0.005	< 0.005	—	110

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.67	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	135	135	< 0.005	< 0.005	0.43	137
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.29	125
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.01	126
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.01	125
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.9	35.9	< 0.005	< 0.005	0.05	36.4
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.0	34.0	< 0.005	0.01	0.04	35.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.95	5.95	< 0.005	< 0.005	0.01	6.03
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.63	5.63	< 0.005	< 0.005	0.01	5.90
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.74	8.20	0.01	0.23	—	0.23	0.21	—	0.21	—	1,244	1,244	0.05	0.01	—	1,248
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.7
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.26	2.26	< 0.005	< 0.005	—	2.26
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.94	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	189	189	< 0.005	0.01	0.60	192

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.93	1.93	< 0.005	< 0.005	< 0.005	1.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.32
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	7.25	7.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.85	5.85	< 0.005	< 0.005	—	5.87
Architectural Coatings	0.32	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.97	0.97	< 0.005	< 0.005	—	0.97
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.27	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.1	54.1	< 0.005	< 0.005	0.17	54.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.21	2.21	< 0.005	< 0.005	< 0.005	2.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Yard Piping & Vaults (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.03	2.91	< 0.005	0.06	—	0.06	0.06	—	0.06	—	452	452	0.02	< 0.005	—	454
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.6	49.6	< 0.005	< 0.005	—	49.7

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.21	8.21	< 0.005	< 0.005	—	8.24
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	74.4	74.4	< 0.005	< 0.005	0.01	75.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.27	8.27	< 0.005	< 0.005	0.01	8.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.37	1.37	< 0.005	< 0.005	< 0.005	1.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	63.7	63.7	0.01	< 0.005	—	64.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	63.7	63.7	0.01	< 0.005	—	64.0

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.8	33.8	< 0.005	< 0.005	—	33.9
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.8	33.8	< 0.005	< 0.005	—	33.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18	0.17	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Total	0.71	0.70	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coating	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Total	0.12	0.12	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	14[illegible]

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demo Existing Tank	Demolition	6/16/2027	8/10/2027	5.00	40.0	—
Mob and Clearing	Site Preparation	8/26/2026	9/9/2026	5.00	11.0	—
Landscape Fence	Site Preparation	6/16/2027	6/29/2027	5.00	10.0	—
Backfill and Compact	Site Preparation	5/27/2027	6/16/2027	5.00	15.0	—
Site Drainage Improvements	Site Preparation	3/17/2027	4/27/2027	5.00	30.0	—
Grading	Grading	9/10/2026	10/14/2026	5.00	25.0	—
Reservoir Construction	Building Construction	10/15/2026	5/26/2027	5.00	160	—
Paving	Paving	6/17/2027	6/22/2027	5.00	4.00	—
Architectural Coating	Architectural Coating	6/17/2027	7/8/2027	5.00	16.0	—
Yard Piping & Vaults	Trenching	1/20/2027	3/16/2027	5.00	40.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demo Existing Tank	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demo Existing Tank	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demo Existing Tank	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Mob and Clearing	Graders	Diesel	Average	1.00	8.00	148	0.41
Mob and Clearing	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Mob and Clearing	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Landscape Fence	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37

Landscape Fence	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Backfill and Compact	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Backfill and Compact	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Site Drainage Improvements	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Site Drainage Improvements	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Drainage Improvements	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Reservoir Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Reservoir Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Reservoir Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Reservoir Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Reservoir Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Reservoir Construction	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56

Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Yard Piping & Vaults	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Yard Piping & Vaults	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demo Existing Tank	—	—	—	—
Demo Existing Tank	Worker	14.0	18.5	LDA,LDT1,LDT2
Demo Existing Tank	Vendor	4.00	10.2	HHDT,MHDT
Demo Existing Tank	Hauling	18.0	20.0	HHDT
Demo Existing Tank	Onsite truck	—	—	HHDT
Mob and Clearing	—	—	—	—
Mob and Clearing	Worker	8.00	18.5	LDA,LDT1,LDT2
Mob and Clearing	Vendor	4.00	10.2	HHDT,MHDT
Mob and Clearing	Hauling	0.00	20.0	HHDT
Mob and Clearing	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	4.00	10.2	HHDT,MHDT
Grading	Hauling	12.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	14.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	4.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Landscape Fence	—	—	—	—
Landscape Fence	Worker	8.00	18.5	LDA,LDT1,LDT2
Landscape Fence	Vendor	4.00	10.2	HHDT,MHDT
Landscape Fence	Hauling	0.00	20.0	HHDT
Landscape Fence	Onsite truck	—	—	HHDT
Reservoir Construction	—	—	—	—
Reservoir Construction	Worker	10.0	18.5	LDA,LDT1,LDT2
Reservoir Construction	Vendor	4.00	10.2	HHDT,MHDT
Reservoir Construction	Hauling	0.00	20.0	HHDT
Reservoir Construction	Onsite truck	—	—	HHDT
Yard Piping & Vaults	—	—	—	—
Yard Piping & Vaults	Worker	6.00	18.5	LDA,LDT1,LDT2
Yard Piping & Vaults	Vendor	0.00	10.2	HHDT,MHDT
Yard Piping & Vaults	Hauling	0.00	20.0	HHDT
Yard Piping & Vaults	Onsite truck	—	—	HHDT
Backfill and Compact	—	—	—	—
Backfill and Compact	Worker	6.00	18.5	LDA,LDT1,LDT2
Backfill and Compact	Vendor	4.00	10.2	HHDT,MHDT
Backfill and Compact	Hauling	4.00	20.0	HHDT
Backfill and Compact	Onsite truck	—	—	HHDT
Site Drainage Improvements	—	—	—	—
Site Drainage Improvements	Worker	8.00	18.5	LDA,LDT1,LDT2
Site Drainage Improvements	Vendor	4.00	10.2	HHDT,MHDT

Site Drainage Improvements	Hauling	0.00	20.0	HHDT
Site Drainage Improvements	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	23,760	1,249

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demo Existing Tank	0.00	0.00	0.00	4,290	—
Mob and Clearing	0.00	0.00	254	0.00	—
Landscape Fence	0.00	0.00	0.00	0.00	—
Backfill and Compact	472	0.00	0.00	0.00	—
Site Drainage Improvements	0.00	0.00	0.00	0.00	—
Grading	0.00	1,700	19.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.72

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Other Asphalt Surfaces	0.72	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	346	0.03	< 0.005
2027	0.00	346	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	0.00	0.00	310	16,164	0.00	0.00	3,535	184,334
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	0.00	23,760	1,249

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	405,495	346	0.0330	0.0040	637,569
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	14,337,500	100,273
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	76.9	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.8	annual days of extreme heat
Extreme Precipitation	4.05	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	78.0
AQ-PM	94.3
AQ-DPM	32.5
Drinking Water	99.4
Lead Risk Housing	27.8
Pesticides	61.9
Toxic Releases	61.8
Traffic	19.0
Effect Indicators	—

CleanUp Sites	80.3
Groundwater	0.00
Haz Waste Facilities/Generators	75.5
Impaired Water Bodies	0.00
Solid Waste	12.9
Sensitive Population	—
Asthma	36.7
Cardio-vascular	61.7
Low Birth Weights	74.4
Socioeconomic Factor Indicators	—
Education	61.4
Housing	67.7
Linguistic	66.9
Poverty	55.9
Unemployment	55.0

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	56.64057487
Employed	51.27678686
Median HI	43.05145644
Education	—
Bachelor's or higher	41.07532401
High school enrollment	100
Preschool enrollment	27.08841268
Transportation	—

Auto Access	31.75927114
Active commuting	51.70024381
Social	—
2-parent households	73.77133325
Voting	67.35531888
Neighborhood	—
Alcohol availability	46.10547928
Park access	39.88194534
Retail density	44.86077249
Supermarket access	69.48543565
Tree canopy	16.91261388
Housing	—
Homeownership	31.64378288
Housing habitability	25.5357372
Low-inc homeowner severe housing cost burden	79.81521879
Low-inc renter severe housing cost burden	48.10727576
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	56.08879764
Arthritis	18.8
Asthma ER Admissions	54.5
High Blood Pressure	25.9
Cancer (excluding skin)	24.3
Asthma	49.0
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	37.6
Diagnosed Diabetes	35.6
Life Expectancy at Birth	18.1

300

Cognitively Disabled	41.3
Physically Disabled	55.6
Heart Attack ER Admissions	23.4
Mental Health Not Good	53.9
Chronic Kidney Disease	20.1
Obesity	49.6
Pedestrian Injuries	49.7
Physical Health Not Good	44.3
Stroke	26.0
Health Risk Behaviors	—
Binge Drinking	55.6
Current Smoker	58.7
No Leisure Time for Physical Activity	49.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	81.0
Elderly	19.6
English Speaking	79.3
Foreign-born	57.1
Outdoor Workers	38.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	75.9
Traffic Density	25.7
Traffic Access	23.0
Other Indices	—
Hardship	52.9
Other Decision Support	—

2016 Voting	67.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	73.0
Healthy Places Index Score for Project Location (b)	46.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Building area set equal to the new tank area. Other asphalt surface includes new asphalt road within the project site.
Construction: Construction Phases	Based on project specific construction schedule.
Construction: Off-Road Equipment	Trenching equipment added for vault and piping construction.
Construction: Trips and VMT	Trips rounded up to the nearest even number to account for both arrival and departure trips.
Construction: Architectural Coatings	Coatings for exterior of new tank only.
Operations: Vehicle Data	No change in facility operations, therefore tips set equal to zero.

Operations: Architectural Coatings	Based on tank external area.
Construction: Dust From Material Movement	Project specific data.

Benson Reservoir MND LST Update Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Benson Reservoir MND LST Update
Construction Start Date	8/26/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	9.20
Location	34.03872102266128, -117.68224293410923
County	San Bernardino-South Coast
City	Chino
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5216
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	62.0	1000sqft	1.42	23,235	6,244	0.00	—	Building SF set equal to tank [illegible]

Other Asphalt Surfaces	31.4	1000sqft	0.72	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.6	10.1	21.3	28.2	0.04	0.77	2.77	3.35	0.71	1.34	1.87	—	4,550	4,550	0.21	0.05	0.05	4,570
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.83	1.53	13.1	16.8	0.03	0.58	2.77	3.35	0.53	1.34	1.87	—	2,972	2,972	0.13	0.03	< 0.005	2,984
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.03	0.91	5.05	6.20	0.01	0.17	0.21	0.34	0.16	0.09	0.20	—	1,095	1,095	0.05	0.01	< 0.005	1,099
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.17	0.92	1.13	< 0.005	0.03	0.04	0.06	0.03	0.02	0.04	—	181	181	0.01	< 0.005	< 0.005	182

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.76	1.47	13.1	14.3	0.03	0.58	2.77	3.35	0.53	1.34	1.87	—	2,725	2,725	0.12	0.03	0.03	2,735
2027	10.6	10.1	21.3	28.2	0.04	0.77	1.50	2.26	0.71	0.23	0.93	—	4,550	4,550	0.21	0.05	0.05	4,570
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.75	1.46	13.1	14.3	0.02	0.58	2.77	3.35	0.53	1.34	1.87	—	2,493	2,493	0.12	0.03	< 0.005	2,504
2027	1.83	1.53	13.1	16.8	0.03	0.42	< 0.005	0.43	0.39	< 0.005	0.39	—	2,972	2,972	0.13	0.03	< 0.005	2,984
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.40	0.34	2.87	3.22	0.01	0.11	0.21	0.32	0.10	0.09	0.20	—	607	607	0.03	0.01	< 0.005	610
2027	1.03	0.91	5.05	6.20	0.01	0.17	0.16	0.34	0.16	0.03	0.18	—	1,095	1,095	0.05	0.01	< 0.005	1,099
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07	0.06	0.52	0.59	< 0.005	0.02	0.04	0.06	0.02	0.02	0.04	—	101	101	< 0.005	< 0.005	< 0.005	101
2027	0.19	0.17	0.92	1.13	< 0.005	0.03	0.03	0.06	0.03	< 0.005	0.03	—	181	181	0.01	< 0.005	< 0.005	182

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.02	1.87	1.29	12.1	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,577	3,646	7.15	0.20	15.0	3,900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.76	1.63	1.37	9.22	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,393	3,462	7.15	0.20	6.28	3,708
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.85	0.81	0.35	2.18	< 0.005	0.02	0.36	0.37	0.02	0.09	0.11	68.9	1,076	1,145	7.04	0.09	6.60	1,355
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.15	0.06	0.40	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	11.4	178	190	1.17	0.02	1.09	224

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Area	0.71	0.70	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	2.02	1.87	1.29	12.1	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,577	3,646	7.15	0.20	15.0	3,900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Area	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	1.76	1.63	1.37	9.22	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,393	3,462	7.15	0.20	6.28	3,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.17	0.15	0.17	1.34	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	391	391	0.02	0.02	0.55	398
Area	0.65	0.65	0.01	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.85	2.85	< 0.005	< 0.005	—	2.86
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	0.85	0.81	0.35	2.18	< 0.005	0.02	0.36	0.37	0.02	0.09	0.11	68.9	1,076	1,145	7.04	0.09	6.60	1,355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9
Area	0.12	0.12	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Energy	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	97.5	97.5	0.01	< 0.005	—	98.0
Water	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0
Waste	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Total	0.15	0.15	0.06	0.40	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	11.4	178	190	1.17	0.02	1.09	224

3. Construction Emissions Details

3.1. Demo Existing Tank (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	12.4	14.4	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502

Demolition	—	—	—	—	—	—	1.49	1.49	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.36	1.58	< 0.005	0.05	—	0.05	0.05	—	0.05	—	273	273	0.01	< 0.005	—	274
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.2	45.2	< 0.005	< 0.005	—	45.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.28	4.28	< 0.005	< 0.005	0.01	4.63
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.03	0.01	0.25	0.21	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	41.8	41.8	0.02	0.01	0.02	44.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.50
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.60	4.60	< 0.005	< 0.005	< 0.005	4.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.81

3.3. Mob and Clearing (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	1.13	9.84	10.8	0.03	0.42	—	0.42	0.39	—	0.39	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	81.9	81.9	< 0.005	< 0.005	—	82.1
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	< 0.005	2.71
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	0.01	6.85
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.0

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Landscape Fence (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.96	3.85	0.01	0.05	—	0.05	0.04	—	0.04	—	612	612	0.02	< 0.005	—	614
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.8

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.78	2.78	< 0.005	< 0.005	—	2.79
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.65
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Backfill and Compact (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.88	< 0.005	0.04	—	0.04	0.03	—	0.03	—	289	289	0.01	< 0.005	—	289
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.96	1.96	< 0.005	< 0.005	—	1.97
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.83	1.83	< 0.005	< 0.005	< 0.005	1.99
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.29	9.29	< 0.005	< 0.005	< 0.005	9.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.28
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.41
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.05
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07

3.9. Site Drainage Improvements (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.49	4.19	0.01	0.07	—	0.07	0.06	—	0.06	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.49	4.19	0.01	0.07	—	0.07	0.06	—	0.06	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52.7	52.7	< 0.005	< 0.005	—	52.8

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.72	8.72	< 0.005	< 0.005	—	8.75
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.65
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	< 0.005	2.58
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.45	6.45	< 0.005	< 0.005	< 0.005	6.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.56

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.42	12.9	14.0	0.02	0.58	—	0.58	0.53	—	0.53	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.42	12.9	14.0	0.02	0.58	—	0.58	0.53	—	0.53	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.88	0.96	< 0.005	0.04	—	0.04	0.04	—	0.04	—	168	168	0.01	< 0.005	—	169
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.8	27.8	< 0.005	< 0.005	—	27.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.12	3.12	< 0.005	< 0.005	< 0.005	3.38
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	0.01	6.85
Hauling	0.02	0.01	0.17	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	28.3	28.3	0.01	< 0.005	0.02	30.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.04	3.04	< 0.005	< 0.005	< 0.005	3.[illegible]

Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.54	6.54	< 0.005	< 0.005	< 0.005	6.91
Hauling	0.02	0.01	0.18	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	28.6	28.6	0.01	< 0.005	< 0.005	30.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.23
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.95	1.95	< 0.005	< 0.005	< 0.005	2.07
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.34

3.13. Reservoir Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	1.29	10.9	12.4	0.02	0.39	—	0.39	0.36	—	0.36	—	2,314	2,314	0.09	0.02	—	2,322
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.24	0.20	1.67	1.89	< 0.005	0.06	—	0.06	0.06	—	0.06	—	353	353	0.01	< 0.005	—	354
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.5	58.5	< 0.005	< 0.005	—	58.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.04	3.04	< 0.005	< 0.005	< 0.005	3.36
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.54	6.54	< 0.005	< 0.005	< 0.005	6.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.52
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.99	0.99	< 0.005	< 0.005	< 0.005	1.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.17
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Reservoir Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.5	12.3	0.02	0.35	—	0.35	0.33	—	0.33	—	2,314	2,314	0.09	0.02	—	2,321
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.5	12.3	0.02	0.35	—	0.35	0.33	—	0.33	—	2,314	2,314	0.09	0.02	—	2,321
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.01	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	661	661	0.03	0.01	—	663
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	109	109	< 0.005	< 0.005	—	110

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.06	3.06	< 0.005	< 0.005	< 0.005	3.31
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.09	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	< 0.005	3.22
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.45	6.45	< 0.005	< 0.005	< 0.005	6.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.93
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.83	1.83	< 0.005	< 0.005	< 0.005	1.93
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.74	8.20	0.01	0.23	—	0.23	0.21	—	0.21	—	1,244	1,244	0.05	0.01	—	1,248
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.7
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.26	2.26	< 0.005	< 0.005	—	2.26
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.28	4.28	< 0.005	< 0.005	0.01	4.63

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	7.25	7.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.85	5.85	< 0.005	< 0.005	—	5.87
Architectural Coatings	0.32	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.97	0.97	< 0.005	< 0.005	—	0.97
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.22	1.22	< 0.005	< 0.005	< 0.005	1.32
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Yard Piping & Vaults (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.03	2.91	< 0.005	0.06	—	0.06	0.06	—	0.06	—	452	452	0.02	< 0.005	—	454
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.6	49.6	< 0.005	< 0.005	—	49.7

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.21	8.21	< 0.005	< 0.005	—	8.24
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	63.7	63.7	0.01	< 0.005	—	64.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	63.7	63.7	0.01	< 0.005	—	64.0

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.8	33.8	< 0.005	< 0.005	—	33.9
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.8	33.8	< 0.005	< 0.005	—	33.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18	0.17	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Total	0.71	0.70	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coating	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Total	0.12	0.12	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	14[illegible]

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demo Existing Tank	Demolition	6/16/2027	8/10/2027	5.00	40.0	—
Mob and Clearing	Site Preparation	8/26/2026	9/9/2026	5.00	11.0	—
Landscape Fence	Site Preparation	6/16/2027	6/29/2027	5.00	10.0	—
Backfill and Compact	Site Preparation	5/27/2027	6/16/2027	5.00	15.0	—
Site Drainage Improvements	Site Preparation	3/17/2027	4/27/2027	5.00	30.0	—
Grading	Grading	9/10/2026	10/14/2026	5.00	25.0	—
Reservoir Construction	Building Construction	10/15/2026	5/26/2027	5.00	160	—
Paving	Paving	6/17/2027	6/22/2027	5.00	4.00	—
Architectural Coating	Architectural Coating	6/17/2027	7/8/2027	5.00	16.0	—
Yard Piping & Vaults	Trenching	1/20/2027	3/16/2027	5.00	40.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demo Existing Tank	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demo Existing Tank	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demo Existing Tank	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Mob and Clearing	Graders	Diesel	Average	1.00	8.00	148	0.41
Mob and Clearing	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Mob and Clearing	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Landscape Fence	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37

Landscape Fence	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Backfill and Compact	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Backfill and Compact	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Site Drainage Improvements	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Site Drainage Improvements	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Drainage Improvements	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Reservoir Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Reservoir Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Reservoir Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Reservoir Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Reservoir Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Reservoir Construction	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56

Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Yard Piping & Vaults	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Yard Piping & Vaults	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demo Existing Tank	—	—	—	—
Demo Existing Tank	Worker	14.0	0.19	LDA,LDT1,LDT2
Demo Existing Tank	Vendor	4.00	0.19	HHDT,MHDT
Demo Existing Tank	Hauling	18.0	0.19	HHDT
Demo Existing Tank	Onsite truck	—	—	HHDT
Mob and Clearing	—	—	—	—
Mob and Clearing	Worker	8.00	0.19	LDA,LDT1,LDT2
Mob and Clearing	Vendor	4.00	0.19	HHDT,MHDT
Mob and Clearing	Hauling	0.00	0.19	HHDT
Mob and Clearing	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	0.19	LDA,LDT1,LDT2
Grading	Vendor	4.00	0.19	HHDT,MHDT
Grading	Hauling	12.0	0.19	HHDT
Grading	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	14.0	0.19	LDA,LDT1,LDT2
Paving	Vendor	0.00	0.19	HHDT,MHDT
Paving	Hauling	0.00	0.19	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	4.00	0.19	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.19	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.19	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Landscape Fence	—	—	—	—
Landscape Fence	Worker	8.00	0.19	LDA,LDT1,LDT2
Landscape Fence	Vendor	4.00	0.19	HHDT,MHDT
Landscape Fence	Hauling	0.00	0.19	HHDT
Landscape Fence	Onsite truck	—	—	HHDT
Reservoir Construction	—	—	—	—
Reservoir Construction	Worker	10.0	0.19	LDA,LDT1,LDT2
Reservoir Construction	Vendor	4.00	0.19	HHDT,MHDT
Reservoir Construction	Hauling	0.00	0.19	HHDT
Reservoir Construction	Onsite truck	—	—	HHDT
Yard Piping & Vaults	—	—	—	—
Yard Piping & Vaults	Worker	6.00	0.19	LDA,LDT1,LDT2
Yard Piping & Vaults	Vendor	0.00	0.19	HHDT,MHDT
Yard Piping & Vaults	Hauling	0.00	0.19	HHDT
Yard Piping & Vaults	Onsite truck	—	—	HHDT
Backfill and Compact	—	—	—	—
Backfill and Compact	Worker	6.00	0.19	LDA,LDT1,LDT2
Backfill and Compact	Vendor	4.00	0.19	HHDT,MHDT
Backfill and Compact	Hauling	4.00	0.19	HHDT
Backfill and Compact	Onsite truck	—	—	HHDT
Site Drainage Improvements	—	—	—	—
Site Drainage Improvements	Worker	8.00	0.19	LDA,LDT1,LDT2
Site Drainage Improvements	Vendor	4.00	0.19	HHDT,MHDT

Site Drainage Improvements	Hauling	0.00	0.19	HHDT
Site Drainage Improvements	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	23,760	1,249

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demo Existing Tank	0.00	0.00	0.00	4,290	—
Mob and Clearing	0.00	0.00	254	0.00	—
Landscape Fence	0.00	0.00	0.00	0.00	—
Backfill and Compact	472	0.00	0.00	0.00	—
Site Drainage Improvements	0.00	0.00	0.00	0.00	—
Grading	0.00	1,700	19.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.72

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Other Asphalt Surfaces	0.72	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	346	0.03	< 0.005
2027	0.00	346	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	0.00	0.00	310	16,164	0.00	0.00	3,535	184,334
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	0.00	23,760	1,249

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	405,495	346	0.0330	0.0040	637,569
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	14,337,500	100,273
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	76.9	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.8	annual days of extreme heat
Extreme Precipitation	4.05	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	78.0
AQ-PM	94.3
AQ-DPM	32.5
Drinking Water	99.4
Lead Risk Housing	27.8
Pesticides	61.9
Toxic Releases	61.8
Traffic	19.0
Effect Indicators	—

CleanUp Sites	80.3
Groundwater	0.00
Haz Waste Facilities/Generators	75.5
Impaired Water Bodies	0.00
Solid Waste	12.9
Sensitive Population	—
Asthma	36.7
Cardio-vascular	61.7
Low Birth Weights	74.4
Socioeconomic Factor Indicators	—
Education	61.4
Housing	67.7
Linguistic	66.9
Poverty	55.9
Unemployment	55.0

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	56.64057487
Employed	51.27678686
Median HI	43.05145644
Education	—
Bachelor's or higher	41.07532401
High school enrollment	100
Preschool enrollment	27.08841268
Transportation	—

Auto Access	31.75927114
Active commuting	51.70024381
Social	—
2-parent households	73.77133325
Voting	67.35531888
Neighborhood	—
Alcohol availability	46.10547928
Park access	39.88194534
Retail density	44.86077249
Supermarket access	69.48543565
Tree canopy	16.91261388
Housing	—
Homeownership	31.64378288
Housing habitability	25.5357372
Low-inc homeowner severe housing cost burden	79.81521879
Low-inc renter severe housing cost burden	48.10727576
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	56.08879764
Arthritis	18.8
Asthma ER Admissions	54.5
High Blood Pressure	25.9
Cancer (excluding skin)	24.3
Asthma	49.0
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	37.6
Diagnosed Diabetes	35.6
Life Expectancy at Birth	18.1

Cognitively Disabled	41.3
Physically Disabled	55.6
Heart Attack ER Admissions	23.4
Mental Health Not Good	53.9
Chronic Kidney Disease	20.1
Obesity	49.6
Pedestrian Injuries	49.7
Physical Health Not Good	44.3
Stroke	26.0
Health Risk Behaviors	—
Binge Drinking	55.6
Current Smoker	58.7
No Leisure Time for Physical Activity	49.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	81.0
Elderly	19.6
English Speaking	79.3
Foreign-born	57.1
Outdoor Workers	38.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	75.9
Traffic Density	25.7
Traffic Access	23.0
Other Indices	—
Hardship	52.9
Other Decision Support	—

2016 Voting	67.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	73.0
Healthy Places Index Score for Project Location (b)	46.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Building area set equal to the new tank area. Other asphalt surface includes new asphalt road within the project site.
Construction: Construction Phases	Based on project specific construction schedule.
Construction: Off-Road Equipment	Trenching equipment added for vault and piping construction.
Construction: Trips and VMT	Trips rounded up to the nearest even number to account for both arrival and departure trips. Trips set equal to 1,000 feet for onsite travel only for LST analysis.
Construction: Architectural Coatings	Coatings for exterior of new tank only.

Operations: Vehicle Data	No change in facility operations, therefore tips set equal to zero.
Operations: Architectural Coatings	Based on tank external area.
Construction: Dust From Material Movement	Project specific data.

Benson Reservoir MND HRA Update Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Benson Reservoir MND HRA Update
Construction Start Date	8/26/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	9.20
Location	34.03872102266128, -117.68224293410923
County	San Bernardino-South Coast
City	Chino
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5216
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	62.0	1000sqft	1.42	23,235	6,244	0.00	—	Building SF set equal to tank SF

Other Asphalt Surfaces	31.4	1000sqft	0.72	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.6	10.1	21.3	28.2	0.04	0.77	2.77	3.35	0.71	1.34	1.87	—	4,545	4,545	0.21	0.05	0.04	4,564
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.83	1.53	13.1	16.8	0.03	0.58	2.77	3.35	0.53	1.34	1.87	—	2,970	2,970	0.13	0.03	< 0.005	2,982
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.03	0.91	5.05	6.19	0.01	0.17	0.21	0.34	0.16	0.09	0.20	—	1,094	1,094	0.05	0.01	< 0.005	1,099
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.17	0.92	1.13	< 0.005	0.03	0.04	0.06	0.03	0.02	0.04	—	181	181	0.01	< 0.005	< 0.005	182

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.76	1.47	13.1	14.3	0.03	0.58	2.77	3.35	0.53	1.34	1.87	—	2,724	2,724	0.12	0.03	0.02	2,734
2027	10.6	10.1	21.3	28.2	0.04	0.77	1.49	2.26	0.71	0.23	0.93	—	4,545	4,545	0.21	0.05	0.04	4,564
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.75	1.46	13.1	14.3	0.02	0.58	2.77	3.35	0.53	1.34	1.87	—	2,492	2,492	0.12	0.03	< 0.005	2,503
2027	1.83	1.53	13.1	16.8	0.03	0.42	< 0.005	0.42	0.39	< 0.005	0.39	—	2,970	2,970	0.13	0.03	< 0.005	2,982
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.40	0.34	2.87	3.22	0.01	0.11	0.21	0.32	0.10	0.09	0.20	—	607	607	0.03	0.01	< 0.005	610
2027	1.03	0.91	5.05	6.19	0.01	0.17	0.16	0.34	0.16	0.02	0.18	—	1,094	1,094	0.05	0.01	< 0.005	1,099
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07	0.06	0.52	0.59	< 0.005	0.02	0.04	0.06	0.02	0.02	0.04	—	101	101	< 0.005	< 0.005	< 0.005	101
2027	0.19	0.17	0.92	1.13	< 0.005	0.03	0.03	0.06	0.03	< 0.005	0.03	—	181	181	0.01	< 0.005	< 0.005	182

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.02	1.87	1.29	12.1	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,577	3,646	7.15	0.20	15.0	3,900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.76	1.63	1.37	9.22	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,393	3,462	7.15	0.20	6.28	3,708
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.85	0.81	0.35	2.18	< 0.005	0.02	0.36	0.37	0.02	0.09	0.11	68.9	1,076	1,145	7.04	0.09	6.60	1,355
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.15	0.06	0.40	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	11.4	178	190	1.17	0.02	1.09	224

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Area	0.71	0.70	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	2.02	1.87	1.29	12.1	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,577	3,646	7.15	0.20	15.0	3,900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Area	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	1.76	1.63	1.37	9.22	0.03	0.03	2.51	2.54	0.03	0.64	0.67	68.9	3,393	3,462	7.15	0.20	6.28	3,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.17	0.15	0.17	1.34	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	391	391	0.02	0.02	0.55	398
Area	0.65	0.65	0.01	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.85	2.85	< 0.005	< 0.005	—	2.86
Energy	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	589	589	0.05	< 0.005	—	592
Water	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Waste	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	0.85	0.81	0.35	2.18	< 0.005	0.02	0.36	0.37	0.02	0.09	0.11	68.9	1,076	1,145	7.04	0.09	6.60	1,355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9
Area	0.12	0.12	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Energy	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	97.5	97.5	0.01	< 0.005	—	98.0
Water	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0
Waste	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Total	0.15	0.15	0.06	0.40	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	11.4	178	190	1.17	0.02	1.09	224

3. Construction Emissions Details

3.1. Demo Existing Tank (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	12.4	14.4	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502

Demolition	—	—	—	—	—	—	1.49	1.49	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.36	1.58	< 0.005	0.05	—	0.05	0.05	—	0.05	—	273	273	0.01	< 0.005	—	274
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.2	45.2	< 0.005	< 0.005	—	45.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	2.36	2.36	< 0.005	< 0.005	0.00	2.69
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.03	0.01	0.25	0.21	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	41.8	41.8	0.02	0.01	0.02	44.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.26	0.26	< 0.005	< 0.005	0.00	0.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.60	4.60	< 0.005	< 0.005	< 0.005	4.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.04	0.04	< 0.005	< 0.005	0.00	0.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.81

3.3. Mob and Clearing (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	1.13	9.84	10.8	0.03	0.42	—	0.42	0.39	—	0.39	—	2,716	2,716	0.11	0.02	—	2,725
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	81.9	81.9	< 0.005	< 0.005	—	82.1
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.38	1.38	< 0.005	< 0.005	0.00	1.57
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	0.01	6.85
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.04	0.04	< 0.005	< 0.005	0.00	0.0[illegible]

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.01	0.01	< 0.005	< 0.005	0.00	0.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Landscape Fence (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.96	3.85	0.01	0.05	—	0.05	0.04	—	0.04	—	612	612	0.02	< 0.005	—	614
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.8

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.78	2.78	< 0.005	< 0.005	—	2.79
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.35	1.35	< 0.005	< 0.005	0.00	1.54
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.04	0.04	< 0.005	< 0.005	0.00	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.01	0.01	< 0.005	< 0.005	0.00	0.01

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Backfill and Compact (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.88	< 0.005	0.04	—	0.04	0.03	—	0.03	—	289	289	0.01	< 0.005	—	289
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.96	1.96	< 0.005	< 0.005	—	1.97
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.01	1.01	< 0.005	< 0.005	0.00	1.15
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.29	9.29	< 0.005	< 0.005	< 0.005	9.87
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.04	0.04	< 0.005	< 0.005	0.00	0.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.28
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.41
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.01	0.01	< 0.005	< 0.005	0.00	0.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.05
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07

3.9. Site Drainage Improvements (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.49	4.19	0.01	0.07	—	0.07	0.06	—	0.06	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.49	4.19	0.01	0.07	—	0.07	0.06	—	0.06	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52.7	52.7	< 0.005	< 0.005	—	52.8

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.72	8.72	< 0.005	< 0.005	—	8.75
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.35	1.35	< 0.005	< 0.005	0.00	1.54
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.37	1.37	< 0.005	< 0.005	0.00	1.56
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.45	6.45	< 0.005	< 0.005	< 0.005	6.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.11	0.11	< 0.005	< 0.005	0.00	0.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.56

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.02	0.02	< 0.005	< 0.005	0.00	0.02
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.42	12.9	14.0	0.02	0.58	—	0.58	0.53	—	0.53	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.42	12.9	14.0	0.02	0.58	—	0.58	0.53	—	0.53	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.88	0.96	< 0.005	0.04	—	0.04	0.04	—	0.04	—	168	168	0.01	< 0.005	—	169
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.8	27.8	< 0.005	< 0.005	—	27.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.72	1.72	< 0.005	< 0.005	0.00	1.97
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	0.01	6.85
Hauling	0.02	0.01	0.17	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	28.3	28.3	0.01	< 0.005	0.02	30.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.75	1.75	< 0.005	< 0.005	0.00	2.07

Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.54	6.54	< 0.005	< 0.005	< 0.005	6.91
Hauling	0.02	0.01	0.18	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	28.6	28.6	0.01	< 0.005	< 0.005	30.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.12	0.12	< 0.005	< 0.005	0.00	0.14
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.95	1.95	< 0.005	< 0.005	< 0.005	2.07
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.02	0.02	< 0.005	< 0.005	0.00	0.02
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.34

3.13. Reservoir Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	1.29	10.9	12.4	0.02	0.39	—	0.39	0.36	—	0.36	—	2,314	2,314	0.09	0.02	—	2,322
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.24	0.20	1.67	1.89	< 0.005	0.06	—	0.06	0.06	—	0.06	—	353	353	0.01	< 0.005	—	354
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.5	58.5	< 0.005	< 0.005	—	58.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.75	1.75	< 0.005	< 0.005	0.00	2.07
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.54	6.54	< 0.005	< 0.005	< 0.005	6.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.27	0.27	< 0.005	< 0.005	0.00	0.32
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.99	0.99	< 0.005	< 0.005	< 0.005	1.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.04	0.04	< 0.005	< 0.005	0.00	0.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.17
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Reservoir Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.5	12.3	0.02	0.35	—	0.35	0.33	—	0.33	—	2,314	2,314	0.09	0.02	—	2,321
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.5	12.3	0.02	0.35	—	0.35	0.33	—	0.33	—	2,314	2,314	0.09	0.02	—	2,321
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.01	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	661	661	0.03	0.01	—	663
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	109	109	< 0.005	< 0.005	—	110

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.69	1.69	< 0.005	< 0.005	0.00	1.92
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	0.01	6.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.71	1.71	< 0.005	< 0.005	0.00	1.95
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.45	6.45	< 0.005	< 0.005	< 0.005	6.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.49	0.49	< 0.005	< 0.005	0.00	0.56
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.83	1.83	< 0.005	< 0.005	< 0.005	1.93
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.08	0.08	< 0.005	< 0.005	0.00	0.09
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.74	8.20	0.01	0.23	—	0.23	0.21	—	0.21	—	1,244	1,244	0.05	0.01	—	1,248
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.7
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.26	2.26	< 0.005	< 0.005	—	2.26
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	2.36	2.36	< 0.005	< 0.005	0.00	2.69

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	0.00	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	7.25	7.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.85	5.85	< 0.005	< 0.005	—	5.87
Architectural Coatings	0.32	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.97	0.97	< 0.005	< 0.005	—	0.97
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.67	0.67	< 0.005	< 0.005	0.00	0.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	0.00	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Yard Piping & Vaults (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.03	2.91	< 0.005	0.06	—	0.06	0.06	—	0.06	—	452	452	0.02	< 0.005	—	454
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.6	49.6	< 0.005	< 0.005	—	49.7

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.21	8.21	< 0.005	< 0.005	—	8.24
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	1.03	1.03	< 0.005	< 0.005	0.00	1.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.11	0.11	< 0.005	< 0.005	0.00	0.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.02	0.02	< 0.005	< 0.005	0.00	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.29	1.16	1.11	10.9	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,891	2,891	0.12	0.13	8.98	2,941
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.21	1.09	1.20	9.07	0.03	0.02	2.51	2.53	0.02	0.64	0.65	—	2,711	2,711	0.13	0.13	0.23	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.03	0.03	0.03	0.25	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	0.09	65.9

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	63.7	63.7	0.01	< 0.005	—	64.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	63.7	63.7	0.01	< 0.005	—	64.0

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	204	204	0.02	< 0.005	—	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.8	33.8	< 0.005	< 0.005	—	33.9
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.8	33.8	< 0.005	< 0.005	—	33.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18	0.17	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Total	0.71	0.70	0.01	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.16	4.16	< 0.005	< 0.005	—	4.17
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coating	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Total	0.12	0.12	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.5	93.1	121	2.83	0.07	—	211

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.55	15.4	20.0	0.47	0.01	—	35.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	145
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	41.4	0.00	41.4	4.14	0.00	—	14[illegible]

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.86	0.00	6.86	0.69	0.00	—	24.0

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.05	6.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demo Existing Tank	Demolition	6/16/2027	8/10/2027	5.00	40.0	—
Mob and Clearing	Site Preparation	8/26/2026	9/9/2026	5.00	11.0	—
Landscape Fence	Site Preparation	6/16/2027	6/29/2027	5.00	10.0	—
Backfill and Compact	Site Preparation	5/27/2027	6/16/2027	5.00	15.0	—
Site Drainage Improvements	Site Preparation	3/17/2027	4/27/2027	5.00	30.0	—
Grading	Grading	9/10/2026	10/14/2026	5.00	25.0	—
Reservoir Construction	Building Construction	10/15/2026	5/26/2027	5.00	160	—
Paving	Paving	6/17/2027	6/22/2027	5.00	4.00	—
Architectural Coating	Architectural Coating	6/17/2027	7/8/2027	5.00	16.0	—
Yard Piping & Vaults	Trenching	1/20/2027	3/16/2027	5.00	40.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demo Existing Tank	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demo Existing Tank	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demo Existing Tank	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Mob and Clearing	Graders	Diesel	Average	1.00	8.00	148	0.41
Mob and Clearing	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Mob and Clearing	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Landscape Fence	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37

Landscape Fence	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Backfill and Compact	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Backfill and Compact	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Site Drainage Improvements	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Site Drainage Improvements	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Drainage Improvements	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Reservoir Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Reservoir Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Reservoir Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Reservoir Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Reservoir Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Reservoir Construction	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56

Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Yard Piping & Vaults	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Yard Piping & Vaults	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demo Existing Tank	—	—	—	—
Demo Existing Tank	Worker	14.0	0.00	LDA,LDT1,LDT2
Demo Existing Tank	Vendor	4.00	0.19	HHDT,MHDT
Demo Existing Tank	Hauling	18.0	0.19	HHDT
Demo Existing Tank	Onsite truck	—	—	HHDT
Mob and Clearing	—	—	—	—
Mob and Clearing	Worker	8.00	0.00	LDA,LDT1,LDT2
Mob and Clearing	Vendor	4.00	0.19	HHDT,MHDT
Mob and Clearing	Hauling	0.00	0.19	HHDT
Mob and Clearing	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	0.00	LDA,LDT1,LDT2
Grading	Vendor	4.00	0.19	HHDT,MHDT
Grading	Hauling	12.0	0.19	HHDT
Grading	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	14.0	0.00	LDA,LDT1,LDT2
Paving	Vendor	0.00	0.19	HHDT,MHDT
Paving	Hauling	0.00	0.19	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	4.00	0.00	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.19	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.19	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Landscape Fence	—	—	—	—
Landscape Fence	Worker	8.00	0.00	LDA,LDT1,LDT2
Landscape Fence	Vendor	4.00	0.19	HHDT,MHDT
Landscape Fence	Hauling	0.00	0.19	HHDT
Landscape Fence	Onsite truck	—	—	HHDT
Reservoir Construction	—	—	—	—
Reservoir Construction	Worker	10.0	0.00	LDA,LDT1,LDT2
Reservoir Construction	Vendor	4.00	0.19	HHDT,MHDT
Reservoir Construction	Hauling	0.00	0.19	HHDT
Reservoir Construction	Onsite truck	—	—	HHDT
Yard Piping & Vaults	—	—	—	—
Yard Piping & Vaults	Worker	6.00	0.00	LDA,LDT1,LDT2
Yard Piping & Vaults	Vendor	0.00	0.19	HHDT,MHDT
Yard Piping & Vaults	Hauling	0.00	0.19	HHDT
Yard Piping & Vaults	Onsite truck	—	—	HHDT
Backfill and Compact	—	—	—	—
Backfill and Compact	Worker	6.00	0.00	LDA,LDT1,LDT2
Backfill and Compact	Vendor	4.00	0.19	HHDT,MHDT
Backfill and Compact	Hauling	4.00	0.19	HHDT
Backfill and Compact	Onsite truck	—	—	HHDT
Site Drainage Improvements	—	—	—	—
Site Drainage Improvements	Worker	8.00	0.00	LDA,LDT1,LDT2
Site Drainage Improvements	Vendor	4.00	0.19	HHDT,MHDT

Site Drainage Improvements	Hauling	0.00	0.19	HHDT
Site Drainage Improvements	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	23,760	1,249

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demo Existing Tank	0.00	0.00	0.00	4,290	—
Mob and Clearing	0.00	0.00	254	0.00	—
Landscape Fence	0.00	0.00	0.00	0.00	—
Backfill and Compact	472	0.00	0.00	0.00	—
Site Drainage Improvements	0.00	0.00	0.00	0.00	—
Grading	0.00	1,700	19.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.72

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Other Asphalt Surfaces	0.72	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	346	0.03	< 0.005
2027	0.00	346	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	0.00	0.00	310	16,164	0.00	0.00	3,535	184,334
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	0.00	23,760	1,249

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	405,495	346	0.0330	0.0040	637,569
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	14,337,500	100,273
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	76.9	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.8	annual days of extreme heat
Extreme Precipitation	4.05	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	78.0
AQ-PM	94.3
AQ-DPM	32.5
Drinking Water	99.4
Lead Risk Housing	27.8
Pesticides	61.9
Toxic Releases	61.8
Traffic	19.0
Effect Indicators	—

CleanUp Sites	80.3
Groundwater	0.00
Haz Waste Facilities/Generators	75.5
Impaired Water Bodies	0.00
Solid Waste	12.9
Sensitive Population	—
Asthma	36.7
Cardio-vascular	61.7
Low Birth Weights	74.4
Socioeconomic Factor Indicators	—
Education	61.4
Housing	67.7
Linguistic	66.9
Poverty	55.9
Unemployment	55.0

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	56.64057487
Employed	51.27678686
Median HI	43.05145644
Education	—
Bachelor's or higher	41.07532401
High school enrollment	100
Preschool enrollment	27.08841268
Transportation	—

Auto Access	31.75927114
Active commuting	51.70024381
Social	—
2-parent households	73.77133325
Voting	67.35531888
Neighborhood	—
Alcohol availability	46.10547928
Park access	39.88194534
Retail density	44.86077249
Supermarket access	69.48543565
Tree canopy	16.91261388
Housing	—
Homeownership	31.64378288
Housing habitability	25.5357372
Low-inc homeowner severe housing cost burden	79.81521879
Low-inc renter severe housing cost burden	48.10727576
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	56.08879764
Arthritis	18.8
Asthma ER Admissions	54.5
High Blood Pressure	25.9
Cancer (excluding skin)	24.3
Asthma	49.0
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	37.6
Diagnosed Diabetes	35.6
Life Expectancy at Birth	18.1

Cognitively Disabled	41.3
Physically Disabled	55.6
Heart Attack ER Admissions	23.4
Mental Health Not Good	53.9
Chronic Kidney Disease	20.1
Obesity	49.6
Pedestrian Injuries	49.7
Physical Health Not Good	44.3
Stroke	26.0
Health Risk Behaviors	—
Binge Drinking	55.6
Current Smoker	58.7
No Leisure Time for Physical Activity	49.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	81.0
Elderly	19.6
English Speaking	79.3
Foreign-born	57.1
Outdoor Workers	38.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	75.9
Traffic Density	25.7
Traffic Access	23.0
Other Indices	—
Hardship	52.9
Other Decision Support	—

2016 Voting	67.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	73.0
Healthy Places Index Score for Project Location (b)	46.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Building area set equal to the new tank area. Other asphalt surface includes new asphalt road within the project site.
Construction: Construction Phases	Based on project specific construction schedule.
Construction: Off-Road Equipment	Trenching equipment added for vault and piping construction.
Construction: Trips and VMT	Trips rounded up to the nearest even number to account for both arrival and departure trips. Trips set equal to 1,000 feet for onsite travel only for HRA analysis.
Construction: Architectural Coatings	Coatings for exterior of new tank only.

Operations: Vehicle Data	No change in facility operations, therefore tips set equal to zero.
Operations: Architectural Coatings	Based on tank external area.
Construction: Dust From Material Movement	Project specific data.

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 3/25/2025
** File: C:\Users\dlarocca\Desktop\Lakes Files\BensonConst2\BensonConst2.ADI
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**
**
**************************************
** AERMOD Control Pathway
**************************************
**
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CO STARTING
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   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9663345
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL BensonConst2.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = COST
** DESCRSRC Construction Sources
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
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   LOCATION L0000002     VOLUME   436977.236 3766689.763 261.00
   LOCATION L0000003     VOLUME   436987.236 3766689.744 261.05
   LOCATION L0000004     VOLUME   436997.236 3766689.726 261.25
   LOCATION L0000005     VOLUME   437007.236 3766689.707 261.47
   LOCATION L0000006     VOLUME   437017.236 3766689.689 261.71
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   LOCATION L0000008     VOLUME   437037.236 3766689.652 262.32
   LOCATION L0000009     VOLUME   437047.236 3766689.633 262.26
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LOCATION L0000082     VOLUME   437030.148 3766637.436 260.35
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SO FINISHED
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   INCLUDED BensonConst2.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
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   PROFFILE ..\Metdata\kcno_sfc_pfl\KCNO_V11_trimmed.PFL
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   PROFBASE 191.07 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
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OU STARTING
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   RECTABLE 1 1ST
** Auto-Generated Plotfiles
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   PLOTFILE 1 COST 1ST BENSONCONST2.AD\01H1G001.PLT 32
   PLOTFILE PERIOD ALL BENSONCONST2.AD\PE00GALL.PLT 33
   PLOTFILE PERIOD COST BENSONCONST2.AD\PE00G001.PLT 34
   SUMMFILE BensonConst2.sum
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
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** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 3/25/2025
** File: C:\Users\dlarocca\Desktop\Lakes Files\BensonConst2\BensonConst2.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
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   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9663345
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL BensonConst2.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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** DESCRSRC Construction Sources
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
** SZINIT = 4.65
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LOCATION L0000082     VOLUME   437030.148 3766637.436 260.35
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RE STARTING
   INCLUDED BensonConst2.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
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   PROFFILE ..\Metdata\kcno_sfc_pfl\KCNO_V11_trimmed.PFL
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   PROFBASE 191.07 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
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   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST BENSONCONST2.AD\01H1GALL.PLT 31
   PLOTFILE 1 COST 1ST BENSONCONST2.AD\01H1G001.PLT 32
   PLOTFILE PERIOD ALL BENSONCONST2.AD\PE00GALL.PLT 33
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OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
```

```
   ********   WARNING MESSAGES   ********
 ME W186     370       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     370       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                           ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   129 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   9663345.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages
```

```
 **This Run Includes:    129 Source(s);       2 Source Group(s); and    1224
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    129 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  22112

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   191.07 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   BensonConst2.err

 **File for Summary of Results:   BensonConst2.sum

↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	AIRCRAFT EMISSION RATE VARY BY
L0000001	0	0.77519E-02	436967.2	3766689.8	260.9	5.00	4.65	4.65	YES	NO
L0000002	0	0.77519E-02	436977.2	3766689.8	261.0	5.00	4.65	4.65	YES	NO
L0000003	0	0.77519E-02	436987.2	3766689.7	261.1	5.00	4.65	4.65	YES	NO
L0000004	0	0.77519E-02	436997.2	3766689.7	261.2	5.00	4.65	4.65	YES	NO
L0000005	0	0.77519E-02	437007.2	3766689.7	261.5	5.00	4.65	4.65	YES	NO
L0000006	0	0.77519E-02	437017.2	3766689.7	261.7	5.00	4.65	4.65	YES	NO
L0000007	0	0.77519E-02	437027.2	3766689.7	262.0	5.00	4.65	4.65	YES	NO
L0000008	0	0.77519E-02	437037.2	3766689.7	262.3	5.00	4.65	4.65	YES	NO
L0000009	0	0.77519E-02	437047.2	3766689.6	262.3	5.00	4.65	4.65	YES	NO
L0000010	0	0.77519E-02	437057.2	3766689.6	262.1	5.00	4.65	4.65	YES	NO
L0000011	0	0.77519E-02	437067.2	3766689.6	261.9	5.00	4.65	4.65	YES	NO
L0000012	0	0.77519E-02	437077.2	3766689.6	261.6	5.00	4.65	4.65	YES	NO
L0000013	0	0.77519E-02	437087.2	3766689.6	261.4	5.00	4.65	4.65	YES	NO
L0000014	0	0.77519E-02	437097.2	3766689.5	261.2	5.00	4.65	4.65	YES	NO
L0000015	0	0.77519E-02	437107.2	3766689.5	261.0	5.00	4.65	4.65	YES	NO
L0000016	0	0.77519E-02	437117.2	3766689.5	260.8	5.00	4.65			

```
4.65     YES                    NO
 L0000017         0   0.77519E-02  437127.2 3766689.5   260.8     5.00     4.65
4.65     YES                    NO
 L0000018         0   0.77519E-02  437135.7 3766688.0   260.7     5.00     4.65
4.65     YES                    NO
 L0000019         0   0.77519E-02  437134.8 3766678.8   260.6     5.00     4.65
4.65     YES                    NO
 L0000020         0   0.77519E-02  437124.8 3766678.9   260.7     5.00     4.65
4.65     YES                    NO
 L0000021         0   0.77519E-02  437114.8 3766678.9   260.8     5.00     4.65
4.65     YES                    NO
 L0000022         0   0.77519E-02  437104.8 3766678.9   260.9     5.00     4.65
4.65     YES                    NO
 L0000023         0   0.77519E-02  437094.8 3766678.9   261.0     5.00     4.65
4.65     YES                    NO
 L0000024         0   0.77519E-02  437084.8 3766678.9   261.1     5.00     4.65
4.65     YES                    NO
 L0000025         0   0.77519E-02  437074.8 3766679.0   261.2     5.00     4.65
4.65     YES                    NO
 L0000026         0   0.77519E-02  437064.8 3766679.0   261.4     5.00     4.65
4.65     YES                    NO
 L0000027         0   0.77519E-02  437054.8 3766679.0   261.5     5.00     4.65
4.65     YES                    NO
 L0000028         0   0.77519E-02  437044.8 3766679.0   261.6     5.00     4.65
4.65     YES                    NO
 L0000029         0   0.77519E-02  437034.8 3766679.0   261.6     5.00     4.65
4.65     YES                    NO
 L0000030         0   0.77519E-02  437024.8 3766679.1   261.5     5.00     4.65
4.65     YES                    NO
 L0000031         0   0.77519E-02  437014.8 3766679.1   261.3     5.00     4.65
4.65     YES                    NO
 L0000032         0   0.77519E-02  437004.8 3766679.1   261.2     5.00     4.65
4.65     YES                    NO
 L0000033         0   0.77519E-02  436994.8 3766679.1   261.1     5.00     4.65
4.65     YES                    NO
 L0000034         0   0.77519E-02  436984.8 3766679.1   261.0     5.00     4.65
4.65     YES                    NO
 L0000035         0   0.77519E-02  436974.8 3766679.1   260.9     5.00     4.65
4.65     YES                    NO
 L0000036         0   0.77519E-02  436964.8 3766679.2   260.8     5.00     4.65
4.65     YES                    NO
 L0000037         0   0.77519E-02  436961.7 3766672.1   260.7     5.00     4.65
4.65     YES                    NO
 L0000038         0   0.77519E-02  436965.1 3766665.7   260.7     5.00     4.65
4.65     YES                    NO
 L0000039         0   0.77519E-02  436975.1 3766665.7   260.8     5.00     4.65
4.65     YES                    NO
 L0000040         0   0.77519E-02  436985.1 3766665.7   260.9     5.00     4.65
4.65     YES                    NO
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	AIRCRAFT EMISSION RATE SCALAR VARY BY
L0000041	0	0.77519E-02	436995.1	3766665.8	260.9	5.00	4.65	4.65	YES	NO
L0000042	0	0.77519E-02	437005.1	3766665.8	260.9	5.00	4.65	4.65	YES	NO
L0000043	0	0.77519E-02	437015.1	3766665.8	260.9	5.00	4.65	4.65	YES	NO
L0000044	0	0.77519E-02	437025.1	3766665.9	260.9	5.00	4.65	4.65	YES	NO
L0000045	0	0.77519E-02	437035.1	3766665.9	260.9	5.00	4.65	4.65	YES	NO
L0000046	0	0.77519E-02	437045.1	3766666.0	260.8	5.00	4.65	4.65	YES	NO
L0000047	0	0.77519E-02	437055.1	3766666.0	260.8	5.00	4.65	4.65	YES	NO
L0000048	0	0.77519E-02	437065.1	3766666.0	260.7	5.00	4.65	4.65	YES	NO
L0000049	0	0.77519E-02	437075.1	3766666.1	260.7	5.00	4.65	4.65	YES	NO
L0000050	0	0.77519E-02	437085.1	3766666.1	260.7	5.00	4.65	4.65	YES	NO
L0000051	0	0.77519E-02	437095.1	3766666.1	260.7	5.00	4.65	4.65	YES	NO
L0000052	0	0.77519E-02	437105.1	3766666.2	260.7	5.00	4.65	4.65	YES	NO
L0000053	0	0.77519E-02	437115.1	3766666.2	260.7	5.00	4.65	4.65	YES	NO
L0000054	0	0.77519E-02	437125.1	3766666.3	260.6	5.00	4.65	4.65	YES	NO
L0000055	0	0.77519E-02	437135.1	3766666.2	260.6	5.00	4.65	4.65	YES	NO
L0000056	0	0.77519E-02	437135.1	3766656.2	260.4	5.00	4.65			

```
4.65     YES                    NO
 L0000057         0   0.77519E-02  437129.2 3766652.1   260.4     5.00     4.65
4.65     YES                    NO
 L0000058         0   0.77519E-02  437119.2 3766652.1   260.5     5.00     4.65
4.65     YES                    NO
 L0000059         0   0.77519E-02  437109.2 3766652.1   260.5     5.00     4.65
4.65     YES                    NO
 L0000060         0   0.77519E-02  437099.2 3766652.1   260.5     5.00     4.65
4.65     YES                    NO
 L0000061         0   0.77519E-02  437089.2 3766652.0   260.4     5.00     4.65
4.65     YES                    NO
 L0000062         0   0.77519E-02  437079.2 3766652.0   260.4     5.00     4.65
4.65     YES                    NO
 L0000063         0   0.77519E-02  437069.2 3766652.0   260.4     5.00     4.65
4.65     YES                    NO
 L0000064         0   0.77519E-02  437059.2 3766652.0   260.4     5.00     4.65
4.65     YES                    NO
 L0000065         0   0.77519E-02  437049.2 3766652.0   260.4     5.00     4.65
4.65     YES                    NO
 L0000066         0   0.77519E-02  437039.2 3766652.0   260.5     5.00     4.65
4.65     YES                    NO
 L0000067         0   0.77519E-02  437029.2 3766651.9   260.6     5.00     4.65
4.65     YES                    NO
 L0000068         0   0.77519E-02  437019.2 3766651.9   260.6     5.00     4.65
4.65     YES                    NO
 L0000069         0   0.77519E-02  437009.2 3766651.9   260.6     5.00     4.65
4.65     YES                    NO
 L0000070         0   0.77519E-02  436999.2 3766651.9   260.7     5.00     4.65
4.65     YES                    NO
 L0000071         0   0.77519E-02  436989.2 3766651.9   260.7     5.00     4.65
4.65     YES                    NO
 L0000072         0   0.77519E-02  436979.2 3766651.8   260.6     5.00     4.65
4.65     YES                    NO
 L0000073         0   0.77519E-02  436969.2 3766651.8   260.5     5.00     4.65
4.65     YES                    NO
 L0000074         0   0.77519E-02  436962.2 3766648.8   260.4     5.00     4.65
4.65     YES                    NO
 L0000075         0   0.77519E-02  436962.2 3766638.8   260.3     5.00     4.65
4.65     YES                    NO
 L0000076         0   0.77519E-02  436970.2 3766636.8   260.3     5.00     4.65
4.65     YES                    NO
 L0000077         0   0.77519E-02  436980.2 3766636.9   260.4     5.00     4.65
4.65     YES                    NO
 L0000078         0   0.77519E-02  436990.2 3766637.0   260.4     5.00     4.65
4.65     YES                    NO
 L0000079         0   0.77519E-02  437000.1 3766637.1   260.4     5.00     4.65
4.65     YES                    NO
 L0000080         0   0.77519E-02  437010.1 3766637.2   260.4     5.00     4.65
4.65     YES                    NO
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE   AIRCRAFT
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 - - -

```
4.65     YES                    NO
 L0000097         0   0.77519E-02  437106.1 3766624.8   260.1     5.00     4.65
4.65     YES                    NO
 L0000098         0   0.77519E-02  437096.1 3766624.6   260.1     5.00     4.65
4.65     YES                    NO
 L0000099         0   0.77519E-02  437086.1 3766624.5   260.0     5.00     4.65
4.65     YES                    NO
 L0000100         0   0.77519E-02  437076.1 3766624.4   259.9     5.00     4.65
4.65     YES                    NO
 L0000101         0   0.77519E-02  437066.1 3766624.3   259.9     5.00     4.65
4.65     YES                    NO
 L0000102         0   0.77519E-02  437056.1 3766624.2   259.9     5.00     4.65
4.65     YES                    NO
 L0000103         0   0.77519E-02  437046.1 3766624.1   260.1     5.00     4.65
4.65     YES                    NO
 L0000104         0   0.77519E-02  437036.1 3766624.0   260.1     5.00     4.65
4.65     YES                    NO
 L0000105         0   0.77519E-02  437026.1 3766623.9   260.1     5.00     4.65
4.65     YES                    NO
 L0000106         0   0.77519E-02  437016.1 3766623.8   260.2     5.00     4.65
4.65     YES                    NO
 L0000107         0   0.77519E-02  437006.1 3766623.6   260.2     5.00     4.65
4.65     YES                    NO
 L0000108         0   0.77519E-02  436996.1 3766623.5   260.2     5.00     4.65
4.65     YES                    NO
 L0000109         0   0.77519E-02  436986.1 3766623.4   260.2     5.00     4.65
4.65     YES                    NO
 L0000110         0   0.77519E-02  436976.1 3766623.3   260.1     5.00     4.65
4.65     YES                    NO
 L0000111         0   0.77519E-02  436966.1 3766623.2   260.1     5.00     4.65
4.65     YES                    NO
 L0000112         0   0.77519E-02  436962.5 3766617.1   260.0     5.00     4.65
4.65     YES                    NO
 L0000113         0   0.77519E-02  436965.1 3766609.4   259.9     5.00     4.65
4.65     YES                    NO
 L0000114         0   0.77519E-02  436975.1 3766609.5   259.9     5.00     4.65
4.65     YES                    NO
 L0000115         0   0.77519E-02  436985.1 3766609.7   259.9     5.00     4.65
4.65     YES                    NO
 L0000116         0   0.77519E-02  436995.1 3766609.8   259.9     5.00     4.65
4.65     YES                    NO
 L0000117         0   0.77519E-02  437005.1 3766610.0   259.9     5.00     4.65
4.65     YES                    NO
 L0000118         0   0.77519E-02  437015.1 3766610.1   259.9     5.00     4.65
4.65     YES                    NO
 L0000119         0   0.77519E-02  437025.1 3766610.3   259.9     5.00     4.65
4.65     YES                    NO
 L0000120         0   0.77519E-02  437035.1 3766610.4   259.9     5.00     4.65
4.65     YES                    NO
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000121	0	0.77519E-02	437045.1	3766610.6	259.8	5.00	4.65	4.65	YES	NO	
L0000122	0	0.77519E-02	437055.1	3766610.7	259.7	5.00	4.65	4.65	YES	NO	
L0000123	0	0.77519E-02	437065.1	3766610.8	259.6	5.00	4.65	4.65	YES	NO	
L0000124	0	0.77519E-02	437075.1	3766611.0	259.7	5.00	4.65	4.65	YES	NO	
L0000125	0	0.77519E-02	437085.1	3766611.1	259.7	5.00	4.65	4.65	YES	NO	
L0000126	0	0.77519E-02	437095.1	3766611.3	259.8	5.00	4.65	4.65	YES	NO	
L0000127	0	0.77519E-02	437105.1	3766611.4	259.8	5.00	4.65	4.65	YES	NO	
L0000128	0	0.77519E-02	437115.1	3766611.6	259.8	5.00	4.65	4.65	YES	NO	
L0000129	0	0.77519E-02	437125.1	3766611.7	259.7	5.00	4.65	4.65	YES	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

```
  COST       L0000001    , L0000002    , L0000003    , L0000004    , L0000005    ,
L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    , L0000013    ,
L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    , L0000021    ,
L0000022    , L0000023    , L0000024    ,

             L0000025    , L0000026    , L0000027    , L0000028    , L0000029    ,
L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    , L0000037    ,
L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , L0000043    , L0000044    , L0000045    ,
L0000046    , L0000047    , L0000048    ,

             L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    , L0000061    ,
L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    , L0000083    , L0000084    , L0000085    ,
L0000086    , L0000087    , L0000088    ,

             L0000089    , L0000090    , L0000091    , L0000092    , L0000093    ,
L0000094    , L0000095    , L0000096    ,

             L0000097    , L0000098    , L0000099    , L0000100    , L0000101    ,
L0000102    , L0000103    , L0000104    ,

             L0000105    , L0000106    , L0000107    , L0000108    , L0000109    ,
L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

             L0000121    , L0000122    , L0000123    , L0000124    , L0000125    ,
L0000126    , L0000127    , L0000128    ,
```

```
             L0000129    ,

  ALL        L0000001    , L0000002    , L0000003    , L0000004    , L0000005    ,
L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    , L0000013    ,
L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    , L0000021    ,
L0000022    , L0000023    , L0000024    ,
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


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L0000126    , L0000127    , L0000128    ,

             L0000129    ,
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                  SOURCE IDs
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
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                                  PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

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↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                            (METERS)

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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

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Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

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3766265.0,     253.4,    2697.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
```

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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     ( 436849.5, 3767365.0,     269.3,    3067.0,       0.0);         ( 436849.5,
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***       12:32:57
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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     ( 437849.5, 3766565.0,     261.9,    3067.0,       0.0);         ( 437849.5,
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3766265.0,     257.2,    2697.3,       0.0);
     ( 437849.5, 3766165.0,     255.9,    2697.3,       0.0);         ( 437849.5,
3766065.0,     254.7,    2697.3,       0.0);
     ( 437849.5, 3765965.0,     253.5,    2697.3,       0.0);         ( 437849.5,
3765865.0,     252.2,    2697.3,       0.0);
     ( 437849.5, 3765765.0,     251.7,    2697.3,       0.0);         ( 437849.5,
3765665.0,     249.8,    2697.3,       0.0);
     ( 437949.5, 3767165.0,     269.0,    3067.0,       0.0);         ( 437949.5,
3767065.0,     267.5,    3067.0,       0.0);
     ( 437949.5, 3766965.0,     266.1,    3067.0,       0.0);         ( 437949.5,
3766865.0,     264.6,    3067.0,       0.0);
     ( 437949.5, 3766765.0,     263.4,    3067.0,       0.0);         ( 437949.5,
3766665.0,     262.7,    3067.0,       0.0);
     ( 437949.5, 3766565.0,     261.8,    3067.0,       0.0);         ( 437949.5,
3766465.0,     261.1,    3067.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(437949.5, 3766365.0, 259.6, 2697.3, 0.0); (437949.5, 3766265.0, 258.1, 2697.3, 0.0);
(437949.5, 3766165.0, 256.8, 2697.3, 0.0); (437949.5, 3766065.0, 255.0, 2697.3, 0.0);
(437949.5, 3765965.0, 253.4, 2697.3, 0.0); (437949.5, 3765865.0, 251.7, 2697.3, 0.0);
(437949.5, 3765765.0, 250.8, 2697.3, 0.0); (437949.5, 3765665.0, 249.9, 2697.3, 0.0);
(438049.5, 3767165.0, 269.2, 3067.0, 0.0); (438049.5, 3767065.0, 267.6, 3067.0, 0.0);
(438049.5, 3766965.0, 266.3, 3067.0, 0.0); (438049.5, 3766865.0, 265.0, 3067.0, 0.0);
(438049.5, 3766765.0, 264.1, 3067.0, 0.0); (438049.5, 3766665.0, 263.2, 3067.0, 0.0);
(438049.5, 3766565.0, 262.5, 3067.0, 0.0); (438049.5, 3766465.0, 261.8, 3067.0, 0.0);
(438049.5, 3766365.0, 259.9, 2697.3, 0.0); (438049.5, 3766265.0, 258.2, 2697.3, 0.0);
(438049.5, 3766165.0, 256.4, 2697.3, 0.0); (438049.5, 3766065.0, 255.0, 2697.3, 0.0);
(438049.5, 3765965.0, 253.6, 2697.3, 0.0); (438049.5, 3765865.0, 251.7, 2697.3, 0.0);
(438049.5, 3765765.0, 251.4, 2697.3, 0.0); (438049.5, 3765665.0, 251.1, 2697.3, 0.0);
(437549.5, 3766065.0, 254.1, 2697.3, 0.0); (437549.5, 3765965.0, 252.9, 2697.3, 0.0);
(437549.5, 3765865.0, 251.9, 2697.3, 0.0); (437549.5, 3765765.0, 250.5, 2697.3, 0.0);
(437549.5, 3765665.0, 249.1, 2697.3, 0.0); (437449.5, 3766065.0, 254.2, 2697.3, 0.0);
(437449.5, 3765965.0, 252.5, 2697.3, 0.0); (437449.5, 3765865.0, 251.5, 2697.3, 0.0);
(437449.5, 3765765.0, 249.7, 2697.3, 0.0); (437449.5, 3765665.0, 248.0, 2697.3, 0.0);
(437349.5, 3766065.0, 253.4, 2697.3, 0.0); (437349.5, 3765965.0, 252.2, 2697.3, 0.0);
(437349.5, 3765865.0, 251.5, 2697.3, 0.0); (437349.5, 3765765.0, 249.8, 2697.3, 0.0);
(437349.5, 3765665.0, 247.6, 2697.3, 0.0); (437249.5, 3766065.0, 252.9, 2697.3, 0.0);
(437249.5, 3765965.0, 251.6, 2697.3, 0.0); (437249.5,

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3765865.0,     250.6,    2697.3,       0.0);
     ( 437249.5, 3765765.0,     249.0,    2697.3,       0.0);         ( 437249.5,
3765665.0,     246.7,    2697.3,       0.0);
     ( 437149.5, 3766065.0,     252.2,    2697.3,       0.0);         ( 437149.5,
3765965.0,     251.0,    2697.3,       0.0);
     ( 437149.5, 3765865.0,     249.6,    2697.3,       0.0);         ( 437149.5,
3765765.0,     247.6,    2697.3,       0.0);
     ( 437149.5, 3765665.0,     246.1,    2697.3,       0.0);         ( 437049.5,
3766065.0,     251.6,    2697.3,       0.0);
     ( 437049.5, 3765965.0,     250.5,    2697.3,       0.0);         ( 437049.5,
3765865.0,     249.2,    2697.3,       0.0);
     ( 437049.5, 3765765.0,     247.3,    2697.3,       0.0);         ( 437049.5,
3765665.0,     245.7,    2697.3,       0.0);
     ( 436949.5, 3766065.0,     251.4,    2697.3,       0.0);         ( 436949.5,
3765965.0,     249.0,    2697.3,       0.0);
     ( 436949.5, 3765865.0,     249.0,    2697.3,       0.0);         ( 436949.5,
3765765.0,     247.1,    2697.3,       0.0);
     ( 436949.5, 3765665.0,     245.2,    2697.3,       0.0);         ( 436849.5,
3766065.0,     251.3,    2697.3,       0.0);
     ( 436849.5, 3765965.0,     249.2,    2697.3,       0.0);         ( 436849.5,
3765865.0,     249.3,    2697.3,       0.0);
     ( 436849.5, 3765765.0,     246.9,    2697.3,       0.0);         ( 436849.5,
3765665.0,     244.6,    2697.3,       0.0);
     ( 436749.5, 3766065.0,     252.0,    2697.3,       0.0);         ( 436749.5,
3765965.0,     248.8,    2697.3,       0.0);
     ( 436749.5, 3765865.0,     249.2,    2697.3,       0.0);         ( 436749.5,
3765765.0,     245.9,    2697.3,       0.0);
     ( 436749.5, 3765665.0,     243.7,    2697.3,       0.0);         ( 436649.5,
3766065.0,     251.6,    2697.3,       0.0);
     ( 436649.5, 3765965.0,     249.4,    2697.3,       0.0);         ( 436649.5,
3765865.0,     248.8,    2697.3,       0.0);
     ( 436649.5, 3765765.0,     244.2,    2697.3,       0.0);         ( 436649.5,
3765665.0,     242.8,    2697.3,       0.0);
     ( 436549.5, 3766065.0,     251.2,    2697.3,       0.0);         ( 436549.5,
3765965.0,     248.9,    2697.3,       0.0);
     ( 436549.5, 3765865.0,     248.2,    2697.3,       0.0);         ( 436549.5,
3765765.0,     242.2,    2697.3,       0.0);
     ( 436549.5, 3765665.0,     241.7,    2697.3,       0.0);         ( 436449.5,
3766065.0,     250.7,    2697.3,       0.0);
     ( 436449.5, 3765965.0,     249.0,    2697.3,       0.0);         ( 436449.5,
3765865.0,     248.0,    2697.3,       0.0);
     ( 436449.5, 3765765.0,     243.2,    2697.3,       0.0);         ( 436449.5,
3765665.0,     241.8,    2697.3,       0.0);
     ( 436349.5, 3766065.0,     250.4,    2697.3,       0.0);         ( 436349.5,
3765965.0,     249.3,    2697.3,       0.0);
     ( 436349.5, 3765865.0,     248.2,    2697.3,       0.0);         ( 436349.5,
3765765.0,     245.4,    2697.3,       0.0);
     ( 436349.5, 3765665.0,     243.7,    2697.3,       0.0);         ( 436249.5,
3766065.0,     249.7,    2697.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 436249.5, 3765965.0,     248.6,    2697.3,       0.0);         ( 436249.5,
3765865.0,     247.8,    2697.3,       0.0);
     ( 436249.5, 3765765.0,     242.9,    2697.3,       0.0);         ( 436249.5,
3765665.0,     241.0,    2697.3,       0.0);
     ( 436149.5, 3766065.0,     249.0,    2697.3,       0.0);         ( 436149.5,
3765965.0,     247.7,    2697.3,       0.0);
     ( 436149.5, 3765865.0,     246.4,    2697.3,       0.0);         ( 436149.5,
3765765.0,     241.2,    2697.3,       0.0);
     ( 436149.5, 3765665.0,     240.3,    2697.3,       0.0);         ( 436049.5,
3766065.0,     248.7,    2697.3,       0.0);
     ( 436049.5, 3765965.0,     247.8,    2697.3,       0.0);         ( 436049.5,
3765865.0,     246.3,    2697.3,       0.0);
     ( 436049.5, 3765765.0,     242.0,    2697.3,       0.0);         ( 436049.5,
3765665.0,     241.1,    2697.3,       0.0);
     ( 436449.5, 3766165.0,     251.8,    2697.3,       0.0);         ( 436449.5,
3766265.0,     252.7,    2697.3,       0.0);
     ( 436449.5, 3766365.0,     254.0,    2697.3,       0.0);         ( 436449.5,
3766465.0,     255.6,    2697.3,       0.0);
     ( 436449.5, 3766565.0,     257.7,    3044.5,       0.0);         ( 436449.5,
3766665.0,     258.3,    3067.0,       0.0);
     ( 436449.5, 3766765.0,     259.5,    3067.0,       0.0);         ( 436449.5,
3766865.0,     261.3,    3067.0,       0.0);
     ( 436449.5, 3766965.0,     262.2,    3067.0,       0.0);         ( 436449.5,
3767065.0,     263.6,    3067.0,       0.0);
     ( 436449.5, 3767165.0,     265.4,    3067.0,       0.0);         ( 436449.5,
3767265.0,     266.6,    3067.0,       0.0);
     ( 436449.5, 3767365.0,     267.8,    3067.0,       0.0);         ( 436449.5,
3767465.0,     269.9,    3067.0,       0.0);
     ( 436449.5, 3767565.0,     270.7,    3067.0,       0.0);         ( 436449.5,
3767665.0,     272.7,    3067.0,       0.0);
     ( 436349.5, 3766165.0,     251.3,    2697.3,       0.0);         ( 436349.5,
3766265.0,     252.4,    2697.3,       0.0);
     ( 436349.5, 3766365.0,     253.6,    2697.3,       0.0);         ( 436349.5,
3766465.0,     254.9,    2697.3,       0.0);
     ( 436349.5, 3766565.0,     256.0,    3044.5,       0.0);         ( 436349.5,
3766665.0,     257.4,    3067.0,       0.0);
     ( 436349.5, 3766765.0,     258.7,    3067.0,       0.0);         ( 436349.5,
3766865.0,     260.0,    3067.0,       0.0);
     ( 436349.5, 3766965.0,     261.6,    3067.0,       0.0);         ( 436349.5,
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3767065.0,     263.2,    3067.0,       0.0);
     ( 436349.5, 3767165.0,     264.7,    3067.0,       0.0);         ( 436349.5,
3767265.0,     266.3,    3067.0,       0.0);
     ( 436349.5, 3767365.0,     267.8,    3067.0,       0.0);         ( 436349.5,
3767465.0,     269.2,    3067.0,       0.0);
     ( 436349.5, 3767565.0,     270.7,    3067.0,       0.0);         ( 436349.5,
3767665.0,     272.1,    3067.0,       0.0);
     ( 436249.5, 3766165.0,     250.5,    2697.3,       0.0);         ( 436249.5,
3766265.0,     252.2,    2697.3,       0.0);
     ( 436249.5, 3766365.0,     253.7,    2697.3,       0.0);         ( 436249.5,
3766465.0,     254.3,    2697.3,       0.0);
     ( 436249.5, 3766565.0,     255.0,    3044.5,       0.0);         ( 436249.5,
3766665.0,     256.7,    3067.0,       0.0);
     ( 436249.5, 3766765.0,     257.6,    3067.0,       0.0);         ( 436249.5,
3766865.0,     259.9,    3067.0,       0.0);
     ( 436249.5, 3766965.0,     261.4,    3067.0,       0.0);         ( 436249.5,
3767065.0,     262.7,    3067.0,       0.0);
     ( 436249.5, 3767165.0,     264.5,    3067.0,       0.0);         ( 436249.5,
3767265.0,     265.8,    3067.0,       0.0);
     ( 436249.5, 3767365.0,     267.4,    3067.0,       0.0);         ( 436249.5,
3767465.0,     268.1,    3067.0,       0.0);
     ( 436249.5, 3767565.0,     269.7,    3067.0,       0.0);         ( 436249.5,
3767665.0,     271.4,    3067.0,       0.0);
     ( 436149.5, 3766165.0,     250.2,    2697.3,       0.0);         ( 436149.5,
3766265.0,     251.4,    2697.3,       0.0);
     ( 436149.5, 3766365.0,     253.5,    2697.3,       0.0);         ( 436149.5,
3766465.0,     254.1,    2697.3,       0.0);
     ( 436149.5, 3766565.0,     255.6,    3044.5,       0.0);         ( 436149.5,
3766665.0,     256.9,    3067.0,       0.0);
     ( 436149.5, 3766765.0,     257.9,    3067.0,       0.0);         ( 436149.5,
3766865.0,     259.8,    3067.0,       0.0);
     ( 436149.5, 3766965.0,     261.2,    3067.0,       0.0);         ( 436149.5,
3767065.0,     262.6,    3067.0,       0.0);
     ( 436149.5, 3767165.0,     264.0,    3067.0,       0.0);         ( 436149.5,
3767265.0,     265.7,    3067.0,       0.0);
     ( 436149.5, 3767365.0,     267.1,    3067.0,       0.0);         ( 436149.5,
3767465.0,     268.1,    3067.0,       0.0);
     ( 436149.5, 3767565.0,     269.8,    3067.0,       0.0);         ( 436149.5,
3767665.0,     272.2,    3067.0,       0.0);
     ( 436049.5, 3766165.0,     250.1,    2697.3,       0.0);         ( 436049.5,
3766265.0,     250.9,    2697.3,       0.0);
     ( 436049.5, 3766365.0,     253.0,    2697.3,       0.0);         ( 436049.5,
3766465.0,     253.8,    2697.3,       0.0);
     ( 436049.5, 3766565.0,     255.4,    3044.5,       0.0);         ( 436049.5,
3766665.0,     256.0,    3067.0,       0.0);
     ( 436049.5, 3766765.0,     257.3,    3067.0,       0.0);         ( 436049.5,
3766865.0,     258.8,    3067.0,       0.0);
     ( 436049.5, 3766965.0,     260.8,    3067.0,       0.0);         ( 436049.5,
3767065.0,     262.5,    3067.0,       0.0);
     ( 436049.5, 3767165.0,     264.1,    3067.0,       0.0);         ( 436049.5,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 436049.5, 3767365.0,     267.8,    3067.0,       0.0);         ( 436049.5,
3767465.0,     269.2,    3067.0,       0.0);
     ( 436049.5, 3767565.0,     271.1,    3067.0,       0.0);         ( 436049.5,
3767665.0,     272.3,    3067.0,       0.0);
     ( 436049.5, 3767865.0,     275.4,    3067.0,       0.0);         ( 436049.5,
3768065.0,     277.5,    3067.0,       0.0);
     ( 436049.5, 3768265.0,     280.5,    3067.0,       0.0);         ( 436049.5,
3768465.0,     283.5,    3067.0,       0.0);
     ( 436049.5, 3768665.0,     285.9,    3067.0,       0.0);         ( 436249.5,
3767865.0,     275.7,    3067.0,       0.0);
     ( 436249.5, 3768065.0,     278.1,    3067.0,       0.0);         ( 436249.5,
3768265.0,     280.3,    3067.0,       0.0);
     ( 436249.5, 3768465.0,     283.1,    3067.0,       0.0);         ( 436249.5,
3768665.0,     286.0,    3067.0,       0.0);
     ( 436449.5, 3767865.0,     275.4,    3067.0,       0.0);         ( 436449.5,
3768065.0,     278.0,    3067.0,       0.0);
     ( 436449.5, 3768265.0,     280.8,    3067.0,       0.0);         ( 436449.5,
3768465.0,     283.5,    3067.0,       0.0);
     ( 436449.5, 3768665.0,     286.7,    3067.0,       0.0);         ( 436649.5,
3767865.0,     276.1,    3067.0,       0.0);
     ( 436649.5, 3768065.0,     279.0,    3067.0,       0.0);         ( 436649.5,
3768265.0,     282.7,    3067.0,       0.0);
     ( 436649.5, 3768465.0,     283.9,    3067.0,       0.0);         ( 436649.5,
3768665.0,     287.3,    3067.0,       0.0);
     ( 436849.5, 3767865.0,     276.4,    3067.0,       0.0);         ( 436849.5,
3768065.0,     280.0,    3067.0,       0.0);
     ( 436849.5, 3768265.0,     282.5,    3067.0,       0.0);         ( 436849.5,
3768465.0,     284.9,    3067.0,       0.0);
     ( 436849.5, 3768665.0,     288.1,    3067.0,       0.0);         ( 437049.5,
3767865.0,     277.2,    3067.0,       0.0);
     ( 437049.5, 3768065.0,     280.5,    3067.0,       0.0);         ( 437049.5,
3768265.0,     283.3,    3067.0,       0.0);
     ( 437049.5, 3768465.0,     286.4,    3067.0,       0.0);         ( 437049.5,
3768665.0,     289.7,    3067.0,       0.0);
     ( 437249.5, 3767865.0,     278.2,    3067.0,       0.0);         ( 437249.5,
3768065.0,     281.1,    3067.0,       0.0);
     ( 437249.5, 3768265.0,     283.7,    3067.0,       0.0);         ( 437249.5,
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3768465.0,     286.2,    3067.0,       0.0);
     ( 437249.5, 3768665.0,     289.6,    3067.0,       0.0);         ( 437449.5,
3767865.0,     278.3,    3067.0,       0.0);
     ( 437449.5, 3768065.0,     281.7,    3067.0,       0.0);         ( 437449.5,
3768265.0,     284.5,    3067.0,       0.0);
     ( 437449.5, 3768465.0,     287.8,    3067.0,       0.0);         ( 437449.5,
3768665.0,     290.3,    3067.0,       0.0);
     ( 437649.5, 3767865.0,     278.9,    3067.0,       0.0);         ( 437649.5,
3768065.0,     282.1,    3067.0,       0.0);
     ( 437649.5, 3768265.0,     285.2,    3067.0,       0.0);         ( 437649.5,
3768465.0,     287.7,    3067.0,       0.0);
     ( 437649.5, 3768665.0,     290.5,    3067.0,       0.0);         ( 437849.5,
3767865.0,     279.4,    3067.0,       0.0);
     ( 437849.5, 3768065.0,     282.4,    3067.0,       0.0);         ( 437849.5,
3768265.0,     285.6,    3067.0,       0.0);
     ( 437849.5, 3768465.0,     288.0,    3067.0,       0.0);         ( 437849.5,
3768665.0,     291.6,    3067.0,       0.0);
     ( 438049.5, 3767865.0,     279.5,    3067.0,       0.0);         ( 438049.5,
3768065.0,     282.6,    3067.0,       0.0);
     ( 438049.5, 3768265.0,     285.5,    3067.0,       0.0);         ( 438049.5,
3768465.0,     288.3,    3067.0,       0.0);
     ( 438049.5, 3768665.0,     291.6,    3067.0,       0.0);         ( 438249.5,
3767865.0,     279.6,    3067.0,       0.0);
     ( 438249.5, 3768065.0,     281.4,    3067.0,       0.0);         ( 438249.5,
3768265.0,     286.0,    3067.0,       0.0);
     ( 438249.5, 3768465.0,     289.1,    3067.0,       0.0);         ( 438249.5,
3768665.0,     292.3,    3067.0,       0.0);
     ( 438449.5, 3767865.0,     279.8,    3067.0,       0.0);         ( 438449.5,
3768065.0,     283.3,    3067.0,       0.0);
     ( 438449.5, 3768265.0,     285.9,    3067.0,       0.0);         ( 438449.5,
3768465.0,     289.9,    3067.0,       0.0);
     ( 438449.5, 3768665.0,     292.9,    3067.0,       0.0);         ( 438649.5,
3767865.0,     279.9,    3067.0,       0.0);
     ( 438649.5, 3768065.0,     283.1,    3067.0,       0.0);         ( 438649.5,
3768265.0,     286.9,    3067.0,       0.0);
     ( 438649.5, 3768465.0,     289.9,    3067.0,       0.0);         ( 438649.5,
3768665.0,     293.8,    3067.0,       0.0);
     ( 438849.5, 3767865.0,     280.7,    3067.0,       0.0);         ( 438849.5,
3768065.0,     283.4,    3067.0,       0.0);
     ( 438849.5, 3768265.0,     286.7,    3067.0,       0.0);         ( 438849.5,
3768465.0,     290.0,    3067.0,       0.0);
     ( 438849.5, 3768665.0,     293.2,    3067.0,       0.0);         ( 439049.5,
3767865.0,     280.9,    3067.0,       0.0);
     ( 439049.5, 3768065.0,     283.8,    3067.0,       0.0);         ( 439049.5,
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     ( 439049.5, 3768465.0,     290.8,    3067.0,       0.0);         ( 439049.5,
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     ( 438249.5, 3767665.0,     277.2,    3067.0,       0.0);         ( 438249.5,
3767465.0,     273.3,    3067.0,       0.0);
     ( 438249.5, 3767265.0,     270.9,    3067.0,       0.0);         ( 438249.5,
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3767065.0,   269.2,   3067.0,   0.0);
     (438249.5, 3766865.0,   266.0,   3067.0,   0.0);   (438249.5,
3766665.0,   263.6,   3067.0,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (438249.5, 3766465.0,   260.9,   3067.0,   0.0);   (438249.5,
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     (438249.5, 3766065.0,   254.4,   2697.3,   0.0);   (438249.5,
3765865.0,   252.0,   2697.3,   0.0);
     (438249.5, 3765665.0,   253.3,   2697.3,   0.0);   (438249.5,
3765465.0,   246.8,   2697.3,   0.0);
     (438249.5, 3765265.0,   245.5,   2697.3,   0.0);   (438249.5,
3765065.0,   241.5,   2697.3,   0.0);
     (438249.5, 3764865.0,   240.1,   2697.3,   0.0);   (438249.5,
3764665.0,   238.5,   2697.3,   0.0);
     (438449.5, 3767665.0,   276.4,   3067.0,   0.0);   (438449.5,
3767465.0,   274.0,   3067.0,   0.0);
     (438449.5, 3767265.0,   271.8,   3067.0,   0.0);   (438449.5,
3767065.0,   267.5,   3067.0,   0.0);
     (438449.5, 3766865.0,   265.7,   3067.0,   0.0);   (438449.5,
3766665.0,   265.3,   3067.0,   0.0);
     (438449.5, 3766465.0,   260.6,   3067.0,   0.0);   (438449.5,
3766265.0,   256.8,   2697.3,   0.0);
     (438449.5, 3766065.0,   254.6,   2697.3,   0.0);   (438449.5,
3765865.0,   252.8,   2697.3,   0.0);
     (438449.5, 3765665.0,   253.7,   2697.3,   0.0);   (438449.5,
3765465.0,   248.6,   2697.3,   0.0);
     (438449.5, 3765265.0,   245.9,   2697.3,   0.0);   (438449.5,
3765065.0,   243.5,   2697.3,   0.0);
     (438449.5, 3764865.0,   241.7,   2697.3,   0.0);   (438449.5,
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     (438649.5, 3767665.0,   276.2,   3067.0,   0.0);   (438649.5,
3767465.0,   273.9,   3067.0,   0.0);
     (438649.5, 3767265.0,   271.1,   3067.0,   0.0);   (438649.5,
3767065.0,   268.1,   3067.0,   0.0);
     (438649.5, 3766865.0,   265.0,   3067.0,   0.0);   (438649.5,
3766665.0,   262.9,   3067.0,   0.0);
     (438649.5, 3766465.0,   261.5,   3067.0,   0.0);   (438649.5,
3766265.0,   258.9,   2697.3,   0.0);
     (438649.5, 3766065.0,   255.9,   2697.3,   0.0);   (438649.5,

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     ( 438649.5, 3765665.0,     253.9,    2697.3,       0.0);         ( 438649.5,
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     ( 438649.5, 3765265.0,     247.0,    2697.3,       0.0);         ( 438649.5,
3765065.0,     243.8,    2697.3,       0.0);
     ( 438649.5, 3764865.0,     240.8,    2697.3,       0.0);         ( 438649.5,
3764665.0,     239.0,    2697.3,       0.0);
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     ( 438849.5, 3767265.0,     272.4,    3067.0,       0.0);         ( 438849.5,
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     ( 438849.5, 3766865.0,     266.1,    3067.0,       0.0);         ( 438849.5,
3766665.0,     263.2,    3067.0,       0.0);
     ( 438849.5, 3766465.0,     261.5,    3067.0,       0.0);         ( 438849.5,
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     ( 438849.5, 3766065.0,     256.9,    2697.3,       0.0);         ( 438849.5,
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     ( 438849.5, 3765665.0,     252.1,    2697.3,       0.0);         ( 438849.5,
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     ( 438849.5, 3765265.0,     246.7,    2697.3,       0.0);         ( 438849.5,
3765065.0,     243.2,    2697.3,       0.0);
     ( 438849.5, 3764865.0,     240.2,    2697.3,       0.0);         ( 438849.5,
3764665.0,     238.3,    2697.3,       0.0);
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     ( 439049.5, 3766865.0,     266.9,    3067.0,       0.0);         ( 439049.5,
3766665.0,     263.6,    3067.0,       0.0);
     ( 439049.5, 3766465.0,     261.3,    3067.0,       0.0);         ( 439049.5,
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     ( 439049.5, 3766065.0,     256.6,    2697.3,       0.0);         ( 439049.5,
3765865.0,     254.0,    2697.3,       0.0);
     ( 439049.5, 3765665.0,     252.9,    2697.3,       0.0);         ( 439049.5,
3765465.0,     248.5,    2697.3,       0.0);
     ( 439049.5, 3765265.0,     245.9,    2697.3,       0.0);         ( 439049.5,
3765065.0,     243.9,    2697.3,       0.0);
     ( 439049.5, 3764865.0,     240.3,    2697.3,       0.0);         ( 439049.5,
3764665.0,     238.5,    2697.3,       0.0);
     ( 438049.5, 3765465.0,     246.9,    2697.3,       0.0);         ( 438049.5,
3765265.0,     244.9,    2697.3,       0.0);
     ( 438049.5, 3765065.0,     241.8,    2697.3,       0.0);         ( 438049.5,
3764865.0,     240.2,    2697.3,       0.0);
     ( 438049.5, 3764665.0,     238.1,    2697.3,       0.0);         ( 437849.5,
3765465.0,     247.2,    2697.3,       0.0);
     ( 437849.5, 3765265.0,     244.0,    2697.3,       0.0);         ( 437849.5,
3765065.0,     242.0,    2697.3,       0.0);
     ( 437849.5, 3764865.0,     240.4,    2697.3,       0.0);         ( 437849.5,
3764665.0,     236.9,    2697.3,       0.0);
     ( 437649.5, 3765465.0,     246.9,    2697.3,       0.0);         ( 437649.5,
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3765265.0,     243.9,    2697.3,       0.0);
     ( 437649.5, 3765065.0,     241.1,    2697.3,       0.0);         ( 437649.5,
3764865.0,     238.7,    2697.3,       0.0);
     ( 437649.5, 3764665.0,     236.6,    2697.3,       0.0);         ( 437449.5,
3765465.0,     245.8,    2697.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                    PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 437449.5, 3765265.0,     242.8,    2697.3,       0.0);         ( 437449.5,
3765065.0,     240.0,    2697.3,       0.0);
     ( 437449.5, 3764865.0,     237.4,    2697.3,       0.0);         ( 437449.5,
3764665.0,     235.1,    2697.3,       0.0);
     ( 437249.5, 3765465.0,     245.8,    2697.3,       0.0);         ( 437249.5,
3765265.0,     242.7,    2697.3,       0.0);
     ( 437249.5, 3765065.0,     239.3,    2697.3,       0.0);         ( 437249.5,
3764865.0,     236.8,    2697.3,       0.0);
     ( 437249.5, 3764665.0,     234.7,    2697.3,       0.0);         ( 437049.5,
3765465.0,     244.7,    2697.3,       0.0);
     ( 437049.5, 3765265.0,     241.8,    2697.3,       0.0);         ( 437049.5,
3765065.0,     239.4,    2697.3,       0.0);
     ( 437049.5, 3764865.0,     237.3,    2697.3,       0.0);         ( 437049.5,
3764665.0,     234.6,    2697.3,       0.0);
     ( 436849.5, 3765465.0,     243.3,    2697.3,       0.0);         ( 436849.5,
3765265.0,     241.8,    2697.3,       0.0);
     ( 436849.5, 3765065.0,     239.3,    2697.3,       0.0);         ( 436849.5,
3764865.0,     236.6,    2697.3,       0.0);
     ( 436849.5, 3764665.0,     234.0,    2697.3,       0.0);         ( 436649.5,
3765465.0,     243.2,    2697.3,       0.0);
     ( 436649.5, 3765265.0,     240.2,    2697.3,       0.0);         ( 436649.5,
3765065.0,     238.7,    2697.3,       0.0);
     ( 436649.5, 3764865.0,     236.5,    2697.3,       0.0);         ( 436649.5,
3764665.0,     233.7,    2697.3,       0.0);
     ( 436449.5, 3765465.0,     242.5,    2697.3,       0.0);         ( 436449.5,
3765265.0,     239.5,    2697.3,       0.0);
     ( 436449.5, 3765065.0,     237.0,    2697.3,       0.0);         ( 436449.5,
3764865.0,     234.9,    2697.3,       0.0);
     ( 436449.5, 3764665.0,     232.4,    2697.3,       0.0);         ( 436249.5,
3765465.0,     241.7,    2697.3,       0.0);
     ( 436249.5, 3765265.0,     238.9,    2697.3,       0.0);         ( 436249.5,
3765065.0,     236.2,    2697.3,       0.0);
     ( 436249.5, 3764865.0,     233.7,    2697.3,       0.0);         ( 436249.5,
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3764665.0,     231.0,    2697.3,       0.0);
     ( 436049.5, 3765465.0,     241.3,    2697.3,       0.0);         ( 436049.5,
3765265.0,     238.9,    2697.3,       0.0);
     ( 436049.5, 3765065.0,     236.2,    2697.3,       0.0);         ( 436049.5,
3764865.0,     233.1,    2697.3,       0.0);
     ( 436049.5, 3764665.0,     230.3,    2697.3,       0.0);         ( 435849.5,
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3765065.0,     235.3,    2697.3,       0.0);
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3764665.0,     230.2,    2697.3,       0.0);
     ( 435649.5, 3765465.0,     239.3,    2697.3,       0.0);         ( 435649.5,
3765265.0,     237.0,    2697.3,       0.0);
     ( 435649.5, 3765065.0,     234.0,    2697.3,       0.0);         ( 435649.5,
3764865.0,     232.1,    2697.3,       0.0);
     ( 435649.5, 3764665.0,     229.8,    2697.3,       0.0);         ( 435449.5,
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     ( 435049.5, 3765265.0,     235.2,    2697.3,       0.0);         ( 435049.5,
3765065.0,     232.4,    2697.3,       0.0);
     ( 435049.5, 3764865.0,     230.0,    2645.7,       0.0);         ( 435049.5,
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     ( 435849.5, 3765665.0,     241.6,    2697.3,       0.0);         ( 435849.5,
3765865.0,     245.5,    2697.3,       0.0);
     ( 435849.5, 3766065.0,     247.8,    2697.3,       0.0);         ( 435849.5,
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     ( 435849.5, 3766865.0,     261.1,    3067.0,       0.0);         ( 435849.5,
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     ( 435849.5, 3767265.0,     265.5,    3067.0,       0.0);         ( 435849.5,
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     ( 435849.5, 3767665.0,     271.9,    3067.0,       0.0);         ( 435849.5,
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     ( 435849.5, 3768065.0,     276.2,    3067.0,       0.0);         ( 435849.5,
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     (435649.5, 3766865.0,   258.4,   3067.0,   0.0);   (435649.5,
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3767465.0,   266.9,   3067.0,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (435649.5, 3767665.0,   269.9,   3067.0,   0.0);   (435649.5,
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     (435449.5, 3765665.0,   239.4,   2697.3,   0.0);   (435449.5,
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3766265.0,   247.0,   2697.3,   0.0);
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3766665.0,   253.5,   3044.5,   0.0);
     (435449.5, 3766865.0,   256.7,   3067.0,   0.0);   (435449.5,
3767065.0,   258.8,   3067.0,   0.0);
     (435449.5, 3767265.0,   261.8,   3067.0,   0.0);   (435449.5,
3767465.0,   264.6,   3067.0,   0.0);
     (435449.5, 3767665.0,   267.8,   3067.0,   0.0);   (435449.5,
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     (435249.5, 3766465.0,   248.4,   2697.3,   0.0);   (435249.5,
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3766265.0,     246.6,    2697.3,       0.0);
     ( 435049.5, 3766465.0,     249.4,    2697.3,       0.0);         ( 435049.5,
3766665.0,     252.1,    3044.5,       0.0);
     ( 435049.5, 3766865.0,     255.9,    3067.0,       0.0);         ( 435049.5,
3767065.0,     257.7,    3067.0,       0.0);
     ( 435049.5, 3767265.0,     260.1,    3067.0,       0.0);         ( 435049.5,
3767465.0,     262.6,    3067.0,       0.0);
     ( 435049.5, 3767665.0,     265.2,    3067.0,       0.0);         ( 435049.5,
3767865.0,     268.0,    3067.0,       0.0);
     ( 435049.5, 3768065.0,     270.4,    3067.0,       0.0);         ( 435049.5,
3768265.0,     273.1,    3067.0,       0.0);
     ( 435049.5, 3768465.0,     276.4,    3067.0,       0.0);         ( 435049.5,
3768665.0,     278.2,    3067.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\Metdata\kcno_sfc_pfl\KCNO_V11_trimmed.sfc
Met Version: 22112
Profile file: ..\Metdata\kcno_sfc_pfl\KCNO_V11_trimmed.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2017 Year: 2017

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
17	01	01	1	01	-17.3	0.174	-9.000	-9.000	-999.	175.	33.5	0.02	0.54	1.00	2.86	261.	7.9	279.2	2.0
17	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.05	0.54	1.00	0.00	0.	7.9	279.2	2.0
17	01	01	1	03	-18.3	0.185	-9.000	-9.000	-999.	191.	37.7	0.11	0.54	1.00	2.09	340.	7.9	279.2	2.0
17	01	01	1	04	-5.5	0.091	-9.000	-9.000	-999.	70.	12.0	0.02	0.54	1.00	1.52	89.	7.9	279.2	2.0
17	01	01	1	05	-12.5	0.150	-9.000	-9.000	-999.	139.	24.7	0.14	0.54						

```
1.00    1.62   13.    7.9  277.5    2.0
 17 01 01   1 06   -9.0  0.126 -9.000 -9.000 -999.  107.     19.4  0.12   0.54
1.00    1.43  317.    7.9  277.5    2.0
 17 01 01   1 07   -3.0  0.067 -9.000 -9.000 -999.   43.      9.0  0.02   0.54
1.00    1.13  255.    7.9  277.0    2.0
 17 01 01   1 08   -5.8  0.097 -9.000 -9.000 -999.   73.     14.0  0.02   0.54
0.53    1.60   93.    7.9  277.5    2.0
 17 01 01   1 09   22.2  0.091  0.366  0.005   78.   66.     -3.0  0.02   0.54
0.31    0.97   35.    7.9  280.3    2.0
 17 01 01   1 10   54.8  0.172  0.954  0.005  559.  172.     -8.2  0.02   0.54
0.24    2.11   70.    7.9  283.8    2.0
 17 01 01   1 11   76.8  0.224  1.251  0.005  899.  254.    -12.9  0.02   0.54
0.21    2.83   99.    7.9  285.9    2.0
 17 01 01   1 12   73.6  0.126  1.297  0.005 1045.  111.     -2.4  0.02   0.54
0.20    1.31  107.    7.9  285.9    2.0
 17 01 01   1 13   86.2  0.147  1.404  0.005 1133.  135.     -3.3  0.02   0.54
0.20    1.60  234.    7.9  286.4    2.0
 17 01 01   1 14   62.5  0.198  1.284  0.005 1194.  211.    -10.9  0.02   0.54
0.21    2.49  291.    7.9  288.1    2.0
 17 01 01   1 15   42.3  0.319  1.138  0.005 1231.  433.    -67.8  0.02   0.54
0.25    4.65  247.    7.9  286.4    2.0
 17 01 01   1 16    1.0  0.222  0.331  0.005 1232.  256.   -941.4  0.02   0.54
0.34    3.40  241.    7.9  286.4    2.0
 17 01 01   1 17  -14.2  0.170 -9.000 -9.000 -999.  170.     31.9  0.02   0.54
0.61    2.69  233.    7.9  285.9    2.0
 17 01 01   1 18  -16.2  0.167 -9.000 -9.000 -999.  164.     30.6  0.02   0.54
1.00    2.74  250.    7.9  285.3    2.0
 17 01 01   1 19  -25.0  0.257 -9.000 -9.000 -999.  312.     72.6  0.02   0.54
1.00    4.14  243.    7.9  284.8    2.0
 17 01 01   1 20  -22.6  0.232 -9.000 -9.000 -999.  269.     59.3  0.02   0.54
1.00    3.63  226.    7.9  284.8    2.0
 17 01 01   1 21  -14.9  0.156 -9.000 -9.000 -999.  149.     26.7  0.03   0.54
1.00    2.28  151.    7.9  284.2    2.0
 17 01 01   1 22  -15.7  0.169 -9.000 -9.000 -999.  167.     31.5  0.14   0.54
1.00    1.81   14.    7.9  283.8    2.0
 17 01 01   1 23   -7.9  0.117 -9.000 -9.000 -999.   97.     18.1  0.11   0.54
1.00    1.37  358.    7.9  283.8    2.0
 17 01 01   1 24   -7.7  0.108 -9.000 -9.000 -999.   85.     14.6  0.02   0.54
1.00    1.77   94.    7.9  282.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    7.9 1  261.    2.86   279.3   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43800 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: COST ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436849.50	3766465.00	10.07904	436849.50	3766485.00	11.14363
436849.50	3766505.00	12.28237	436849.50	3766525.00	13.50091
436849.50	3766545.00	14.76021	436849.50	3766565.00	16.00246
436849.50	3766585.00	17.16911	436849.50	3766605.00	18.12862
436849.50	3766625.00	18.73927	436849.50	3766645.00	18.91701
436849.50	3766665.00	18.62974	436849.50	3766685.00	17.95047
436849.50	3766705.00	16.89869	436849.50	3766725.00	15.61411
436849.50	3766745.00	14.23187	436849.50	3766765.00	12.88780
436849.50	3766785.00	11.63215	436849.50	3766805.00	10.48757
436849.50	3766825.00	9.46447	436849.50	3766845.00	8.55887
436849.50	3766865.00	7.75910	436869.50	3766465.00	10.91026
436869.50	3766485.00	12.23208	436869.50	3766505.00	13.67316
436869.50	3766525.00	15.27133	436869.50		

```
3766545.00       16.99750
         436869.50    3766565.00       18.79227                       436869.50
3766585.00       20.53577
         436869.50    3766725.00       18.39995                       436869.50
3766745.00       16.46182
         436869.50    3766765.00       14.65302                       436869.50
3766785.00       13.02593
         436869.50    3766805.00       11.59191                       436869.50
3766825.00       10.34492
         436869.50    3766845.00        9.26549                       436869.50
3766865.00        8.32965
         436889.50    3766465.00       11.80265                       436889.50
3766485.00       13.42478
         436889.50    3766545.00       19.71929                       436889.50
3766565.00       22.35621
         436889.50    3766585.00       25.06985                       436889.50
3766725.00       22.00178
         436889.50    3766745.00       19.20743                       436889.50
3766765.00       16.73547
         436889.50    3766785.00       14.61279                       436889.50
3766805.00       12.81318
         436889.50    3766825.00       11.29537                       436889.50
3766845.00       10.01312
         436889.50    3766865.00        8.92205                       436909.50
3766465.00       12.70868
         436909.50    3766485.00       14.64883                       436909.50
3766725.00       26.70901
         436909.50    3766745.00       22.57849                       436909.50
3766765.00       19.16446
         436909.50    3766785.00       16.38704                       436909.50
3766805.00       14.13273
         436909.50    3766825.00       12.29363                       436909.50
3766845.00       10.78042
         436909.50    3766865.00        9.52068                       436929.50
3766465.00       13.48105
         436929.50    3766485.00       15.71484                       436929.50
3766725.00       32.89166
         436929.50    3766745.00       26.63370                       436929.50
3766765.00       21.91130
         436929.50    3766785.00       18.30954                       436929.50
3766805.00       15.51564
         436929.50    3766825.00       13.31258                       436929.50
3766845.00       11.54652
         436929.50    3766865.00       10.11037                       436949.50
3766465.00       14.14497
         436949.50    3766485.00       16.66596                       436949.50
3766725.00       40.70151
         436949.50    3766745.00       31.26158                       436949.50
3766765.00       24.86612
         436949.50    3766785.00       20.29178                       436949.50
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3766805.00       16.90361
         436949.50    3766825.00       14.31498                       436949.50
3766845.00       12.28846
         436949.50    3766865.00       10.67494                       436969.50
3766725.00       49.38970
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         436969.50    3766745.00       36.06831                       436969.50
3766765.00       27.81135
         436969.50    3766785.00       22.20805                       436969.50
3766805.00       18.22587
         436969.50    3766825.00       15.25918                       436969.50
3766845.00       12.98031
         436969.50    3766865.00       11.19552                       436989.50
3766725.00       57.68009
         436989.50    3766745.00       40.58679                       436989.50
3766765.00       30.53219
         436989.50    3766785.00       23.93362                       436989.50
3766805.00       19.41456
         436989.50    3766825.00       16.10678                       436989.50
3766845.00       13.59885
         436989.50    3766865.00       11.65349                       437009.50
3766785.00       25.46371
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         437009.50    3766805.00       20.40450                  437009.50
3766825.00       16.78854
         437009.50    3766845.00       14.10533                  437009.50
3766865.00       12.02723
         437029.50    3766785.00       26.73793                  437029.50
3766805.00       21.21663
         437029.50    3766825.00       17.33069                  437029.50
3766845.00       14.48448
         437029.50    3766865.00       12.30607                  437049.50
3766785.00       27.73110
         437049.50    3766805.00       21.79550                  437049.50
3766825.00       17.67921
         437049.50    3766845.00       14.70181                  437049.50
3766865.00       12.47747
         437069.50    3766785.00       28.41083                  437069.50
3766805.00       22.14445
         437069.50    3766825.00       17.84671                  437069.50
3766845.00       14.69694
         437069.50    3766865.00       12.55169                  437089.50
3766785.00       28.76077
         437089.50    3766805.00       22.40719                  437089.50
3766825.00       18.03244
         437089.50    3766845.00       14.88969                  437089.50
3766865.00       12.59409
         437109.50    3766785.00       28.72581                  437109.50
3766805.00       22.42582
         437109.50    3766825.00       18.05652                  437109.50
3766845.00       14.90514
         437109.50    3766865.00       12.57196                  437129.50
3766785.00       28.34748
         437129.50    3766805.00       22.23159                  437129.50
3766825.00       17.93748
         437129.50    3766845.00       14.82024                  437129.50
3766865.00       12.49248
         437149.50    3766785.00       27.70295                  437149.50
3766805.00       21.87710
         437149.50    3766825.00       17.71612                  437149.50
3766845.00       14.66627
         437149.50    3766865.00       12.37287                  437169.50
3766785.00       26.87895
         437169.50    3766805.00       21.41575                  437169.50
3766825.00       17.43344
         437169.50    3766845.00       14.47366                  437169.50
3766865.00       12.23003
         437189.50    3766465.00       11.67967                  437189.50
3766485.00       13.66386
         437189.50    3766505.00       16.27449                  437189.50
3766525.00       19.79458
         437189.50    3766545.00       24.64142                  437189.50
3766565.00       31.44262
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         437189.50    3766585.00       40.97730                      437189.50
3766605.00       53.60133
         437189.50    3766625.00       67.76662                      437189.50
3766645.00       79.00996
         437189.50    3766665.00       83.34547                      437189.50
3766685.00       79.51368
         437189.50    3766705.00       68.33495                      437189.50
3766725.00       54.33471
         437189.50    3766745.00       42.08508                      437189.50
3766765.00       32.78585
         437189.50    3766785.00       25.93954                      437189.50
3766805.00       20.88172
         437189.50    3766825.00       17.10827                      437189.50
3766845.00       14.25616
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         437189.50    3766865.00       12.07062                      437209.50
3766465.00       11.05600
         437209.50    3766485.00       12.87699                      437209.50
3766505.00       15.24438
         437209.50    3766525.00       18.37861                      437209.50
3766545.00       22.58632
         437209.50    3766565.00       28.25695                      437209.50
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3766585.00       35.69709
         437209.50    3766605.00       44.75514                  437209.50
3766625.00       54.26467
         437209.50    3766645.00       61.94935                  437209.50
3766665.00       65.42389
         437209.50    3766685.00       63.54426                  437209.50
3766705.00       56.86006
         437209.50    3766725.00       47.69559                  437209.50
3766745.00       38.58420
         437209.50    3766765.00       30.91499                  437209.50
3766785.00       24.90053
         437209.50    3766805.00       20.28168                  437209.50
3766825.00       16.74347
         437209.50    3766845.00       14.01886                  437209.50
3766865.00       11.90263
         437229.50    3766465.00       10.47838                  437229.50
3766485.00       12.15988
         437229.50    3766505.00       14.32279                  437229.50
3766525.00       17.13212
         437229.50    3766545.00       20.80268                  437229.50
3766565.00       25.54111
         437229.50    3766585.00       31.40028                  437229.50
3766605.00       38.08869
         437229.50    3766625.00       44.77913                  437229.50
3766645.00       50.13875
         437229.50    3766665.00       52.76710                  437229.50
3766685.00       51.91378
         437229.50    3766705.00       47.80215                  437229.50
3766725.00       41.69236
         437229.50    3766745.00       35.03969                  437229.50
3766765.00       28.90593
         437229.50    3766785.00       23.75160                  437229.50
3766805.00       19.60892
         437229.50    3766825.00       16.33449                  437229.50
3766845.00       13.75712
         437229.50    3766865.00       11.72325                  437249.50
3766465.00        9.95182
         437249.50    3766485.00       11.51157                  437249.50
3766505.00       13.49404
         437249.50    3766525.00       16.01936                  437249.50
3766545.00       19.22039
         437249.50    3766565.00       23.18403                  437249.50
3766585.00       27.84390
         437249.50    3766605.00       32.90583                  437249.50
3766625.00       37.76391
         437249.50    3766645.00       41.58553                  437249.50
3766665.00       43.55137
         437249.50    3766685.00       43.19235                  437249.50
3766705.00       40.60592
         437249.50    3766725.00       36.46529                  437249.50
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3766745.00       31.62245
         437249.50    3766765.00       26.81517                       437249.50
3766785.00       22.50228
         437249.50    3766805.00       18.85826                       437249.50
3766825.00       15.87468
         437249.50    3766845.00       13.46533                       437249.50
3766865.00       11.52800
         436849.50    3766915.00        6.15042                       436849.50
3766965.00        4.97650
         436849.50    3767015.00        4.09866                       436849.50
3767065.00        3.39754
         436849.50    3767115.00        2.52175                       436849.50
3767165.00        2.04599
         436899.50    3766915.00        7.01014                       436899.50
3766965.00        5.51069
         436899.50    3767015.00        4.44083                       436899.50
3767065.00        3.55889
         436899.50    3767115.00        2.65145                       436899.50
3767165.00        2.12869
         436949.50    3766915.00        7.81050                       436949.50
3766965.00        5.98350
         436949.50    3767015.00        4.65575                       436949.50
3767065.00        3.58071
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
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         437349.50    3767115.00        2.86365                      437349.50
3767165.00        2.36175
         437399.50    3766915.00        7.18391                      437399.50
3766965.00        5.57309
         437399.50    3767015.00        4.38855                      437399.50
3767065.00        3.49461
         437399.50    3767115.00        2.83380                      437399.50
3767165.00        2.35998
         437449.50    3766915.00        6.72097                      437449.50
3766965.00        5.35107
         437449.50    3767015.00        4.27287                      437449.50
3767065.00        3.45195
         437449.50    3767115.00        2.81741                      437449.50
3767165.00        2.35151
         437499.50    3766915.00        6.22222                      437499.50
3766965.00        5.10072
         437499.50    3767015.00        4.15301                      437499.50
3767065.00        3.39279
         437499.50    3767115.00        2.78717                      437499.50
3767165.00        2.32713
         437549.50    3766915.00        5.72100                      437549.50
3766965.00        4.82876
         437549.50    3767015.00        4.00213                      437549.50
3767065.00        3.30874
         437549.50    3767115.00        2.74733                      437549.50
3767165.00        2.30843
         437299.50    3766865.00       10.94609                      437299.50
3766815.00       15.57339
         437299.50    3766765.00       21.73579                      437299.50
3766715.00       27.44744
         437299.50    3766665.00       29.05773                      437299.50
3766615.00       25.09118
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437299.50	3766565.00	18.41259	437299.50	3766515.00	12.61607
437299.50	3766465.00	8.82327	437299.50	3766415.00	6.53110
437299.50	3766365.00	5.10356	437299.50	3766315.00	4.15017
437299.50	3766265.00	3.46596	437299.50	3766215.00	2.94401
437299.50	3766165.00	2.53837	437349.50	3766865.00	10.18132
437349.50	3766815.00	13.62099	437349.50	3766765.00	17.42300
437349.50	3766715.00	20.34969	437349.50	3766665.00	20.96823
437349.50	3766615.00	18.79802	437349.50	3766565.00	14.86899
437349.50	3766515.00	10.91048	437349.50	3766465.00	7.92575
437349.50	3766415.00	5.94600	437349.50	3766365.00	4.66264
437349.50	3766315.00	3.80656	437349.50	3766265.00	3.19980
437349.50	3766215.00	2.74288	437349.50	3766165.00	2.38340
437399.50	3766865.00	9.28141	437399.50	3766815.00	11.73912
437399.50	3766765.00	14.10274	437399.50	3766715.00	15.70881
437399.50	3766665.00	15.95485	437399.50	3766615.00	14.64371
437399.50	3766565.00	12.21448	437399.50	3766515.00	9.47244
437399.50	3766465.00	7.17331	437399.50	3766415.00	5.48190
437399.50	3766365.00	4.31234	437399.50	3766315.00	3.51898
437399.50	3766265.00	2.96264	437399.50	3766215.00	2.55296
437399.50	3766165.00	2.22983	437449.50		

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3766865.00        8.34254
         437449.50    3766815.00       10.04981                       437449.50
3766765.00       11.54965
         437449.50    3766715.00       12.50010                       437449.50
3766665.00       12.61000
         437449.50    3766615.00       11.76856                       437449.50
3766565.00       10.17775
         437449.50    3766515.00        8.24824                       437449.50
3766465.00        6.47891
         437449.50    3766415.00        5.06995                       437449.50
3766365.00        4.02052
         437449.50    3766315.00        3.28307                       437449.50
3766265.00        2.76081
         437449.50    3766215.00        2.37870                       437449.50
3766165.00        2.08688
         437499.50    3766865.00        7.43339                       437499.50
3766815.00        8.62235
         437499.50    3766765.00        9.59634                       437499.50
3766715.00       10.19449
         437499.50    3766665.00       10.25655                       437499.50
3766615.00        9.69076
         437499.50    3766565.00        8.60551                       437499.50
3766515.00        7.24538
         437499.50    3766465.00        5.87818                       437499.50
3766415.00        4.70451
         437499.50    3766365.00        3.78051                       437499.50
3766315.00        3.09770
         437499.50    3766265.00        2.59808                       437499.50
3766215.00        2.23272
         437499.50    3766165.00        1.95760                       437549.50
3766865.00        6.60679
         437549.50    3766815.00        7.44983                       437549.50
3766765.00        8.12096
         437549.50    3766715.00        8.51679                       437549.50
3766665.00        8.53917
         437549.50    3766615.00        8.13887                       437549.50
3766565.00        7.37011
         437549.50    3766515.00        6.37527                       437549.50
3766465.00        5.32513
         437549.50    3766415.00        4.36047                       437549.50
3766365.00        3.55720
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
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```
VALUES FOR SOURCE GROUP: COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         437549.50    3766315.00        2.93157                       437549.50
3766265.00        2.46020
         437549.50    3766215.00        2.10929                       437549.50
3766165.00        1.84504
         437249.50    3766415.00        7.28755                       437249.50
3766365.00        5.64510
         437249.50    3766315.00        4.54238                       437249.50
3766265.00        3.74911
         437249.50    3766215.00        3.15373                       437249.50
3766165.00        2.69060
         437199.50    3766415.00        8.17534                       437199.50
3766365.00        6.23682
         437199.50    3766315.00        4.93990                       437199.50
3766265.00        4.02093
         437199.50    3766215.00        3.34000                       437199.50
3766165.00        2.82366
         437149.50    3766415.00        9.07720                       437149.50
3766365.00        6.77626
         437149.50    3766315.00        5.27652                       437149.50
3766265.00        4.23994
         437149.50    3766215.00        3.48733                       437149.50
3766165.00        2.92344
         437099.50    3766415.00        9.81801                       437099.50
3766365.00        7.18212
         437099.50    3766315.00        5.50760                       437099.50
3766265.00        4.37614
         437099.50    3766215.00        3.57385                       437099.50
3766165.00        2.98067
         437049.50    3766415.00       10.18570                       437049.50
3766365.00        7.36374
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         437049.50    3766315.00        5.60575                    437049.50
3766265.00        4.42530
         437049.50    3766215.00        3.59891                    437049.50
3766165.00        2.99604
         436999.50    3766415.00       10.20595                    436999.50
3766365.00        7.33889
         436999.50    3766315.00        5.57503                    436999.50
3766265.00        4.39559
         436999.50    3766215.00        3.57577                    436999.50
3766165.00        2.97634
         436949.50    3766415.00        9.78855                    436949.50
3766365.00        7.12451
         436949.50    3766315.00        5.44512                    436949.50
3766265.00        4.31118
         436949.50    3766215.00        3.51788                    436949.50
3766165.00        2.93280
         436899.50    3766415.00        8.85727                    436899.50
3766365.00        6.69205
         436899.50    3766315.00        5.22079                    436899.50
3766265.00        4.18397
         436899.50    3766215.00        3.43805                    436899.50
3766165.00        2.88077
         436849.50    3766415.00        7.83518                    436849.50
3766365.00        6.18291
         436849.50    3766315.00        4.95919                    436849.50
3766265.00        4.05111
         436849.50    3766215.00        3.35268                    436849.50
3766165.00        2.82500
         436799.50    3766415.00        6.83753                    436799.50
3766365.00        5.63856
         436799.50    3766315.00        4.66163                    436799.50
3766265.00        3.88100
         436799.50    3766215.00        3.25031                    436799.50
3766165.00        2.75893
         436749.50    3766415.00        5.88273                    436749.50
3766365.00        5.03524
         436749.50    3766315.00        4.29013                    436749.50
3766265.00        3.64760
         436749.50    3766215.00        3.10720                    436749.50
3766165.00        2.66992
         436699.50    3766415.00        4.97473                    436699.50
3766365.00        4.39321
         436699.50    3766315.00        3.83896                    436699.50
3766265.00        3.36051
         436699.50    3766215.00        2.92147                    436699.50
3766165.00        2.55067
         436649.50    3766415.00        4.21566                    436649.50
3766365.00        3.81525
         436649.50    3766315.00        3.41226                    436649.50
3766265.00        3.05697
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43800 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: COST ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436649.50	3766215.00	2.71264	436649.50	3766165.00	2.40745
436599.50	3766415.00	3.59365	436599.50	3766365.00	3.31068
436599.50	3766315.00	3.02459	436599.50	3766265.00	2.75940
436599.50	3766215.00	2.49811	436599.50	3766165.00	2.25420
436549.50	3766415.00	3.09382	436549.50	3766365.00	2.88978
436549.50	3766315.00	2.67810	436549.50	3766265.00	2.46925
436549.50	3766215.00	2.26672	436549.50	3766165.00	2.07331
436799.50	3766465.00	8.27214	436799.50	3766515.00	9.83470
436799.50	3766565.00	11.30276	436799.50	3766615.00	12.25445
436799.50	3766665.00	12.22987	436799.50	3766715.00	11.21530
436799.50	3766765.00	9.58050	436799.50		

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3766815.00        7.90856
         436799.50    3766865.00        6.47523                    436799.50
3766915.00        5.32889
         436799.50    3766965.00        4.43302                    436799.50
3767015.00        3.72747
         436799.50    3767065.00        3.04310                    436799.50
3767115.00        2.37869
         436799.50    3767165.00        1.96359                    436749.50
3766465.00        6.78787
         436749.50    3766515.00        7.68528                    436749.50
3766565.00        8.43870
         436749.50    3766615.00        8.85806                    436749.50
3766665.00        8.80564
         436749.50    3766715.00        8.26153                    436749.50
3766765.00        7.37091
         436749.50    3766815.00        6.36717                    436749.50
3766865.00        5.41813
         436749.50    3766915.00        4.59785                    436749.50
3766965.00        3.91815
         436749.50    3767015.00        3.36177                    436749.50
3767065.00        2.78963
         436749.50    3767115.00        2.21374                    436749.50
3767165.00        1.86400
         436699.50    3766465.00        5.56916                    436699.50
3766515.00        6.11866
         436699.50    3766565.00        6.54959                    436699.50
3766615.00        6.77034
         436699.50    3766665.00        6.70780                    436699.50
3766715.00        6.38934
         436699.50    3766765.00        5.85054                    436699.50
3766815.00        5.21219
         436699.50    3766865.00        4.56747                    436699.50
3766915.00        3.97012
         436699.50    3766965.00        3.45529                    436699.50
3767015.00        3.01527
         436699.50    3767065.00        2.54593                    436699.50
3767115.00        2.03114
         436699.50    3767165.00        1.75843                    436649.50
3766465.00        4.61902
         436649.50    3766515.00        4.97351                    436649.50
3766565.00        5.23249
         436649.50    3766615.00        5.35939                    436649.50
3766665.00        5.30372
         436649.50    3766715.00        5.10105                    436649.50
3766765.00        4.75720
         436649.50    3766815.00        4.33661                    436649.50
3766865.00        3.88599
         436649.50    3766915.00        3.44794                    436649.50
3766965.00        3.05433
         436649.50    3767015.00        2.57593                    436649.50
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3767065.00        2.15829
         436649.50    3767115.00        1.84919                       436649.50
3767165.00        1.60863
         436599.50    3766465.00        3.85766                       436599.50
3766515.00        4.10146
         436599.50    3766565.00        4.27299                       436599.50
3766615.00        4.35070
         436599.50    3766665.00        4.31694                       436599.50
3766715.00        4.18027
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         436599.50    3766765.00        3.95077                       436599.50
3766815.00        3.65952
         436599.50    3766865.00        3.33931                       436599.50
3766915.00        3.01583
         436599.50    3766965.00        2.71172                       436599.50
3767015.00        2.35576
         436599.50    3767065.00        1.97717                       436599.50
3767115.00        1.72162
         436599.50    3767165.00        1.52560                       436549.50
3766465.00        3.28607
         436549.50    3766515.00        3.45347                       436549.50
3766565.00        3.56743
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         436549.50    3766615.00        3.61479                    436549.50
3766665.00        3.59020
         436549.50    3766715.00        3.49650                    436549.50
3766765.00        3.33730
         436549.50    3766815.00        3.13300                    436549.50
3766865.00        2.90045
         436549.50    3766915.00        2.65775                    436549.50
3766965.00        2.42192
         436549.50    3767015.00        2.20242                    436549.50
3767065.00        2.00202
         436549.50    3767115.00        1.80935                    436549.50
3767165.00        1.54978
         436549.50    3767265.00        1.20203                    436549.50
3767365.00        0.96679
         436549.50    3767465.00        0.80418                    436549.50
3767565.00        0.66950
         436549.50    3767665.00        0.56627                    436649.50
3767265.00        1.28477
         436649.50    3767365.00        1.01809                    436649.50
3767465.00        0.83030
         436649.50    3767565.00        0.68620                    436649.50
3767665.00        0.58119
         436749.50    3767265.00        1.40196                    436749.50
3767365.00        1.09271
         436749.50    3767465.00        0.87892                    436749.50
3767565.00        0.72090
         436749.50    3767665.00        0.59885                    436849.50
3767265.00        1.50553
         436849.50    3767365.00        1.17872                    436849.50
3767465.00        0.93691
         436849.50    3767565.00        0.75150                    436849.50
3767665.00        0.62566
         436949.50    3767265.00        1.62645                    436949.50
3767365.00        1.25374
         436949.50    3767465.00        0.98269                    436949.50
3767565.00        0.76660
         436949.50    3767665.00        0.63492                    437049.50
3767265.00        1.69255
         437049.50    3767365.00        1.28664                    437049.50
3767465.00        0.99562
         437049.50    3767565.00        0.77741                    437049.50
3767665.00        0.63680
         437149.50    3767265.00        1.66455                    437149.50
3767365.00        1.26019
         437149.50    3767465.00        0.98480                    437149.50
3767565.00        0.79306
         437149.50    3767665.00        0.65085                    437249.50
3767265.00        1.67196
         437249.50    3767365.00        1.25171                    437249.50
3767465.00        0.97640
```

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         437249.50    3767565.00        0.78867                      437249.50
3767665.00        0.65901
         437349.50    3767265.00        1.69573                      437349.50
3767365.00        1.27485
         437349.50    3767465.00        0.99799                      437349.50
3767565.00        0.79995
         437349.50    3767665.00        0.65545                      437449.50
3767265.00        1.68750
         437449.50    3767365.00        1.26529                      437449.50
3767465.00        0.99446
         437449.50    3767565.00        0.79174                      437449.50
3767665.00        0.65027
         437549.50    3767265.00        1.68275                      437549.50
3767365.00        1.26957
         437549.50    3767465.00        0.99149                      437549.50
3767565.00        0.79471
         437549.50    3767665.00        0.65147                      437649.50
3767265.00        1.67380
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         437649.50    3767365.00        1.27793                      437649.50
3767465.00        1.00389
         437649.50    3767565.00        0.80653                      437649.50
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3767665.00        0.66122
         437749.50    3767265.00        1.65439                    437749.50
3767365.00        1.27426
         437749.50    3767465.00        1.00375                    437749.50
3767565.00        0.81242
         437749.50    3767665.00        0.66740                    437849.50
3767265.00        1.60263
         437849.50    3767365.00        1.26539                    437849.50
3767465.00        1.01114
         437849.50    3767565.00        0.81834                    437849.50
3767665.00        0.67817
         437949.50    3767265.00        1.55726                    437949.50
3767365.00        1.24603
         437949.50    3767465.00        1.00549                    437949.50
3767565.00        0.82335
         437949.50    3767665.00        0.68413                    438049.50
3767265.00        1.48001
         438049.50    3767365.00        1.21206                    438049.50
3767465.00        0.99860
         438049.50    3767565.00        0.82594                    438049.50
3767665.00        0.69025
         437649.50    3767165.00        2.25265                    437649.50
3767065.00        3.13332
         437649.50    3766965.00        4.22799                    437649.50
3766865.00        5.28992
         437649.50    3766765.00        6.03688                    437649.50
3766665.00        6.23792
         437649.50    3766565.00        5.59286                    437649.50
3766465.00        4.37018
         437649.50    3766365.00        3.14373                    437649.50
3766265.00        2.23962
         437649.50    3766165.00        1.67365                    437649.50
3766065.00        1.33058
         437649.50    3765965.00        1.11065                    437649.50
3765865.00        0.95000
         437649.50    3765765.00        0.82527                    437649.50
3765665.00        0.72196
         437749.50    3767165.00        2.18149                    437749.50
3767065.00        2.86486
         437749.50    3766965.00        3.63494                    437749.50
3766865.00        4.31994
         437749.50    3766765.00        4.67283                    437749.50
3766665.00        4.78412
         437749.50    3766565.00        4.40041                    437749.50
3766465.00        3.62710
         437749.50    3766365.00        2.77540                    437749.50
3766265.00        2.05987
         437749.50    3766165.00        1.54903                    437749.50
3766065.00        1.22328
         437749.50    3765965.00        1.01494                    437749.50
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3765865.00        0.87098
         437749.50    3765765.00        0.76183                      437749.50
3765665.00        0.67294
         437849.50    3767165.00        2.05884                      437849.50
3767065.00        2.58486
         437849.50    3766965.00        3.11391                      437849.50
3766865.00        3.52947
         437849.50    3766765.00        3.74414                      437849.50
3766665.00        3.81288
         437849.50    3766565.00        3.56188                      437849.50
3766465.00        3.06015
         437849.50    3766365.00        2.45443                      437849.50
3766265.00        1.89058
         437849.50    3766165.00        1.45091                      437849.50
3766065.00        1.14426
         437849.50    3765965.00        0.94068                      437849.50
3765865.00        0.80270
         437849.50    3765765.00        0.70423                      437849.50
3765665.00        0.62501
         437949.50    3767165.00        1.92764                      437949.50
3767065.00        2.32091
         437949.50    3766965.00        2.67158                      437949.50
3766865.00        2.88374
         437949.50    3766765.00        3.08107                      437949.50
3766665.00        3.11850
         437949.50    3766565.00        2.95170                      437949.50
3766465.00        2.60837
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437949.50	3766365.00	2.17300	437949.50	3766265.00	1.73720
437949.50	3766165.00	1.36639	437949.50	3766065.00	1.08368
437949.50	3765965.00	0.88530	437949.50	3765865.00	0.74899
437949.50	3765765.00	0.65412	437949.50	3765665.00	0.58258
438049.50	3767165.00	1.77317	438049.50	3767065.00	2.06429
438049.50	3766965.00	2.31876	438049.50	3766865.00	2.46293
438049.50	3766765.00	2.58143	438049.50	3766665.00	2.60737
438049.50	3766565.00	2.49036	438049.50	3766465.00	2.24678
438049.50	3766365.00	1.92774	438049.50	3766265.00	1.58966
438049.50	3766165.00	1.28155	438049.50	3766065.00	1.03124
438049.50	3765965.00	0.84338	438049.50	3765865.00	0.70858
438049.50	3765765.00	0.61555	438049.50	3765665.00	0.54739
437549.50	3766065.00	1.47426	437549.50	3765965.00	1.22478
437549.50	3765865.00	1.03782	437549.50	3765765.00	0.88954
437549.50	3765665.00	0.77058	437449.50	3766065.00	1.65685
437449.50	3765965.00	1.35262	437449.50	3765865.00	1.12820
437449.50	3765765.00	0.95276	437449.50	3765665.00	0.81543
437349.50	3766065.00	1.84991	437349.50	3765965.00	1.48114
437349.50	3765865.00	1.21498	437349.50	3765765.00	1.01260
437349.50	3765665.00	0.85594	437249.50	3766065.00	2.02888
437249.50	3765965.00	1.58788	437249.50	3765865.00	1.28198
437249.50	3765765.00	1.05624	437249.50	3765665.00	0.88517

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         437149.50    3766065.00        2.15072                      437149.50
3765965.00        1.65741
         437149.50    3765865.00        1.32129                      437149.50
3765765.00        1.07914
         437149.50    3765665.00        0.90230                      437049.50
3766065.00        2.18517
         437049.50    3765965.00        1.67553                      437049.50
3765865.00        1.33159
         437049.50    3765765.00        1.08536                      437049.50
3765665.00        0.90556
         436949.50    3766065.00        2.14566                      436949.50
3765965.00        1.63827
         436949.50    3765865.00        1.31263                      436949.50
3765765.00        1.07137
         436949.50    3765665.00        0.89409                      436849.50
3766065.00        2.07581
         436849.50    3765965.00        1.59374                      436849.50
3765865.00        1.28144
         436849.50    3765765.00        1.04626                      436849.50
3765665.00        0.87324
         436749.50    3766065.00        2.00502                      436749.50
3765965.00        1.54415
         436749.50    3765865.00        1.24830                      436749.50
3765765.00        1.01624
         436749.50    3765665.00        0.84989                      436649.50
3766065.00        1.88660
         436649.50    3765965.00        1.49566                      436649.50
3765865.00        1.21534
         436649.50    3765765.00        0.98779                      436649.50
3765665.00        0.83041
         436549.50    3766065.00        1.71603                      436549.50
3765965.00        1.40907
         436549.50    3765865.00        1.17044                      436549.50
3765765.00        0.95676
         436549.50    3765665.00        0.81257                      436449.50
3766065.00        1.51636
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         436449.50    3765965.00        1.29603                       436449.50
3765865.00        1.10632
         436449.50    3765765.00        0.92842                       436449.50
3765665.00        0.79498
         436349.50    3766065.00        1.32105                       436349.50
3765965.00        1.16733
         436349.50    3765865.00        1.02438                       436349.50
3765765.00        0.88869
         436349.50    3765665.00        0.77327                       436249.50
3766065.00        1.14605
         436249.50    3765965.00        1.03553                       436249.50
3765865.00        0.93103
         436249.50    3765765.00        0.81869                       436249.50
3765665.00        0.72587
         436149.50    3766065.00        0.99763                       436149.50
3765965.00        0.91559
         436149.50    3765865.00        0.83631                       436149.50
3765765.00        0.74772
         436149.50    3765665.00        0.67763                       436049.50
3766065.00        0.87523
         436049.50    3765965.00        0.81457                       436049.50
3765865.00        0.75295
         436049.50    3765765.00        0.68562                       436049.50
3765665.00        0.63031
         436449.50    3766165.00        1.75349                       436449.50
3766265.00        2.00165
         436449.50    3766365.00        2.25223                       436449.50
3766465.00        2.47347
         436449.50    3766565.00        2.61614                       436449.50
3766665.00        2.61091
         436449.50    3766765.00        2.47822                       436449.50
3766865.00        2.24195
         436449.50    3766965.00        1.95329                       436449.50
3767065.00        1.67179
         436449.50    3767165.00        1.36807                       436449.50
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3767265.00        1.07821
         436449.50    3767365.00        0.89878                    436449.50
3767465.00        0.74681
         436449.50    3767565.00        0.63866                    436449.50
3767665.00        0.53933
         436349.50    3766165.00        1.48141                    436349.50
3766265.00        1.64471
         436349.50    3766365.00        1.80163                    436349.50
3766465.00        1.93056
         436349.50    3766565.00        2.00274                    436349.50
3766665.00        2.00005
         436349.50    3766765.00        1.92199                    436349.50
3766865.00        1.78339
         436349.50    3766965.00        1.60269                    436349.50
3767065.00        1.41060
         436349.50    3767165.00        1.22820                    436349.50
3767265.00        0.96482
         436349.50    3767365.00        0.81228                    436349.50
3767465.00        0.69564
         436349.50    3767565.00        0.59819                    436349.50
3767665.00        0.51672
         436249.50    3766165.00        1.25730                    436249.50
3766265.00        1.37284
         436249.50    3766365.00        1.47748                    436249.50
3766465.00        1.55355
         436249.50    3766565.00        1.59249                    436249.50
3766665.00        1.59053
         436249.50    3766765.00        1.53961                    436249.50
3766865.00        1.45464
         436249.50    3766965.00        1.33641                    436249.50
3767065.00        1.20320
         436249.50    3767165.00        1.07174                    436249.50
3767265.00        0.87993
         436249.50    3767365.00        0.73658                    436249.50
3767465.00        0.64914
         436249.50    3767565.00        0.56497                    436249.50
3767665.00        0.49257
         436149.50    3766165.00        1.07996                    436149.50
3766265.00        1.15918
         436149.50    3766365.00        1.23315                    436149.50
3766465.00        1.28241
         436149.50    3766565.00        1.30868                    436149.50
3766665.00        1.30340
         436149.50    3766765.00        1.26887                    436149.50
3766865.00        1.21120
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43800 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: COST ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436149.50	3766965.00	1.13084	436149.50	3767065.00	1.03654
436149.50	3767165.00	0.93888	436149.50	3767265.00	0.79334
436149.50	3767365.00	0.66935	436149.50	3767465.00	0.59151
436149.50	3767565.00	0.52177	436149.50	3767665.00	0.45660
436049.50	3766165.00	0.93734	436049.50	3766265.00	0.99343
436049.50	3766365.00	1.04534	436049.50	3766465.00	1.07835
436049.50	3766565.00	1.09520	436049.50	3766665.00	1.08897
436049.50	3766765.00	1.06519	436049.50	3766865.00	1.02472
436049.50	3766965.00	0.96942	436049.50	3767065.00	0.90130
436049.50	3767165.00	0.82787	436049.50	3767265.00	0.71345
436049.50	3767365.00	0.59722	436049.50	3767465.00	0.53062
436049.50	3767565.00	0.47220	436049.50	3767665.00	0.42527
436049.50	3767865.00	0.34140	436049.50	3768065.00	0.27836

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        436049.50    3768265.00        0.22738                    436049.50
3768465.00        0.18809
        436049.50    3768665.00        0.15854                    436249.50
3767865.00        0.37301
        436249.50    3768065.00        0.29551                    436249.50
3768265.00        0.23973
        436249.50    3768465.00        0.19655                    436249.50
3768665.00        0.16379
        436449.50    3767865.00        0.40396                    436449.50
3768065.00        0.31290
        436449.50    3768265.00        0.24884                    436449.50
3768465.00        0.20275
        436449.50    3768665.00        0.16753                    436649.50
3767865.00        0.42559
        436649.50    3768065.00        0.32414                    436649.50
3768265.00        0.25250
        436649.50    3768465.00        0.20917                    436649.50
3768665.00        0.17172
        436849.50    3767865.00        0.44686                    436849.50
3768065.00        0.33314
        436849.50    3768265.00        0.26237                    436849.50
3768465.00        0.21253
        436849.50    3768665.00        0.17427                    437049.50
3767865.00        0.46036
        437049.50    3768065.00        0.34237                    437049.50
3768265.00        0.26694
        437049.50    3768465.00        0.21329                    437049.50
3768665.00        0.17399
        437249.50    3767865.00        0.47143                    437249.50
3768065.00        0.35334
        437249.50    3768265.00        0.27610                    437249.50
3768465.00        0.22169
        437249.50    3768665.00        0.18022                    437449.50
3767865.00        0.47325
        437449.50    3768065.00        0.35790                    437449.50
3768265.00        0.28177
        437449.50    3768465.00        0.22593                    437449.50
3768665.00        0.18626
        437649.50    3767865.00        0.46719                    437649.50
3768065.00        0.35054
        437649.50    3768265.00        0.27622                    437649.50
3768465.00        0.22629
        437649.50    3768665.00        0.18805                    437849.50
3767865.00        0.48069
        437849.50    3768065.00        0.35535                    437849.50
3768265.00        0.27401
        437849.50    3768465.00        0.22152                    437849.50
3768665.00        0.18253
        438049.50    3767865.00        0.49434                    438049.50
3768065.00        0.36795
```

*** THE PERIOD (43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
438249.50	3768065.00	0.38141	438249.50	3768265.00	0.29071
438249.50	3768465.00	0.23005	438249.50	3768665.00	0.18595
438449.50	3767865.00	0.49551	438449.50	3768065.00	0.38007
438449.50	3768265.00	0.29835	438449.50	3768465.00	0.23460
438449.50	3768665.00	0.19019	438649.50	3767865.00	0.48492
438649.50	3768065.00	0.37908	438649.50	3768265.00	0.29953
438649.50	3768465.00	0.24081	438649.50	3768665.00	0.19364
438849.50	3767865.00	0.46810	438849.50	3768065.00	0.37251
438849.50	3768265.00	0.29939	438849.50		

```
3768465.00        0.24369
         438849.50    3768665.00        0.19977                    439049.50
3767865.00        0.44858
         439049.50    3768065.00        0.36365                    439049.50
3768265.00        0.29532
         439049.50    3768465.00        0.24175                    439049.50
3768665.00        0.20203
         438249.50    3767665.00        0.67612                    438249.50
3767465.00        0.94882
         438249.50    3767265.00        1.29798                    438249.50
3767065.00        1.63650
         438249.50    3766865.00        1.91019                    438249.50
3766665.00        1.91668
         438249.50    3766465.00        1.72063                    438249.50
3766265.00        1.32586
         438249.50    3766065.00        0.93283                    438249.50
3765865.00        0.65245
         438249.50    3765665.00        0.49410                    438249.50
3765465.00        0.39908
         438249.50    3765265.00        0.33995                    438249.50
3765065.00        0.29293
         438249.50    3764865.00        0.25611                    438249.50
3764665.00        0.22550
         438449.50    3767665.00        0.65940                    438449.50
3767465.00        0.87659
         438449.50    3767265.00        1.11172                    438449.50
3767065.00        1.33106
         438449.50    3766865.00        1.48361                    438449.50
3766665.00        1.51649
         438449.50    3766465.00        1.36305                    438449.50
3766265.00        1.11270
         438449.50    3766065.00        0.83909                    438449.50
3765865.00        0.61106
         438449.50    3765665.00        0.45901                    438449.50
3765465.00        0.36483
         438449.50    3765265.00        0.30836                    438449.50
3765065.00        0.26853
         438449.50    3764865.00        0.23714                    438449.50
3764665.00        0.21041
         438649.50    3767665.00        0.62965                    438649.50
3767465.00        0.79521
         438649.50    3767265.00        0.95447                    438649.50
3767065.00        1.10045
         438649.50    3766865.00        1.16239                    438649.50
3766665.00        1.18476
         438649.50    3766465.00        1.10965                    438649.50
3766265.00        0.94605
         438649.50    3766065.00        0.75112                    438649.50
3765865.00        0.57113
         438649.50    3765665.00        0.43463                    438649.50
```

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3765465.00        0.34048
         438649.50    3765265.00        0.28408                      438649.50
3765065.00        0.24641
         438649.50    3764865.00        0.21835                      438649.50
3764665.00        0.19573
         438849.50    3767665.00        0.58482                      438849.50
3767465.00        0.70752
         438849.50    3767265.00        0.81901                      438849.50
3767065.00        0.92671
         438849.50    3766865.00        1.00522                      438849.50
3766665.00        0.97365
         438849.50    3766465.00        0.92353                      438849.50
3766265.00        0.81053
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         438849.50    3766065.00        0.67009                      438849.50
3765865.00        0.53129
         438849.50    3765665.00        0.41273                      438849.50
3765465.00        0.32402
         438849.50    3765265.00        0.26615                      438849.50
3765065.00        0.22816
         438849.50    3764865.00        0.20190                      438849.50
3764665.00        0.18181
```

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         439049.50    3767665.00        0.54149                    439049.50
3767465.00        0.62931
         439049.50    3767265.00        0.71404                    439049.50
3767065.00        0.79360
         439049.50    3766865.00        0.85761                    439049.50
3766665.00        0.81733
         439049.50    3766465.00        0.78258                    439049.50
3766265.00        0.70162
         439049.50    3766065.00        0.59745                    439049.50
3765865.00        0.48983
         439049.50    3765665.00        0.39249                    439049.50
3765465.00        0.31143
         439049.50    3765265.00        0.25349                    439049.50
3765065.00        0.21486
         439049.50    3764865.00        0.18842                    439049.50
3764665.00        0.16960
         438049.50    3765465.00        0.44729                    438049.50
3765265.00        0.37673
         438049.50    3765065.00        0.32057                    438049.50
3764865.00        0.27655
         438049.50    3764665.00        0.24062                    437849.50
3765465.00        0.50522
         437849.50    3765265.00        0.41577                    437849.50
3765065.00        0.34866
         437849.50    3764865.00        0.29676                    437849.50
3764665.00        0.25459
         437649.50    3765465.00        0.56606                    437649.50
3765265.00        0.45503
         437649.50    3765065.00        0.37415                    437649.50
3764865.00        0.31367
         437649.50    3764665.00        0.26729                    437449.50
3765465.00        0.61997
         437449.50    3765265.00        0.48761                    437449.50
3765065.00        0.39475
         437449.50    3764865.00        0.32707                    437449.50
3764665.00        0.27635
         437249.50    3765465.00        0.65944                    437249.50
3765265.00        0.50993
         437249.50    3765065.00        0.40762                    437249.50
3764865.00        0.33534
         437249.50    3764665.00        0.28197                    437049.50
3765465.00        0.66832
         437049.50    3765265.00        0.51443                    437049.50
3765065.00        0.41104
         437049.50    3764865.00        0.33764                    437049.50
3764665.00        0.28292
         436849.50    3765465.00        0.64814                    436849.50
3765265.00        0.50352
         436849.50    3765065.00        0.40360                    436849.50
3764865.00        0.33187
```

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         436849.50    3764665.00        0.27874                      436649.50
3765465.00        0.62233
         436649.50    3765265.00        0.48267                      436649.50
3765065.00        0.38956
         436649.50    3764865.00        0.32208                      436649.50
3764665.00        0.27135
         436449.50    3765465.00        0.60449                      436449.50
3765265.00        0.46867
         436449.50    3765065.00        0.37639                      436449.50
3764865.00        0.31119
         436449.50    3764665.00        0.26259                      436249.50
3765465.00        0.57886
         436249.50    3765265.00        0.45843                      436249.50
3765065.00        0.36964
         436249.50    3764865.00        0.30473                      436249.50
3764665.00        0.25623
         436049.50    3765465.00        0.53078                      436049.50
3765265.00        0.43878
         436049.50    3765065.00        0.36216                      436049.50
3764865.00        0.30082
         436049.50    3764665.00        0.25325                      435849.50
3765465.00        0.46805
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         435849.50    3765265.00        0.40340                    435849.50
3765065.00        0.34447
         435849.50    3764865.00        0.29341                    435849.50
3764665.00        0.25030
         435649.50    3765465.00        0.40671                    435649.50
3765265.00        0.36136
         435649.50    3765065.00        0.31783                    435649.50
3764865.00        0.27875
         435649.50    3764665.00        0.24314                    435449.50
3765465.00        0.35295
         435449.50    3765265.00        0.32028                    435449.50
3765065.00        0.28939
         435449.50    3764865.00        0.25880                    435449.50
3764665.00        0.23085
         435249.50    3765465.00        0.30824                    435249.50
3765265.00        0.28375
         435249.50    3765065.00        0.25985                    435249.50
3764865.00        0.23709
         435249.50    3764665.00        0.21498                    435049.50
3765465.00        0.27166
         435049.50    3765265.00        0.25266                    435049.50
3765065.00        0.23400
         435049.50    3764865.00        0.21620                    435049.50
3764665.00        0.19872
         435849.50    3765665.00        0.53586                    435849.50
3765865.00        0.61204
         435849.50    3766065.00        0.68701                    435849.50
3766265.00        0.75484
         435849.50    3766465.00        0.79551                    435849.50
3766665.00        0.80219
         435849.50    3766865.00        0.76760                    435849.50
3767065.00        0.69864
         435849.50    3767265.00        0.58507                    435849.50
3767465.00        0.44996
         435849.50    3767665.00        0.36834                    435849.50
3767865.00        0.31004
         435849.50    3768065.00        0.26083                    435849.50
3768265.00        0.21655
         435849.50    3768465.00        0.18401                    435849.50
3768665.00        0.15638
         435649.50    3765665.00        0.45313                    435649.50
3765865.00        0.50456
         435649.50    3766065.00        0.55237                    435649.50
3766265.00        0.59310
         435649.50    3766465.00        0.61712                    435649.50
3766665.00        0.61935
         435649.50    3766865.00        0.59794                    435649.50
3767065.00        0.55786
         435649.50    3767265.00        0.50324                    435649.50
```

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3767465.00        0.39818
         435649.50    3767665.00        0.32774                      435649.50
3767865.00        0.28048
         435649.50    3768065.00        0.24044                      435649.50
3768265.00        0.20734
         435649.50    3768465.00        0.17697                      435649.50
3768665.00        0.15233
         435449.50    3765665.00        0.38580                      435449.50
3765865.00        0.42199
         435449.50    3766065.00        0.45404                      435449.50
3766265.00        0.47888
         435449.50    3766465.00        0.49374                      435449.50
3766665.00        0.49406
         435449.50    3766865.00        0.48099                      435449.50
3767065.00        0.45577
         435449.50    3767265.00        0.42092                      435449.50
3767465.00        0.37977
         435449.50    3767665.00        0.29695                      435449.50
3767865.00        0.25393
         435449.50    3768065.00        0.22262                      435449.50
3768265.00        0.19416
         435449.50    3768465.00        0.16854                      435449.50
3768665.00        0.14606
         435249.50    3765665.00        0.33257                      435249.50
3765865.00        0.35855
         435249.50    3766065.00        0.38006                      435249.50
3766265.00        0.39722
         435249.50    3766465.00        0.40508                      435249.50
3766665.00        0.40611
         435249.50    3766865.00        0.39700                      435249.50
3767065.00        0.38014
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST     ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         435249.50    3767265.00        0.35686                        435249.50
3767465.00        0.32803
         435249.50    3767665.00        0.27337                        435249.50
3767865.00        0.23293
         435249.50    3768065.00        0.20147                        435249.50
3768265.00        0.17928
         435249.50    3768465.00        0.15833                        435249.50
3768665.00        0.13908
         435049.50    3765665.00        0.28959                        435049.50
3765865.00        0.30870
         435049.50    3766065.00        0.32423                        435049.50
3766265.00        0.33577
         435049.50    3766465.00        0.34140                        435049.50
3766665.00        0.34082
         435049.50    3766865.00        0.33476                        435049.50
3767065.00        0.32279
         435049.50    3767265.00        0.30635                        435049.50
3767465.00        0.28590
         435049.50    3767665.00        0.25638                        435049.50
3767865.00        0.21098
         435049.50    3768065.00        0.18406                        435049.50
3768265.00        0.16367
         435049.50    3768465.00        0.14654                        435049.50
3768665.00        0.13277
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
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                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         436849.50    3766465.00       10.07904                      436849.50
3766485.00       11.14363
         436849.50    3766505.00       12.28237                      436849.50
3766525.00       13.50091
         436849.50    3766545.00       14.76021                      436849.50
3766565.00       16.00246
         436849.50    3766585.00       17.16911                      436849.50
3766605.00       18.12862
         436849.50    3766625.00       18.73927                      436849.50
3766645.00       18.91701
         436849.50    3766665.00       18.62974                      436849.50
3766685.00       17.95047
         436849.50    3766705.00       16.89869                      436849.50
3766725.00       15.61411
         436849.50    3766745.00       14.23187                      436849.50
3766765.00       12.88780
         436849.50    3766785.00       11.63215                      436849.50
3766805.00       10.48757
         436849.50    3766825.00        9.46447                      436849.50
3766845.00        8.55887
         436849.50    3766865.00        7.75910                      436869.50
3766465.00       10.91026
         436869.50    3766485.00       12.23208                      436869.50
3766505.00       13.67316
         436869.50    3766525.00       15.27133                      436869.50
3766545.00       16.99750
         436869.50    3766565.00       18.79227                      436869.50
3766585.00       20.53577
         436869.50    3766725.00       18.39995                      436869.50
3766745.00       16.46182
         436869.50    3766765.00       14.65302                      436869.50
3766785.00       13.02593
         436869.50    3766805.00       11.59191                      436869.50
3766825.00       10.34492
         436869.50    3766845.00        9.26549                      436869.50
3766865.00        8.32965
         436889.50    3766465.00       11.80265                      436889.50
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3766485.00       13.42478
         436889.50    3766545.00       19.71929                       436889.50
3766565.00       22.35621
         436889.50    3766585.00       25.06985                       436889.50
3766725.00       22.00178
         436889.50    3766745.00       19.20743                       436889.50
3766765.00       16.73547
         436889.50    3766785.00       14.61279                       436889.50
3766805.00       12.81318
         436889.50    3766825.00       11.29537                       436889.50
3766845.00       10.01312
         436889.50    3766865.00        8.92205                       436909.50
3766465.00       12.70868
         436909.50    3766485.00       14.64883                       436909.50
3766725.00       26.70901
         436909.50    3766745.00       22.57849                       436909.50
3766765.00       19.16446
         436909.50    3766785.00       16.38704                       436909.50
3766805.00       14.13273
         436909.50    3766825.00       12.29363                       436909.50
3766845.00       10.78042
         436909.50    3766865.00        9.52068                       436929.50
3766465.00       13.48105
         436929.50    3766485.00       15.71484                       436929.50
3766725.00       32.89166
         436929.50    3766745.00       26.63370                       436929.50
3766765.00       21.91130
         436929.50    3766785.00       18.30954                       436929.50
3766805.00       15.51564
         436929.50    3766825.00       13.31258                       436929.50
3766845.00       11.54652
         436929.50    3766865.00       10.11037                       436949.50
3766465.00       14.14497
         436949.50    3766485.00       16.66596                       436949.50
3766725.00       40.70151
         436949.50    3766745.00       31.26158                       436949.50
3766765.00       24.86612
         436949.50    3766785.00       20.29178                       436949.50
3766805.00       16.90361
         436949.50    3766825.00       14.31498                       436949.50
3766845.00       12.28846
         436949.50    3766865.00       10.67494                       436969.50
3766725.00       49.38970
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43800 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436969.50	3766745.00	36.06831	436969.50	3766765.00	27.81135
436969.50	3766785.00	22.20805	436969.50	3766805.00	18.22587
436969.50	3766825.00	15.25918	436969.50	3766845.00	12.98031
436969.50	3766865.00	11.19552	436989.50	3766725.00	57.68009
436989.50	3766745.00	40.58679	436989.50	3766765.00	30.53219
436989.50	3766785.00	23.93362	436989.50	3766805.00	19.41456
436989.50	3766825.00	16.10678	436989.50	3766845.00	13.59885
436989.50	3766865.00	11.65349	437009.50	3766785.00	25.46371
437009.50	3766805.00	20.40450	437009.50	3766825.00	16.78854
437009.50	3766845.00	14.10533	437009.50	3766865.00	12.02723
437029.50	3766785.00	26.73793	437029.50	3766805.00	21.21663
437029.50	3766825.00	17.33069	437029.50	3766845.00	14.48448
437029.50	3766865.00	12.30607	437049.50	3766785.00	27.73110
437049.50	3766805.00	21.79550	437049.50	3766825.00	17.67921

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         437049.50    3766845.00       14.70181                    437049.50
3766865.00       12.47747
         437069.50    3766785.00       28.41083                    437069.50
3766805.00       22.14445
         437069.50    3766825.00       17.84671                    437069.50
3766845.00       14.69694
         437069.50    3766865.00       12.55169                    437089.50
3766785.00       28.76077
         437089.50    3766805.00       22.40719                    437089.50
3766825.00       18.03244
         437089.50    3766845.00       14.88969                    437089.50
3766865.00       12.59409
         437109.50    3766785.00       28.72581                    437109.50
3766805.00       22.42582
         437109.50    3766825.00       18.05652                    437109.50
3766845.00       14.90514
         437109.50    3766865.00       12.57196                    437129.50
3766785.00       28.34748
         437129.50    3766805.00       22.23159                    437129.50
3766825.00       17.93748
         437129.50    3766845.00       14.82024                    437129.50
3766865.00       12.49248
         437149.50    3766785.00       27.70295                    437149.50
3766805.00       21.87710
         437149.50    3766825.00       17.71612                    437149.50
3766845.00       14.66627
         437149.50    3766865.00       12.37287                    437169.50
3766785.00       26.87895
         437169.50    3766805.00       21.41575                    437169.50
3766825.00       17.43344
         437169.50    3766845.00       14.47366                    437169.50
3766865.00       12.23003
         437189.50    3766465.00       11.67967                    437189.50
3766485.00       13.66386
         437189.50    3766505.00       16.27449                    437189.50
3766525.00       19.79458
         437189.50    3766545.00       24.64142                    437189.50
3766565.00       31.44262
         437189.50    3766585.00       40.97730                    437189.50
3766605.00       53.60133
         437189.50    3766625.00       67.76662                    437189.50
3766645.00       79.00996
         437189.50    3766665.00       83.34547                    437189.50
3766685.00       79.51368
         437189.50    3766705.00       68.33495                    437189.50
3766725.00       54.33471
         437189.50    3766745.00       42.08508                    437189.50
3766765.00       32.78585
         437189.50    3766785.00       25.93954                    437189.50
3766805.00       20.88172
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         437189.50    3766825.00       17.10827                      437189.50
3766845.00       14.25616
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         437189.50    3766865.00       12.07062                      437209.50
3766465.00       11.05600
         437209.50    3766485.00       12.87699                      437209.50
3766505.00       15.24438
         437209.50    3766525.00       18.37861                      437209.50
3766545.00       22.58632
         437209.50    3766565.00       28.25695                      437209.50
3766585.00       35.69709
         437209.50    3766605.00       44.75514                      437209.50
3766625.00       54.26467
         437209.50    3766645.00       61.94935                      437209.50
3766665.00       65.42389
         437209.50    3766685.00       63.54426                      437209.50
3766705.00       56.86006
         437209.50    3766725.00       47.69559                      437209.50
3766745.00       38.58420
         437209.50    3766765.00       30.91499                      437209.50
3766785.00       24.90053
         437209.50    3766805.00       20.28168                      437209.50
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3766825.00       16.74347
         437209.50    3766845.00       14.01886                  437209.50
3766865.00       11.90263
         437229.50    3766465.00       10.47838                  437229.50
3766485.00       12.15988
         437229.50    3766505.00       14.32279                  437229.50
3766525.00       17.13212
         437229.50    3766545.00       20.80268                  437229.50
3766565.00       25.54111
         437229.50    3766585.00       31.40028                  437229.50
3766605.00       38.08869
         437229.50    3766625.00       44.77913                  437229.50
3766645.00       50.13875
         437229.50    3766665.00       52.76710                  437229.50
3766685.00       51.91378
         437229.50    3766705.00       47.80215                  437229.50
3766725.00       41.69236
         437229.50    3766745.00       35.03969                  437229.50
3766765.00       28.90593
         437229.50    3766785.00       23.75160                  437229.50
3766805.00       19.60892
         437229.50    3766825.00       16.33449                  437229.50
3766845.00       13.75712
         437229.50    3766865.00       11.72325                  437249.50
3766465.00        9.95182
         437249.50    3766485.00       11.51157                  437249.50
3766505.00       13.49404
         437249.50    3766525.00       16.01936                  437249.50
3766545.00       19.22039
         437249.50    3766565.00       23.18403                  437249.50
3766585.00       27.84390
         437249.50    3766605.00       32.90583                  437249.50
3766625.00       37.76391
         437249.50    3766645.00       41.58553                  437249.50
3766665.00       43.55137
         437249.50    3766685.00       43.19235                  437249.50
3766705.00       40.60592
         437249.50    3766725.00       36.46529                  437249.50
3766745.00       31.62245
         437249.50    3766765.00       26.81517                  437249.50
3766785.00       22.50228
         437249.50    3766805.00       18.85826                  437249.50
3766825.00       15.87468
         437249.50    3766845.00       13.46533                  437249.50
3766865.00       11.52800
         436849.50    3766915.00        6.15042                  436849.50
3766965.00        4.97650
         436849.50    3767015.00        4.09866                  436849.50
3767065.00        3.39754
         436849.50    3767115.00        2.52175                  436849.50
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3767165.00        2.04599
         436899.50    3766915.00        7.01014                      436899.50
3766965.00        5.51069
         436899.50    3767015.00        4.44083                      436899.50
3767065.00        3.55889
         436899.50    3767115.00        2.65145                      436899.50
3767165.00        2.12869
         436949.50    3766915.00        7.81050                      436949.50
3766965.00        5.98350
         436949.50    3767015.00        4.65575                      436949.50
3767065.00        3.58071
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         436949.50    3767115.00        2.78549                      436949.50
3767165.00        2.22486
         436999.50    3766915.00        8.42357                      436999.50
3766965.00        6.33508
         436999.50    3767015.00        4.41650                      436999.50
3767065.00        3.42395
         436999.50    3767115.00        2.79816                      436999.50
3767165.00        2.30538
         437049.50    3766915.00        8.74311                      437049.50
3766965.00        6.50935
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         437049.50    3767015.00        4.38794                    437049.50
3767065.00        3.44449
         437049.50    3767115.00        2.79055                    437049.50
3767165.00        2.31531
         437099.50    3766915.00        8.77111                    437099.50
3766965.00        6.52227
         437099.50    3767015.00        4.51862                    437099.50
3767065.00        3.51260
         437099.50    3767115.00        2.82661                    437099.50
3767165.00        2.32909
         437149.50    3766915.00        8.61670                    437149.50
3766965.00        6.40409
         437149.50    3767015.00        4.70469                    437149.50
3767065.00        3.55419
         437149.50    3767115.00        2.82445                    437149.50
3767165.00        2.32606
         437199.50    3766915.00        8.38578                    437199.50
3766965.00        6.24567
         437199.50    3767015.00        4.77481                    437199.50
3767065.00        3.55467
         437199.50    3767115.00        2.79930                    437199.50
3767165.00        2.31914
         437249.50    3766915.00        8.15080                    437249.50
3766965.00        6.05056
         437249.50    3767015.00        4.60860                    437249.50
3767065.00        3.54890
         437249.50    3767115.00        2.82816                    437249.50
3767165.00        2.32869
         437299.50    3766915.00        7.90345                    437299.50
3766965.00        5.94218
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3767065.00        3.59230
         437299.50    3767115.00        2.83931                    437299.50
3767165.00        2.33868
         437349.50    3766915.00        7.59000                    437349.50
3766965.00        5.76090
         437349.50    3767015.00        4.50053                    437349.50
3767065.00        3.56841
         437349.50    3767115.00        2.86365                    437349.50
3767165.00        2.36175
         437399.50    3766915.00        7.18391                    437399.50
3766965.00        5.57309
         437399.50    3767015.00        4.38855                    437399.50
3767065.00        3.49461
         437399.50    3767115.00        2.83380                    437399.50
3767165.00        2.35998
         437449.50    3766915.00        6.72097                    437449.50
3766965.00        5.35107
         437449.50    3767015.00        4.27287                    437449.50
3767065.00        3.45195
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         437449.50    3767115.00        2.81741                      437449.50
3767165.00        2.35151
         437499.50    3766915.00        6.22222                      437499.50
3766965.00        5.10072
         437499.50    3767015.00        4.15301                      437499.50
3767065.00        3.39279
         437499.50    3767115.00        2.78717                      437499.50
3767165.00        2.32713
         437549.50    3766915.00        5.72100                      437549.50
3766965.00        4.82876
         437549.50    3767015.00        4.00213                      437549.50
3767065.00        3.30874
         437549.50    3767115.00        2.74733                      437549.50
3767165.00        2.30843
         437299.50    3766865.00       10.94609                      437299.50
3766815.00       15.57339
         437299.50    3766765.00       21.73579                      437299.50
3766715.00       27.44744
         437299.50    3766665.00       29.05773                      437299.50
3766615.00       25.09118
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         437299.50    3766565.00       18.41259                      437299.50
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3766515.00       12.61607
         437299.50    3766465.00        8.82327                    437299.50
3766415.00        6.53110
         437299.50    3766365.00        5.10356                    437299.50
3766315.00        4.15017
         437299.50    3766265.00        3.46596                    437299.50
3766215.00        2.94401
         437299.50    3766165.00        2.53837                    437349.50
3766865.00       10.18132
         437349.50    3766815.00       13.62099                    437349.50
3766765.00       17.42300
         437349.50    3766715.00       20.34969                    437349.50
3766665.00       20.96823
         437349.50    3766615.00       18.79802                    437349.50
3766565.00       14.86899
         437349.50    3766515.00       10.91048                    437349.50
3766465.00        7.92575
         437349.50    3766415.00        5.94600                    437349.50
3766365.00        4.66264
         437349.50    3766315.00        3.80656                    437349.50
3766265.00        3.19980
         437349.50    3766215.00        2.74288                    437349.50
3766165.00        2.38340
         437399.50    3766865.00        9.28141                    437399.50
3766815.00       11.73912
         437399.50    3766765.00       14.10274                    437399.50
3766715.00       15.70881
         437399.50    3766665.00       15.95485                    437399.50
3766615.00       14.64371
         437399.50    3766565.00       12.21448                    437399.50
3766515.00        9.47244
         437399.50    3766465.00        7.17331                    437399.50
3766415.00        5.48190
         437399.50    3766365.00        4.31234                    437399.50
3766315.00        3.51898
         437399.50    3766265.00        2.96264                    437399.50
3766215.00        2.55296
         437399.50    3766165.00        2.22983                    437449.50
3766865.00        8.34254
         437449.50    3766815.00       10.04981                    437449.50
3766765.00       11.54965
         437449.50    3766715.00       12.50010                    437449.50
3766665.00       12.61000
         437449.50    3766615.00       11.76856                    437449.50
3766565.00       10.17775
         437449.50    3766515.00        8.24824                    437449.50
3766465.00        6.47891
         437449.50    3766415.00        5.06995                    437449.50
3766365.00        4.02052
         437449.50    3766315.00        3.28307                    437449.50
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3766265.00        2.76081
         437449.50    3766215.00        2.37870                        437449.50
3766165.00        2.08688
         437499.50    3766865.00        7.43339                        437499.50
3766815.00        8.62235
         437499.50    3766765.00        9.59634                        437499.50
3766715.00       10.19449
         437499.50    3766665.00       10.25655                        437499.50
3766615.00        9.69076
         437499.50    3766565.00        8.60551                        437499.50
3766515.00        7.24538
         437499.50    3766465.00        5.87818                        437499.50
3766415.00        4.70451
         437499.50    3766365.00        3.78051                        437499.50
3766315.00        3.09770
         437499.50    3766265.00        2.59808                        437499.50
3766215.00        2.23272
         437499.50    3766165.00        1.95760                        437549.50
3766865.00        6.60679
         437549.50    3766815.00        7.44983                        437549.50
3766765.00        8.12096
         437549.50    3766715.00        8.51679                        437549.50
3766665.00        8.53917
         437549.50    3766615.00        8.13887                        437549.50
3766565.00        7.37011
         437549.50    3766515.00        6.37527                        437549.50
3766465.00        5.32513
         437549.50    3766415.00        4.36047                        437549.50
3766365.00        3.55720
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
437549.50	3766315.00	2.93157	437549.50	3766265.00	2.46020
437549.50	3766215.00	2.10929	437549.50	3766165.00	1.84504
437249.50	3766415.00	7.28755	437249.50	3766365.00	5.64510
437249.50	3766315.00	4.54238	437249.50	3766265.00	3.74911
437249.50	3766215.00	3.15373	437249.50	3766165.00	2.69060
437199.50	3766415.00	8.17534	437199.50	3766365.00	6.23682
437199.50	3766315.00	4.93990	437199.50	3766265.00	4.02093
437199.50	3766215.00	3.34000	437199.50	3766165.00	2.82366
437149.50	3766415.00	9.07720	437149.50	3766365.00	6.77626
437149.50	3766315.00	5.27652	437149.50	3766265.00	4.23994
437149.50	3766215.00	3.48733	437149.50	3766165.00	2.92344
437099.50	3766415.00	9.81801	437099.50	3766365.00	7.18212
437099.50	3766315.00	5.50760	437099.50	3766265.00	4.37614
437099.50	3766215.00	3.57385	437099.50	3766165.00	2.98067
437049.50	3766415.00	10.18570	437049.50	3766365.00	7.36374
437049.50	3766315.00	5.60575	437049.50	3766265.00	4.42530
437049.50	3766215.00	3.59891	437049.50	3766165.00	2.99604
436999.50	3766415.00	10.20595	436999.50	3766365.00	7.33889
436999.50	3766315.00	5.57503	436999.50	3766265.00	4.39559
436999.50	3766215.00	3.57577	436999.50	3766165.00	2.97634
436949.50	3766415.00	9.78855	436949.50	3766365.00	7.12451

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         436949.50    3766315.00        5.44512                        436949.50
3766265.00        4.31118
         436949.50    3766215.00        3.51788                        436949.50
3766165.00        2.93280
         436899.50    3766415.00        8.85727                        436899.50
3766365.00        6.69205
         436899.50    3766315.00        5.22079                        436899.50
3766265.00        4.18397
         436899.50    3766215.00        3.43805                        436899.50
3766165.00        2.88077
         436849.50    3766415.00        7.83518                        436849.50
3766365.00        6.18291
         436849.50    3766315.00        4.95919                        436849.50
3766265.00        4.05111
         436849.50    3766215.00        3.35268                        436849.50
3766165.00        2.82500
         436799.50    3766415.00        6.83753                        436799.50
3766365.00        5.63856
         436799.50    3766315.00        4.66163                        436799.50
3766265.00        3.88100
         436799.50    3766215.00        3.25031                        436799.50
3766165.00        2.75893
         436749.50    3766415.00        5.88273                        436749.50
3766365.00        5.03524
         436749.50    3766315.00        4.29013                        436749.50
3766265.00        3.64760
         436749.50    3766215.00        3.10720                        436749.50
3766165.00        2.66992
         436699.50    3766415.00        4.97473                        436699.50
3766365.00        4.39321
         436699.50    3766315.00        3.83896                        436699.50
3766265.00        3.36051
         436699.50    3766215.00        2.92147                        436699.50
3766165.00        2.55067
         436649.50    3766415.00        4.21566                        436649.50
3766365.00        3.81525
         436649.50    3766315.00        3.41226                        436649.50
3766265.00        3.05697
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         436649.50    3766215.00        2.71264                      436649.50
3766165.00        2.40745
         436599.50    3766415.00        3.59365                      436599.50
3766365.00        3.31068
         436599.50    3766315.00        3.02459                      436599.50
3766265.00        2.75940
         436599.50    3766215.00        2.49811                      436599.50
3766165.00        2.25420
         436549.50    3766415.00        3.09382                      436549.50
3766365.00        2.88978
         436549.50    3766315.00        2.67810                      436549.50
3766265.00        2.46925
         436549.50    3766215.00        2.26672                      436549.50
3766165.00        2.07331
         436799.50    3766465.00        8.27214                      436799.50
3766515.00        9.83470
         436799.50    3766565.00       11.30276                      436799.50
3766615.00       12.25445
         436799.50    3766665.00       12.22987                      436799.50
3766715.00       11.21530
         436799.50    3766765.00        9.58050                      436799.50
3766815.00        7.90856
         436799.50    3766865.00        6.47523                      436799.50
3766915.00        5.32889
         436799.50    3766965.00        4.43302                      436799.50
3767015.00        3.72747
         436799.50    3767065.00        3.04310                      436799.50
3767115.00        2.37869
         436799.50    3767165.00        1.96359                      436749.50
3766465.00        6.78787
         436749.50    3766515.00        7.68528                      436749.50
3766565.00        8.43870
         436749.50    3766615.00        8.85806                      436749.50
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3766665.00        8.80564
         436749.50    3766715.00        8.26153                    436749.50
3766765.00        7.37091
         436749.50    3766815.00        6.36717                    436749.50
3766865.00        5.41813
         436749.50    3766915.00        4.59785                    436749.50
3766965.00        3.91815
         436749.50    3767015.00        3.36177                    436749.50
3767065.00        2.78963
         436749.50    3767115.00        2.21374                    436749.50
3767165.00        1.86400
         436699.50    3766465.00        5.56916                    436699.50
3766515.00        6.11866
         436699.50    3766565.00        6.54959                    436699.50
3766615.00        6.77034
         436699.50    3766665.00        6.70780                    436699.50
3766715.00        6.38934
         436699.50    3766765.00        5.85054                    436699.50
3766815.00        5.21219
         436699.50    3766865.00        4.56747                    436699.50
3766915.00        3.97012
         436699.50    3766965.00        3.45529                    436699.50
3767015.00        3.01527
         436699.50    3767065.00        2.54593                    436699.50
3767115.00        2.03114
         436699.50    3767165.00        1.75843                    436649.50
3766465.00        4.61902
         436649.50    3766515.00        4.97351                    436649.50
3766565.00        5.23249
         436649.50    3766615.00        5.35939                    436649.50
3766665.00        5.30372
         436649.50    3766715.00        5.10105                    436649.50
3766765.00        4.75720
         436649.50    3766815.00        4.33661                    436649.50
3766865.00        3.88599
         436649.50    3766915.00        3.44794                    436649.50
3766965.00        3.05433
         436649.50    3767015.00        2.57593                    436649.50
3767065.00        2.15829
         436649.50    3767115.00        1.84919                    436649.50
3767165.00        1.60863
         436599.50    3766465.00        3.85766                    436599.50
3766515.00        4.10146
         436599.50    3766565.00        4.27299                    436599.50
3766615.00        4.35070
         436599.50    3766665.00        4.31694                    436599.50
3766715.00        4.18027
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43800 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436599.50	3766765.00	3.95077	436599.50	3766815.00	3.65952
436599.50	3766865.00	3.33931	436599.50	3766915.00	3.01583
436599.50	3766965.00	2.71172	436599.50	3767015.00	2.35576
436599.50	3767065.00	1.97717	436599.50	3767115.00	1.72162
436599.50	3767165.00	1.52560	436549.50	3766465.00	3.28607
436549.50	3766515.00	3.45347	436549.50	3766565.00	3.56743
436549.50	3766615.00	3.61479	436549.50	3766665.00	3.59020
436549.50	3766715.00	3.49650	436549.50	3766765.00	3.33730
436549.50	3766815.00	3.13300	436549.50	3766865.00	2.90045
436549.50	3766915.00	2.65775	436549.50	3766965.00	2.42192
436549.50	3767015.00	2.20242	436549.50	3767065.00	2.00202
436549.50	3767115.00	1.80935	436549.50	3767165.00	1.54978

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         436549.50    3767265.00        1.20203                    436549.50
3767365.00        0.96679
         436549.50    3767465.00        0.80418                    436549.50
3767565.00        0.66950
         436549.50    3767665.00        0.56627                    436649.50
3767265.00        1.28477
         436649.50    3767365.00        1.01809                    436649.50
3767465.00        0.83030
         436649.50    3767565.00        0.68620                    436649.50
3767665.00        0.58119
         436749.50    3767265.00        1.40196                    436749.50
3767365.00        1.09271
         436749.50    3767465.00        0.87892                    436749.50
3767565.00        0.72090
         436749.50    3767665.00        0.59885                    436849.50
3767265.00        1.50553
         436849.50    3767365.00        1.17872                    436849.50
3767465.00        0.93691
         436849.50    3767565.00        0.75150                    436849.50
3767665.00        0.62566
         436949.50    3767265.00        1.62645                    436949.50
3767365.00        1.25374
         436949.50    3767465.00        0.98269                    436949.50
3767565.00        0.76660
         436949.50    3767665.00        0.63492                    437049.50
3767265.00        1.69255
         437049.50    3767365.00        1.28664                    437049.50
3767465.00        0.99562
         437049.50    3767565.00        0.77741                    437049.50
3767665.00        0.63680
         437149.50    3767265.00        1.66455                    437149.50
3767365.00        1.26019
         437149.50    3767465.00        0.98480                    437149.50
3767565.00        0.79306
         437149.50    3767665.00        0.65085                    437249.50
3767265.00        1.67196
         437249.50    3767365.00        1.25171                    437249.50
3767465.00        0.97640
         437249.50    3767565.00        0.78867                    437249.50
3767665.00        0.65901
         437349.50    3767265.00        1.69573                    437349.50
3767365.00        1.27485
         437349.50    3767465.00        0.99799                    437349.50
3767565.00        0.79995
         437349.50    3767665.00        0.65545                    437449.50
3767265.00        1.68750
         437449.50    3767365.00        1.26529                    437449.50
3767465.00        0.99446
         437449.50    3767565.00        0.79174                    437449.50
3767665.00        0.65027
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         437549.50    3767265.00        1.68275                      437549.50
3767365.00        1.26957
         437549.50    3767465.00        0.99149                      437549.50
3767565.00        0.79471
         437549.50    3767665.00        0.65147                      437649.50
3767265.00        1.67380
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         437649.50    3767365.00        1.27793                      437649.50
3767465.00        1.00389
         437649.50    3767565.00        0.80653                      437649.50
3767665.00        0.66122
         437749.50    3767265.00        1.65439                      437749.50
3767365.00        1.27426
         437749.50    3767465.00        1.00375                      437749.50
3767565.00        0.81242
         437749.50    3767665.00        0.66740                      437849.50
3767265.00        1.60263
         437849.50    3767365.00        1.26539                      437849.50
3767465.00        1.01114
         437849.50    3767565.00        0.81834                      437849.50
3767665.00        0.67817
         437949.50    3767265.00        1.55726                      437949.50
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3767365.00        1.24603
         437949.50    3767465.00        1.00549                    437949.50
3767565.00        0.82335
         437949.50    3767665.00        0.68413                    438049.50
3767265.00        1.48001
         438049.50    3767365.00        1.21206                    438049.50
3767465.00        0.99860
         438049.50    3767565.00        0.82594                    438049.50
3767665.00        0.69025
         437649.50    3767165.00        2.25265                    437649.50
3767065.00        3.13332
         437649.50    3766965.00        4.22799                    437649.50
3766865.00        5.28992
         437649.50    3766765.00        6.03688                    437649.50
3766665.00        6.23792
         437649.50    3766565.00        5.59286                    437649.50
3766465.00        4.37018
         437649.50    3766365.00        3.14373                    437649.50
3766265.00        2.23962
         437649.50    3766165.00        1.67365                    437649.50
3766065.00        1.33058
         437649.50    3765965.00        1.11065                    437649.50
3765865.00        0.95000
         437649.50    3765765.00        0.82527                    437649.50
3765665.00        0.72196
         437749.50    3767165.00        2.18149                    437749.50
3767065.00        2.86486
         437749.50    3766965.00        3.63494                    437749.50
3766865.00        4.31994
         437749.50    3766765.00        4.67283                    437749.50
3766665.00        4.78412
         437749.50    3766565.00        4.40041                    437749.50
3766465.00        3.62710
         437749.50    3766365.00        2.77540                    437749.50
3766265.00        2.05987
         437749.50    3766165.00        1.54903                    437749.50
3766065.00        1.22328
         437749.50    3765965.00        1.01494                    437749.50
3765865.00        0.87098
         437749.50    3765765.00        0.76183                    437749.50
3765665.00        0.67294
         437849.50    3767165.00        2.05884                    437849.50
3767065.00        2.58486
         437849.50    3766965.00        3.11391                    437849.50
3766865.00        3.52947
         437849.50    3766765.00        3.74414                    437849.50
3766665.00        3.81288
         437849.50    3766565.00        3.56188                    437849.50
3766465.00        3.06015
         437849.50    3766365.00        2.45443                    437849.50
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3766265.00        1.89058
         437849.50    3766165.00        1.45091                        437849.50
3766065.00        1.14426
         437849.50    3765965.00        0.94068                        437849.50
3765865.00        0.80270
         437849.50    3765765.00        0.70423                        437849.50
3765665.00        0.62501
         437949.50    3767165.00        1.92764                        437949.50
3767065.00        2.32091
         437949.50    3766965.00        2.67158                        437949.50
3766865.00        2.88374
         437949.50    3766765.00        3.08107                        437949.50
3766665.00        3.11850
         437949.50    3766565.00        2.95170                        437949.50
3766465.00        2.60837
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         437949.50    3766365.00        2.17300                        437949.50
3766265.00        1.73720
         437949.50    3766165.00        1.36639                        437949.50
3766065.00        1.08368
         437949.50    3765965.00        0.88530                        437949.50
3765865.00        0.74899
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         437949.50    3765765.00        0.65412                    437949.50
3765665.00        0.58258
         438049.50    3767165.00        1.77317                    438049.50
3767065.00        2.06429
         438049.50    3766965.00        2.31876                    438049.50
3766865.00        2.46293
         438049.50    3766765.00        2.58143                    438049.50
3766665.00        2.60737
         438049.50    3766565.00        2.49036                    438049.50
3766465.00        2.24678
         438049.50    3766365.00        1.92774                    438049.50
3766265.00        1.58966
         438049.50    3766165.00        1.28155                    438049.50
3766065.00        1.03124
         438049.50    3765965.00        0.84338                    438049.50
3765865.00        0.70858
         438049.50    3765765.00        0.61555                    438049.50
3765665.00        0.54739
         437549.50    3766065.00        1.47426                    437549.50
3765965.00        1.22478
         437549.50    3765865.00        1.03782                    437549.50
3765765.00        0.88954
         437549.50    3765665.00        0.77058                    437449.50
3766065.00        1.65685
         437449.50    3765965.00        1.35262                    437449.50
3765865.00        1.12820
         437449.50    3765765.00        0.95276                    437449.50
3765665.00        0.81543
         437349.50    3766065.00        1.84991                    437349.50
3765965.00        1.48114
         437349.50    3765865.00        1.21498                    437349.50
3765765.00        1.01260
         437349.50    3765665.00        0.85594                    437249.50
3766065.00        2.02888
         437249.50    3765965.00        1.58788                    437249.50
3765865.00        1.28198
         437249.50    3765765.00        1.05624                    437249.50
3765665.00        0.88517
         437149.50    3766065.00        2.15072                    437149.50
3765965.00        1.65741
         437149.50    3765865.00        1.32129                    437149.50
3765765.00        1.07914
         437149.50    3765665.00        0.90230                    437049.50
3766065.00        2.18517
         437049.50    3765965.00        1.67553                    437049.50
3765865.00        1.33159
         437049.50    3765765.00        1.08536                    437049.50
3765665.00        0.90556
         436949.50    3766065.00        2.14566                    436949.50
3765965.00        1.63827
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         436949.50    3765865.00        1.31263                      436949.50
3765765.00        1.07137
         436949.50    3765665.00        0.89409                      436849.50
3766065.00        2.07581
         436849.50    3765965.00        1.59374                      436849.50
3765865.00        1.28144
         436849.50    3765765.00        1.04626                      436849.50
3765665.00        0.87324
         436749.50    3766065.00        2.00502                      436749.50
3765965.00        1.54415
         436749.50    3765865.00        1.24830                      436749.50
3765765.00        1.01624
         436749.50    3765665.00        0.84989                      436649.50
3766065.00        1.88660
         436649.50    3765965.00        1.49566                      436649.50
3765865.00        1.21534
         436649.50    3765765.00        0.98779                      436649.50
3765665.00        0.83041
         436549.50    3766065.00        1.71603                      436549.50
3765965.00        1.40907
         436549.50    3765865.00        1.17044                      436549.50
3765765.00        0.95676
         436549.50    3765665.00        0.81257                      436449.50
3766065.00        1.51636
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
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Y-COORD (M)        CONC
 - - -
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```
3766865.00        1.78339
         436349.50    3766965.00        1.60269                        436349.50
3767065.00        1.41060
         436349.50    3767165.00        1.22820                        436349.50
3767265.00        0.96482
         436349.50    3767365.00        0.81228                        436349.50
3767465.00        0.69564
         436349.50    3767565.00        0.59819                        436349.50
3767665.00        0.51672
         436249.50    3766165.00        1.25730                        436249.50
3766265.00        1.37284
         436249.50    3766365.00        1.47748                        436249.50
3766465.00        1.55355
         436249.50    3766565.00        1.59249                        436249.50
3766665.00        1.59053
         436249.50    3766765.00        1.53961                        436249.50
3766865.00        1.45464
         436249.50    3766965.00        1.33641                        436249.50
3767065.00        1.20320
         436249.50    3767165.00        1.07174                        436249.50
3767265.00        0.87993
         436249.50    3767365.00        0.73658                        436249.50
3767465.00        0.64914
         436249.50    3767565.00        0.56497                        436249.50
3767665.00        0.49257
         436149.50    3766165.00        1.07996                        436149.50
3766265.00        1.15918
         436149.50    3766365.00        1.23315                        436149.50
3766465.00        1.28241
         436149.50    3766565.00        1.30868                        436149.50
3766665.00        1.30340
         436149.50    3766765.00        1.26887                        436149.50
3766865.00        1.21120
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
```

, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
436149.50	3766965.00	1.13084	436149.50	3767065.00	1.03654
436149.50	3767165.00	0.93888	436149.50	3767265.00	0.79334
436149.50	3767365.00	0.66935	436149.50	3767465.00	0.59151
436149.50	3767565.00	0.52177	436149.50	3767665.00	0.45660
436049.50	3766165.00	0.93734	436049.50	3766265.00	0.99343
436049.50	3766365.00	1.04534	436049.50	3766465.00	1.07835
436049.50	3766565.00	1.09520	436049.50	3766665.00	1.08897
436049.50	3766765.00	1.06519	436049.50	3766865.00	1.02472
436049.50	3766965.00	0.96942	436049.50	3767065.00	0.90130
436049.50	3767165.00	0.82787	436049.50	3767265.00	0.71345
436049.50	3767365.00	0.59722	436049.50	3767465.00	0.53062
436049.50	3767565.00	0.47220	436049.50	3767665.00	0.42527
436049.50	3767865.00	0.34140	436049.50	3768065.00	0.27836
436049.50	3768265.00	0.22738	436049.50	3768465.00	0.18809
436049.50	3768665.00	0.15854	436249.50	3767865.00	0.37301
436249.50	3768065.00	0.29551	436249.50	3768265.00	0.23973
436249.50	3768465.00	0.19655	436249.50	3768665.00	0.16379
436449.50	3767865.00	0.40396	436449.50	3768065.00	0.31290
436449.50	3768265.00	0.24884	436449.50	3768465.00	0.20275

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         436449.50    3768665.00        0.16753                      436649.50
3767865.00        0.42559
         436649.50    3768065.00        0.32414                      436649.50
3768265.00        0.25250
         436649.50    3768465.00        0.20917                      436649.50
3768665.00        0.17172
         436849.50    3767865.00        0.44686                      436849.50
3768065.00        0.33314
         436849.50    3768265.00        0.26237                      436849.50
3768465.00        0.21253
         436849.50    3768665.00        0.17427                      437049.50
3767865.00        0.46036
         437049.50    3768065.00        0.34237                      437049.50
3768265.00        0.26694
         437049.50    3768465.00        0.21329                      437049.50
3768665.00        0.17399
         437249.50    3767865.00        0.47143                      437249.50
3768065.00        0.35334
         437249.50    3768265.00        0.27610                      437249.50
3768465.00        0.22169
         437249.50    3768665.00        0.18022                      437449.50
3767865.00        0.47325
         437449.50    3768065.00        0.35790                      437449.50
3768265.00        0.28177
         437449.50    3768465.00        0.22593                      437449.50
3768665.00        0.18626
         437649.50    3767865.00        0.46719                      437649.50
3768065.00        0.35054
         437649.50    3768265.00        0.27622                      437649.50
3768465.00        0.22629
         437649.50    3768665.00        0.18805                      437849.50
3767865.00        0.48069
         437849.50    3768065.00        0.35535                      437849.50
3768265.00        0.27401
         437849.50    3768465.00        0.22152                      437849.50
3768665.00        0.18253
         438049.50    3767865.00        0.49434                      438049.50
3768065.00        0.36795
         438049.50    3768265.00        0.28311                      438049.50
3768465.00        0.22447
         438049.50    3768665.00        0.18210                      438249.50
3767865.00        0.50020
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

```
                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         438249.50    3768065.00       0.38141                        438249.50
3768265.00        0.29071
         438249.50    3768465.00       0.23005                        438249.50
3768665.00        0.18595
         438449.50    3767865.00       0.49551                        438449.50
3768065.00        0.38007
         438449.50    3768265.00       0.29835                        438449.50
3768465.00        0.23460
         438449.50    3768665.00       0.19019                        438649.50
3767865.00        0.48492
         438649.50    3768065.00       0.37908                        438649.50
3768265.00        0.29953
         438649.50    3768465.00       0.24081                        438649.50
3768665.00        0.19364
         438849.50    3767865.00       0.46810                        438849.50
3768065.00        0.37251
         438849.50    3768265.00       0.29939                        438849.50
3768465.00        0.24369
         438849.50    3768665.00       0.19977                        439049.50
3767865.00        0.44858
         439049.50    3768065.00       0.36365                        439049.50
3768265.00        0.29532
         439049.50    3768465.00       0.24175                        439049.50
3768665.00        0.20203
         438249.50    3767665.00       0.67612                        438249.50
3767465.00        0.94882
         438249.50    3767265.00       1.29798                        438249.50
3767065.00        1.63650
         438249.50    3766865.00       1.91019                        438249.50
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3766665.00        1.91668
         438249.50    3766465.00        1.72063                    438249.50
3766265.00        1.32586
         438249.50    3766065.00        0.93283                    438249.50
3765865.00        0.65245
         438249.50    3765665.00        0.49410                    438249.50
3765465.00        0.39908
         438249.50    3765265.00        0.33995                    438249.50
3765065.00        0.29293
         438249.50    3764865.00        0.25611                    438249.50
3764665.00        0.22550
         438449.50    3767665.00        0.65940                    438449.50
3767465.00        0.87659
         438449.50    3767265.00        1.11172                    438449.50
3767065.00        1.33106
         438449.50    3766865.00        1.48361                    438449.50
3766665.00        1.51649
         438449.50    3766465.00        1.36305                    438449.50
3766265.00        1.11270
         438449.50    3766065.00        0.83909                    438449.50
3765865.00        0.61106
         438449.50    3765665.00        0.45901                    438449.50
3765465.00        0.36483
         438449.50    3765265.00        0.30836                    438449.50
3765065.00        0.26853
         438449.50    3764865.00        0.23714                    438449.50
3764665.00        0.21041
         438649.50    3767665.00        0.62965                    438649.50
3767465.00        0.79521
         438649.50    3767265.00        0.95447                    438649.50
3767065.00        1.10045
         438649.50    3766865.00        1.16239                    438649.50
3766665.00        1.18476
         438649.50    3766465.00        1.10965                    438649.50
3766265.00        0.94605
         438649.50    3766065.00        0.75112                    438649.50
3765865.00        0.57113
         438649.50    3765665.00        0.43463                    438649.50
3765465.00        0.34048
         438649.50    3765265.00        0.28408                    438649.50
3765065.00        0.24641
         438649.50    3764865.00        0.21835                    438649.50
3764665.00        0.19573
         438849.50    3767665.00        0.58482                    438849.50
3767465.00        0.70752
         438849.50    3767265.00        0.81901                    438849.50
3767065.00        0.92671
         438849.50    3766865.00        1.00522                    438849.50
3766665.00        0.97365
         438849.50    3766465.00        0.92353                    438849.50
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3766265.00        0.81053
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         438849.50    3766065.00        0.67009                      438849.50
3765865.00        0.53129
         438849.50    3765665.00        0.41273                      438849.50
3765465.00        0.32402
         438849.50    3765265.00        0.26615                      438849.50
3765065.00        0.22816
         438849.50    3764865.00        0.20190                      438849.50
3764665.00        0.18181
         439049.50    3767665.00        0.54149                      439049.50
3767465.00        0.62931
         439049.50    3767265.00        0.71404                      439049.50
3767065.00        0.79360
         439049.50    3766865.00        0.85761                      439049.50
3766665.00        0.81733
         439049.50    3766465.00        0.78258                      439049.50
3766265.00        0.70162
         439049.50    3766065.00        0.59745                      439049.50
3765865.00        0.48983
         439049.50    3765665.00        0.39249                      439049.50
3765465.00        0.31143
```

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         439049.50    3765265.00        0.25349                    439049.50
3765065.00        0.21486
         439049.50    3764865.00        0.18842                    439049.50
3764665.00        0.16960
         438049.50    3765465.00        0.44729                    438049.50
3765265.00        0.37673
         438049.50    3765065.00        0.32057                    438049.50
3764865.00        0.27655
         438049.50    3764665.00        0.24062                    437849.50
3765465.00        0.50522
         437849.50    3765265.00        0.41577                    437849.50
3765065.00        0.34866
         437849.50    3764865.00        0.29676                    437849.50
3764665.00        0.25459
         437649.50    3765465.00        0.56606                    437649.50
3765265.00        0.45503
         437649.50    3765065.00        0.37415                    437649.50
3764865.00        0.31367
         437649.50    3764665.00        0.26729                    437449.50
3765465.00        0.61997
         437449.50    3765265.00        0.48761                    437449.50
3765065.00        0.39475
         437449.50    3764865.00        0.32707                    437449.50
3764665.00        0.27635
         437249.50    3765465.00        0.65944                    437249.50
3765265.00        0.50993
         437249.50    3765065.00        0.40762                    437249.50
3764865.00        0.33534
         437249.50    3764665.00        0.28197                    437049.50
3765465.00        0.66832
         437049.50    3765265.00        0.51443                    437049.50
3765065.00        0.41104
         437049.50    3764865.00        0.33764                    437049.50
3764665.00        0.28292
         436849.50    3765465.00        0.64814                    436849.50
3765265.00        0.50352
         436849.50    3765065.00        0.40360                    436849.50
3764865.00        0.33187
         436849.50    3764665.00        0.27874                    436649.50
3765465.00        0.62233
         436649.50    3765265.00        0.48267                    436649.50
3765065.00        0.38956
         436649.50    3764865.00        0.32208                    436649.50
3764665.00        0.27135
         436449.50    3765465.00        0.60449                    436449.50
3765265.00        0.46867
         436449.50    3765065.00        0.37639                    436449.50
3764865.00        0.31119
         436449.50    3764665.00        0.26259                    436249.50
3765465.00        0.57886
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         436249.50    3765265.00        0.45843                      436249.50
3765065.00        0.36964
         436249.50    3764865.00        0.30473                      436249.50
3764665.00        0.25623
         436049.50    3765465.00        0.53078                      436049.50
3765265.00        0.43878
         436049.50    3765065.00        0.36216                      436049.50
3764865.00        0.30082
         436049.50    3764665.00        0.25325                      435849.50
3765465.00        0.46805
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         435849.50    3765265.00        0.40340                      435849.50
3765065.00        0.34447
         435849.50    3764865.00        0.29341                      435849.50
3764665.00        0.25030
         435649.50    3765465.00        0.40671                      435649.50
3765265.00        0.36136
         435649.50    3765065.00        0.31783                      435649.50
3764865.00        0.27875
         435649.50    3764665.00        0.24314                      435449.50
3765465.00        0.35295
         435449.50    3765265.00        0.32028                      435449.50
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3765065.00        0.28939
         435449.50    3764865.00        0.25880                    435449.50
3764665.00        0.23085
         435249.50    3765465.00        0.30824                    435249.50
3765265.00        0.28375
         435249.50    3765065.00        0.25985                    435249.50
3764865.00        0.23709
         435249.50    3764665.00        0.21498                    435049.50
3765465.00        0.27166
         435049.50    3765265.00        0.25266                    435049.50
3765065.00        0.23400
         435049.50    3764865.00        0.21620                    435049.50
3764665.00        0.19872
         435849.50    3765665.00        0.53586                    435849.50
3765865.00        0.61204
         435849.50    3766065.00        0.68701                    435849.50
3766265.00        0.75484
         435849.50    3766465.00        0.79551                    435849.50
3766665.00        0.80219
         435849.50    3766865.00        0.76760                    435849.50
3767065.00        0.69864
         435849.50    3767265.00        0.58507                    435849.50
3767465.00        0.44996
         435849.50    3767665.00        0.36834                    435849.50
3767865.00        0.31004
         435849.50    3768065.00        0.26083                    435849.50
3768265.00        0.21655
         435849.50    3768465.00        0.18401                    435849.50
3768665.00        0.15638
         435649.50    3765665.00        0.45313                    435649.50
3765865.00        0.50456
         435649.50    3766065.00        0.55237                    435649.50
3766265.00        0.59310
         435649.50    3766465.00        0.61712                    435649.50
3766665.00        0.61935
         435649.50    3766865.00        0.59794                    435649.50
3767065.00        0.55786
         435649.50    3767265.00        0.50324                    435649.50
3767465.00        0.39818
         435649.50    3767665.00        0.32774                    435649.50
3767865.00        0.28048
         435649.50    3768065.00        0.24044                    435649.50
3768265.00        0.20734
         435649.50    3768465.00        0.17697                    435649.50
3768665.00        0.15233
         435449.50    3765665.00        0.38580                    435449.50
3765865.00        0.42199
         435449.50    3766065.00        0.45404                    435449.50
3766265.00        0.47888
         435449.50    3766465.00        0.49374                    435449.50
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3766665.00        0.49406
         435449.50    3766865.00        0.48099                       435449.50
3767065.00        0.45577
         435449.50    3767265.00        0.42092                       435449.50
3767465.00        0.37977
         435449.50    3767665.00        0.29695                       435449.50
3767865.00        0.25393
         435449.50    3768065.00        0.22262                       435449.50
3768265.00        0.19416
         435449.50    3768465.00        0.16854                       435449.50
3768665.00        0.14606
         435249.50    3765665.00        0.33257                       435249.50
3765865.00        0.35855
         435249.50    3766065.00        0.38006                       435249.50
3766265.00        0.39722
         435249.50    3766465.00        0.40508                       435249.50
3766665.00        0.40611
         435249.50    3766865.00        0.39700                       435249.50
3767065.00        0.38014
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43800 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         435249.50    3767265.00        0.35686                       435249.50
3767465.00        0.32803
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         435249.50    3767665.00        0.27337                      435249.50
3767865.00        0.23293
         435249.50    3768065.00        0.20147                      435249.50
3768265.00        0.17928
         435249.50    3768465.00        0.15833                      435249.50
3768665.00        0.13908
         435049.50    3765665.00        0.28959                      435049.50
3765865.00        0.30870
         435049.50    3766065.00        0.32423                      435049.50
3766265.00        0.33577
         435049.50    3766465.00        0.34140                      435049.50
3766665.00        0.34082
         435049.50    3766865.00        0.33476                      435049.50
3767065.00        0.32279
         435049.50    3767265.00        0.30635                      435049.50
3767465.00        0.28590
         435049.50    3767665.00        0.25638                      435049.50
3767865.00        0.21098
         435049.50    3768065.00        0.18406                      435049.50
3768265.00        0.16367
         435049.50    3768465.00        0.14654                      435049.50
3768665.00        0.13277
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        436849.50   3766465.00      111.01312  (21122916)                436849.50
3766485.00      154.66143  (21122916)
        436849.50   3766505.00      202.70838  (21122916)                436849.50
3766525.00      246.39695  (21122916)
        436849.50   3766545.00      269.10501  (21122916)                436849.50
3766565.00      255.41363  (21122916)
        436849.50   3766585.00      208.95411  (21122916)                436849.50
3766605.00      224.91963  (22091807)
        436849.50   3766625.00      241.95786  (22091807)                436849.50
3766645.00      220.11930  (22091807)
        436849.50   3766665.00      169.87157  (21010621)                436849.50
3766685.00      184.58983  (17040407)
        436849.50   3766705.00      180.25519  (17040407)                436849.50
3766725.00      165.92825  (17101517)
        436849.50   3766745.00      169.90196  (17101517)                436849.50
3766765.00      159.23474  (22012917)
        436849.50   3766785.00      158.43221  (22012917)                436849.50
3766805.00      145.73721  (22012917)
        436849.50   3766825.00      126.65082  (22012917)                436849.50
3766845.00      105.49545  (22012917)
        436849.50   3766865.00       84.97305  (22012917)                436869.50
3766465.00      105.52636  (22021222)
        436869.50   3766485.00      138.28662  (21122916)                436869.50
3766505.00      192.03169  (21122916)
        436869.50   3766525.00      250.47998  (21122916)                436869.50
3766545.00      299.09278  (21122916)
        436869.50   3766565.00      311.51883  (21122916)                436869.50
3766585.00      275.58945  (21122916)
        436869.50   3766725.00      202.27751  (17101517)                436869.50
3766745.00      192.12086  (17101517)
        436869.50   3766765.00      191.10233  (22012917)                436869.50
3766785.00      175.86902  (22012917)
        436869.50   3766805.00      151.54098  (22012917)                436869.50
3766825.00      124.82676  (22012917)
        436869.50   3766845.00       99.37940  (22012917)                436869.50
3766865.00       82.69097  (22121718)
        436889.50   3766465.00      110.93464  (23010921)                436889.50
3766485.00      122.34594  (22021222)
        436889.50   3766545.00      314.03637  (21122916)                436889.50
3766565.00      364.71203  (21122916)
        436889.50   3766585.00      352.19513  (21122916)                436889.50
3766725.00      239.66551  (17101517)
        436889.50   3766745.00      234.18019  (22012917)                436889.50
3766765.00      215.93846  (22012917)
        436889.50   3766785.00      183.99652  (22012917)                436889.50
3766805.00      149.50061  (22012917)
        436889.50   3766825.00      117.50220  (22012917)                436889.50
3766845.00       93.23219  (22121718)
        436889.50   3766865.00       86.95793  (21013119)                436909.50
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3766465.00      118.28427  (17012920)
        436909.50   3766485.00      128.84299  (17021522)                436909.50
3766725.00      290.22470  (22012917)
        436909.50   3766745.00      270.36040  (22012917)                436909.50
3766765.00      226.97546  (22012917)
        436909.50   3766785.00      181.32052  (22012917)                436909.50
3766805.00      140.45823  (22012917)
        436909.50   3766825.00      106.88044  (21013119)                436909.50
3766845.00       98.33582  (21013119)
        436909.50   3766865.00       90.31893  (17120802)                436929.50
3766465.00      122.27311  (17121123)
        436929.50   3766485.00      134.54265  (17012920)                436929.50
3766725.00      343.74817  (22012917)
        436929.50   3766745.00      284.17571  (22012917)                436929.50
3766765.00      222.84785  (22012917)
        436929.50   3766785.00      170.27631  (22012917)                436929.50
3766805.00      126.63373  (22012917)
        436929.50   3766825.00      120.01644  (22123016)                436929.50
3766845.00      112.91436  (22123016)
        436929.50   3766865.00      105.77099  (22123016)                436949.50
3766465.00      131.13261  (22120216)
        436949.50   3766485.00      146.09822  (22120216)                436949.50
3766725.00      358.61979  (22012917)
        436949.50   3766745.00      277.55140  (22012917)                436949.50
3766765.00      209.84795  (22012917)
        436949.50   3766785.00      181.38836  (22123016)                436949.50
3766805.00      162.71344  (22123016)
        436949.50   3766825.00      146.54543  (22123016)                436949.50
3766845.00      132.66219  (22123016)
        436949.50   3766865.00      120.73685  (22123016)                436969.50
3766725.00      349.58066  (22012917)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436969.50	3766745.00	266.48735	(22123016)	436969.50	3766765.00	230.92879	(22123016)
436969.50	3766785.00	201.08273	(22123016)	436969.50	3766805.00	177.03591	(22123016)
436969.50	3766825.00	157.18638	(22123016)	436969.50	3766845.00	140.61806	(22123016)
436969.50	3766865.00	126.72589	(22123016)	436989.50	3766725.00	334.10174	(22012917)
436989.50	3766745.00	268.20860	(22123016)	436989.50	3766765.00	232.95264	(22123016)
436989.50	3766785.00	202.58549	(22123016)	436989.50	3766805.00	178.88144	(22123016)
436989.50	3766825.00	158.86160	(22123016)	436989.50	3766845.00	141.75871	(22123016)
436989.50	3766865.00	127.10608	(22123016)	437009.50	3766785.00	202.25266	(22123016)
437009.50	3766805.00	177.56003	(22123016)	437009.50	3766825.00	157.04890	(22123016)
437009.50	3766845.00	139.58176	(22123016)	437009.50	3766865.00	123.98490	(22123016)
437029.50	3766785.00	201.14854	(22123016)	437029.50	3766805.00	174.95142	(22123016)
437029.50	3766825.00	152.80069	(22123016)	437029.50	3766845.00	133.68646	(22123016)
437029.50	3766865.00	116.62609	(22123016)	437049.50	3766785.00	196.26382	(22123016)
437049.50	3766805.00	167.03724	(22123016)	437049.50	3766825.00	142.09136	(22123016)
437049.50	3766845.00	120.79020	(22123016)	437049.50	3766865.00	106.34657	(22123020)
437069.50	3766785.00	181.57171	(22123016)	437069.50	3766805.00	148.15181	(22123016)
437069.50	3766825.00	125.87871	(21121718)	437069.50	3766845.00	115.64989	(21121718)
437069.50	3766865.00	104.58365	(21121718)	437089.50	3766785.00	159.47739	(22021121)
437089.50	3766805.00	142.73235	(22021121)	437089.50	3766825.00	128.25271	(22021121)
437089.50	3766845.00	115.67026	(22021121)	437089.50	3766865.00	105.18221	(22021121)

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        437109.50   3766785.00      162.72886  (17022718)                437109.50
3766805.00      140.01652  (22021121)
        437109.50   3766825.00      126.90836  (22021121)                437109.50
3766845.00      115.52562  (22021121)
        437109.50   3766865.00      105.69762  (22021121)                437129.50
3766785.00      167.61625  (17022718)
        437129.50   3766805.00      147.12889  (17022718)                437129.50
3766825.00      128.60866  (17022718)
        437129.50   3766845.00      112.30128  (17011019)                437129.50
3766865.00      102.02452  (17011019)
        437149.50   3766785.00      166.07824  (21122917)                437149.50
3766805.00      148.87671  (17022718)
        437149.50   3766825.00      132.87755  (17022718)                437149.50
3766845.00      118.02424  (17022718)
        437149.50   3766865.00      104.33874  (17022718)                437169.50
3766785.00      163.27269  (17022023)
        437169.50   3766805.00      144.65070  (17021106)                437169.50
3766825.00      131.67925  (18021824)
        437169.50   3766845.00      119.42592  (17022718)                437169.50
3766865.00      107.86109  (17022718)
        437189.50   3766465.00       99.68916  (21123016)                437189.50
3766485.00      105.32161  (21123016)
        437189.50   3766505.00      114.35704  (23010216)                437189.50
3766525.00      131.45534  (23010216)
        437189.50   3766545.00      150.36326  (23010724)                437189.50
3766565.00      184.10541  (23122022)
        437189.50   3766585.00      217.05217  (22122916)                437189.50
3766605.00      331.38862  (22122916)
        437189.50   3766625.00      373.93401  (22122916)                437189.50
3766645.00      347.86243  (22122916)
        437189.50   3766665.00      301.24590  (21050807)                437189.50
3766685.00      319.00450  (17020617)
        437189.50   3766705.00      355.73991  (17020617)                437189.50
3766725.00      319.46222  (17020617)
        437189.50   3766745.00      243.91186  (17020617)                437189.50
3766765.00      180.66831  (21061519)
        437189.50   3766785.00      156.93084  (23020217)                437189.50
3766805.00      142.07420  (17022023)
        437189.50   3766825.00      127.96569  (17021106)                437189.50
3766845.00      116.54642  (18021824)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
```

```
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        437189.50   3766865.00      107.34763  (18021824)                437209.50
3766465.00       83.75434  (23010216)
        437209.50   3766485.00       96.30242  (23010216)                437209.50
3766505.00      107.95523  (23010216)
        437209.50   3766525.00      123.63853  (23010724)                437209.50
3766545.00      150.21714  (23122022)
        437209.50   3766565.00      175.56682  (23122022)                437209.50
3766585.00      214.18291  (22122916)
        437209.50   3766605.00      298.63282  (22122916)                437209.50
3766625.00      323.39550  (22122916)
        437209.50   3766645.00      293.86668  (22122916)                437209.50
3766665.00      253.44244  (17013017)
        437209.50   3766685.00      263.36065  (18111916)                437209.50
3766705.00      274.73923  (17020617)
        437209.50   3766725.00      271.38739  (17020617)                437209.50
3766745.00      229.74495  (17020617)
        437209.50   3766765.00      176.31446  (17020617)                437209.50
3766785.00      151.17390  (21061519)
        437209.50   3766805.00      134.40982  (17021101)                437209.50
3766825.00      124.38390  (17022023)
        437209.50   3766845.00      113.40059  (17021106)                437209.50
3766865.00      103.85979  (17021106)
        437229.50   3766465.00       82.02888  (23010216)                437229.50
3766485.00       90.20903  (23010216)
        437229.50   3766505.00      103.47374  (23010724)                437229.50
3766525.00      125.32842  (23010724)
        437229.50   3766545.00      146.76620  (23122022)                437229.50
3766565.00      162.55044  (23122022)
        437229.50   3766585.00      205.78207  (22122916)                437229.50
3766605.00      266.20983  (22122916)
        437229.50   3766625.00      278.56584  (22122916)                437229.50
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3766645.00      244.73718  (22122916)
        437229.50   3766665.00      220.15366  (17013017)                437229.50
3766685.00      223.26767  (17013017)
        437229.50   3766705.00      227.73417  (18111916)                437229.50
3766725.00      221.32262  (17020617)
        437229.50   3766745.00      204.31186  (17020617)                437229.50
3766765.00      169.69700  (17020617)
        437229.50   3766785.00      140.07025  (23120518)                437229.50
3766805.00      128.71781  (23120518)
        437229.50   3766825.00      117.38490  (17021101)                437229.50
3766845.00      109.70180  (17022023)
        437229.50   3766865.00      101.17079  (17022023)                437249.50
3766465.00       76.49903  (23010216)
        437249.50   3766485.00       87.60865  (23010724)                437249.50
3766505.00      105.95242  (23010724)
        437249.50   3766525.00      124.02037  (23122022)                437249.50
3766545.00      139.44991  (23122022)
        437249.50   3766565.00      149.11372  (22120423)                437249.50
3766585.00      193.81169  (22122916)
        437249.50   3766605.00      236.09489  (22122916)                437249.50
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        437249.50   3766645.00      202.58555  (22122916)                437249.50
3766665.00      190.23286  (17013017)
        437249.50   3766685.00      195.45326  (17013017)                437249.50
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        437249.50   3766725.00      178.56529  (18111916)                437249.50
3766745.00      175.01844  (17020617)
        437249.50   3766765.00      156.03206  (17020617)                437249.50
3766785.00      132.64807  (22120420)
        437249.50   3766805.00      121.92841  (23120518)                437249.50
3766825.00      112.59766  (23120518)
        437249.50   3766845.00      103.58679  (17021101)                437249.50
3766865.00       97.50018  (17022023)
        436849.50   3766915.00       66.98206  (21013119)                436849.50
3766965.00       57.31838  (17120802)
        436849.50   3767015.00       50.20842  (17010121)                436849.50
3767065.00       45.42215  (21011119)
        436849.50   3767115.00       55.26671  (18020621)                436849.50
3767165.00       56.02775  (18020621)
        436899.50   3766915.00       73.44925  (17010121)                436899.50
3766965.00       62.76595  (22123016)
        436899.50   3767015.00       56.69483  (22123016)                436899.50
3767065.00       50.29407  (22123016)
        436899.50   3767115.00       57.69584  (23120818)                436899.50
3767165.00       57.46318  (22011520)
        436949.50   3766915.00       97.01928  (22123016)                436949.50
3766965.00       79.10342  (22123016)
        436949.50   3767015.00       64.54611  (22123016)                436949.50
3767065.00       57.02857  (21021602)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: COST   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        436949.50   3767115.00   57.38137 (21010920)   436949.50
3767165.00   57.95285 (21010920)
        436999.50   3766915.00   95.26130 (22123016)   436999.50
3766965.00   71.90796 (22123016)
        436999.50   3767015.00   72.19911 (23121822)   436999.50
3767065.00   68.01413 (23121822)
        436999.50   3767115.00   61.49223 (23121822)   436999.50
3767165.00   56.92808 (21020523)
        437049.50   3766915.00   86.40727 (22123020)   437049.50
3766965.00   71.65423 (22123020)
        437049.50   3767015.00   79.91953 (18010623)   437049.50
3767065.00   73.13738 (18010623)
        437049.50   3767115.00   66.88887 (18010623)   437049.50
3767165.00   61.14266 (18010623)
        437099.50   3766915.00   84.79782 (22021121)   437099.50
3766965.00   69.58146 (23011519)
        437099.50   3767015.00   77.18928 (21121718)   437099.50
3767065.00   71.54396 (21121718)
        437099.50   3767115.00   66.55799 (17020701)   437099.50
3767165.00   62.01408 (21011622)
        437149.50   3766915.00   81.92374 (17011019)   437149.50
3766965.00   68.81798 (22021121)

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        437149.50   3767015.00       70.39205  (22021121)              437149.50
3767065.00       69.58811  (17020921)
        437149.50   3767115.00       65.83968  (17020921)              437149.50
3767165.00       61.00558  (18022521)
        437199.50   3766915.00       85.69858  (17022718)              437199.50
3766965.00       67.90984  (23030501)
        437199.50   3767015.00       60.09835  (17011019)              437199.50
3767065.00       66.30704  (18021205)
        437199.50   3767115.00       65.22416  (21120303)              437199.50
3767165.00       60.78702  (18121917)
        437249.50   3766915.00       81.68364  (17021106)              437249.50
3766965.00       71.83757  (17022718)
        437249.50   3767015.00       66.40108  (17022718)              437249.50
3767065.00       61.35032  (21122307)
        437249.50   3767115.00       61.08682  (21122307)              437249.50
3767165.00       57.97385  (18020924)
        437299.50   3766915.00       74.85567  (17022023)              437299.50
3766965.00       66.14397  (17021106)
        437299.50   3767015.00       60.71441  (21122917)              437299.50
3767065.00       62.03772  (17022718)
        437299.50   3767115.00       59.83496  (17022718)              437299.50
3767165.00       55.30750  (17122617)
        437349.50   3766915.00       68.11980  (23120518)              437349.50
3766965.00       63.50041  (17022023)
        437349.50   3767015.00       58.92762  (17022023)              437349.50
3767065.00       57.95149  (17021022)
        437349.50   3767115.00       59.50587  (17022718)              437349.50
3767165.00       55.92291  (17022718)
        437399.50   3766915.00       61.89513  (23120518)              437399.50
3766965.00       60.16999  (17021101)
        437399.50   3767015.00       58.59282  (17022023)              437399.50
3767065.00       59.93172  (17012922)
        437399.50   3767115.00       59.23778  (17021022)              437399.50
3767165.00       55.03474  (17021521)
        437449.50   3766915.00       58.97437  (22021018)              437449.50
3766965.00       59.52789  (17021103)
        437449.50   3767015.00       58.89573  (23121620)              437449.50
3767065.00       57.86108  (17021101)
        437449.50   3767115.00       56.36970  (17021021)              437449.50
3767165.00       53.23056  (23010223)
        437499.50   3766915.00       58.53939  (22120420)              437499.50
3766965.00       60.03557  (17010601)
        437499.50   3767015.00       58.56975  (17122817)              437499.50
3767065.00       56.55413  (23121620)
        437499.50   3767115.00       54.51444  (17021101)              437499.50
3767165.00       52.03532  (17021021)
        437549.50   3766915.00       55.28067  (17021705)              437549.50
3766965.00       59.17281  (22021018)
        437549.50   3767015.00       57.13535  (22121917)              437549.50
3767065.00       56.04612  (17122817)
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       437549.50   3767115.00       52.87398  (17021701)               437549.50
3767165.00       49.65804  (17012819)
       437299.50   3766865.00       87.49917  (23120518)               437299.50
3766815.00      103.69477  (22120420)
       437299.50   3766765.00      122.80143  (22020823)               437299.50
3766715.00      138.42487  (18020819)
       437299.50   3766665.00      142.42154  (18122420)               437299.50
3766615.00      169.74518  (22122916)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       437299.50   3766565.00      125.96192  (22122916)               437299.50
3766515.00      106.30877  (23122022)
       437299.50   3766465.00       78.35639  (23010724)               437299.50
3766415.00       53.37607  (23010216)
       437299.50   3766365.00       44.55846  (23010216)               437299.50
3766315.00       35.27126  (21123016)
       437299.50   3766265.00       35.35023  (21123016)               437299.50
3766215.00       33.02445  (21123016)
       437299.50   3766165.00       29.35676  (21123016)               437349.50
3766865.00       76.05831  (17010904)
       437349.50   3766815.00       91.97241  (22120420)               437349.50
3766765.00      101.98944  (18120817)
       437349.50   3766715.00      109.59102  (18020819)               437349.50
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3766665.00      113.39484  (18122420)
        437349.50   3766615.00      119.15395  (22122916)                437349.50
3766565.00      109.76533  (22122916)
        437349.50   3766515.00       90.09482  (22120423)                437349.50
3766465.00       77.45756  (23122022)
        437349.50   3766415.00       56.26813  (23010724)                437349.50
3766365.00       39.50416  (23010216)
        437349.50   3766315.00       34.45826  (23010216)                437349.50
3766265.00       26.94192  (23010216)
        437349.50   3766215.00       25.43126  (21123016)                437349.50
3766165.00       25.31800  (21123016)
        437399.50   3766865.00       71.77139  (22120420)                437399.50
3766815.00       79.23945  (22020823)
        437399.50   3766765.00       86.15528  (18121118)                437399.50
3766715.00       91.05057  (22122217)
        437399.50   3766665.00       92.90991  (18122420)                437399.50
3766615.00       86.98300  (22021218)
        437399.50   3766565.00       91.61529  (22122916)                437399.50
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        437399.50   3766465.00       71.16950  (23122022)                437399.50
3766415.00       58.41764  (23010724)
        437399.50   3766365.00       42.01837  (23010724)                437399.50
3766315.00       30.48660  (23010216)
        437399.50   3766265.00       27.39670  (23010216)                437399.50
3766215.00       22.32975  (23010216)
        437399.50   3766165.00       18.35125  (21123016)                437449.50
3766865.00       63.56787  (22120420)
        437449.50   3766815.00       68.75922  (23010521)                437449.50
3766765.00       74.29562  (18020819)
        437449.50   3766715.00       76.68813  (22122217)                437449.50
3766665.00       77.96301  (18122420)
        437449.50   3766615.00       73.04904  (17021922)                437449.50
3766565.00       74.92298  (22122916)
        437449.50   3766515.00       66.28802  (18010119)                437449.50
3766465.00       61.92139  (22120423)
        437449.50   3766415.00       56.51770  (23122022)                437449.50
3766365.00       44.95758  (23010724)
        437449.50   3766315.00       32.18466  (23010724)                437449.50
3766265.00       24.26828  (23010216)
        437449.50   3766215.00       22.28368  (23010216)                437449.50
3766165.00       18.74987  (23010216)
        437499.50   3766865.00       56.61477  (21120906)                437499.50
3766815.00       60.51536  (22012018)
        437499.50   3766765.00       64.33571  (18020819)                437499.50
3766715.00       65.56497  (21121118)
        437499.50   3766665.00       66.64134  (18122420)                437499.50
3766615.00       62.87666  (22021020)
        437499.50   3766565.00       61.60462  (22021218)                437499.50
3766515.00       58.46085  (21011019)
        437499.50   3766465.00       55.02531  (22120423)                437499.50
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3766415.00       52.00119  (23122022)
        437499.50   3766365.00       45.05205  (23122022)                437499.50
3766315.00       35.49526  (23010724)
        437499.50   3766265.00       25.31957  (23010724)                437499.50
3766215.00       19.80104  (23010216)
        437499.50   3766165.00       18.47556  (23010216)                437549.50
3766865.00       51.23962  (22020823)
        437549.50   3766815.00       53.58563  (18121118)                437549.50
3766765.00       55.72786  (18020819)
        437549.50   3766715.00       57.08291  (21121118)                437549.50
3766665.00       57.86898  (18122420)
        437549.50   3766615.00       54.85246  (22021020)                437549.50
3766565.00       54.34328  (22021218)
        437549.50   3766515.00       51.63008  (21011019)                437549.50
3766465.00       49.02744  (18010718)
        437549.50   3766415.00       46.24861  (22120423)                437549.50
3766365.00       43.34461  (23122022)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        437549.50   3766315.00       36.51494  (23010724)                437549.50
3766265.00       28.27237  (23010724)
        437549.50   3766215.00       20.19252  (23010724)                437549.50
3766165.00       16.47155  (23010216)
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        437249.50   3766415.00       59.68340  (23010216)                437249.50
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        437249.50   3766315.00       48.81907  (21123016)                437249.50
3766265.00       42.23492  (21123016)
        437249.50   3766215.00       35.04307  (21123016)                437249.50
3766165.00       28.18900  (21123016)
        437199.50   3766415.00       79.91571  (21123016)                437199.50
3766365.00       65.74569  (21123016)
        437199.50   3766315.00       51.98628  (21123016)                437199.50
3766265.00       39.86860  (21123016)
        437199.50   3766215.00       29.87340  (21123016)                437199.50
3766165.00       22.03394  (21123016)
        437149.50   3766415.00       84.13014  (21123016)                437149.50
3766365.00       60.33698  (21123016)
        437149.50   3766315.00       42.32444  (21123016)                437149.50
3766265.00       29.23564  (21123016)
        437149.50   3766215.00       22.43044  (22122522)                437149.50
3766165.00       19.41877  (22020103)
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3766265.00       28.89036  (23022717)
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3766365.00       69.69672  (23022717)
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3766265.00       43.66894  (23022717)
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3766265.00       49.38640  (23022717)
        436999.50   3766215.00       41.07729  (23022717)                436999.50
3766165.00       34.57376  (23022717)
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3766365.00       80.49593  (22120216)
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3766265.00       51.62071  (22120216)
        436949.50   3766215.00       41.81975  (22120216)                436949.50
3766165.00       34.12310  (22120216)
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3766365.00       74.74047  (17121123)
        436899.50   3766315.00       59.42231  (17121123)                436899.50
3766265.00       47.39597  (22120216)
        436899.50   3766215.00       40.80268  (22120216)                436899.50
3766165.00       34.96618  (22120216)
        436849.50   3766415.00       82.79384  (23010921)                436849.50
3766365.00       71.47671  (17012920)
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3766365.00       66.51214  (22021222)
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3766365.00       62.50068  (21122916)
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3766265.00       45.78506  (22021222)
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3766165.00       37.60878  (17012920)
        436649.50   3766415.00       90.25183  (21122916)               436649.50
3766365.00       72.07103  (21122916)
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3766265.00       41.71008  (22011223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
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      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        436799.50   3766665.00      129.60526  (22021202)                436799.50
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
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, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3767565.00       34.45915  (23021201)
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                PAGE  65
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3765665.00        5.21580  (23010216)
        437949.50   3767165.00       33.87155  (22011824)                437949.50
3767065.00       34.12844  (17021102)
        437949.50   3766965.00       32.62459  (23020218)                437949.50
3766865.00       25.16983  (18020819)
        437949.50   3766765.00       25.77386  (21121118)                437949.50
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3766665.00       25.99396  (18122420)
        437949.50   3766565.00       24.37314  (17021922)                437949.50
3766465.00       23.93476  (18010719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        437949.50   3766365.00       22.57616  (21011019)                437949.50
3766265.00       21.53139  (22120423)
        437949.50   3766165.00       20.25317  (23122022)                437949.50
3766065.00       16.70455  (23010724)
        437949.50   3765965.00       11.64772  (23010724)                437949.50
3765865.00        6.97801  (23010724)
        437949.50   3765765.00        5.72383  (23010216)                437949.50
3765665.00        5.37760  (23010216)
        438049.50   3767165.00       31.38587  (21011718)                438049.50
3767065.00       30.44475  (22120124)
        438049.50   3766965.00       29.24514  (21120907)                438049.50
3766865.00       23.27203  (22122805)
        438049.50   3766765.00       22.23254  (17021019)                438049.50
3766665.00       22.46667  (18122420)
        438049.50   3766565.00       21.14455  (17021922)                438049.50
3766465.00       20.94521  (22021218)
        438049.50   3766365.00       20.09921  (21011019)                438049.50
3766265.00       19.04847  (18010718)
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        438049.50   3766165.00       17.72586  (18011906)              438049.50
3766065.00       16.45530  (23122022)
        438049.50   3765965.00       13.01529  (23010724)              438049.50
3765865.00        8.83273  (23010724)
        438049.50   3765765.00        5.48402  (22030520)              438049.50
3765665.00        4.70889  (23010216)
        437549.50   3766065.00       13.68938  (23010216)              437549.50
3765965.00        9.02077  (23010216)
        437549.50   3765865.00        9.75799  (21123016)              437549.50
3765765.00        9.69155  (21123016)
        437549.50   3765665.00        8.65614  (21123016)              437449.50
3766065.00       14.57305  (21123016)
        437449.50   3765965.00       14.82051  (21123016)              437449.50
3765865.00       13.00907  (21123016)
        437449.50   3765765.00       10.34685  (21123016)              437449.50
3765665.00        7.69944  (21123016)
        437349.50   3766065.00       21.56523  (21123016)              437349.50
3765965.00       16.11740  (21123016)
        437349.50   3765865.00       11.11997  (21123016)              437349.50
3765765.00        8.07923  (23012319)
        437349.50   3765665.00        7.03386  (23010623)              437249.50
3766065.00       17.14869  (21123016)
        437249.50   3765965.00       11.75819  (23010623)              437249.50
3765865.00        9.86558  (23122019)
        437249.50   3765765.00        8.39387  (22122522)              437249.50
3765665.00        7.23338  (22020103)
        437149.50   3766065.00       15.16506  (17121102)              437149.50
3765965.00       12.35945  (17121102)
        437149.50   3765865.00       10.28133  (17121102)              437149.50
3765765.00        8.67871  (17121102)
        437149.50   3765665.00        7.45343  (17121102)              437049.50
3766065.00       21.08151  (23022717)
        437049.50   3765965.00       15.67362  (23022717)              437049.50
3765865.00       12.02070  (23022717)
        437049.50   3765765.00        9.44628  (23022717)              437049.50
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        436949.50   3765865.00       15.55724  (23022717)              436949.50
3765765.00       12.57776  (23022717)
        436949.50   3765665.00       10.29862  (23022717)              436849.50
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        436849.50   3765965.00       19.30607  (22120216)              436849.50
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        436849.50   3765765.00       11.83415  (22120216)              436849.50
3765665.00        9.30320  (22120216)
        436749.50   3766065.00       31.37404  (17121123)              436749.50
3765965.00       22.76198  (17121123)
        436749.50   3765865.00       16.41865  (17121123)              436749.50
3765765.00       11.49697  (22120216)
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        436749.50   3765665.00        9.82548  (22120216)               436649.50
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        436649.50   3765965.00       25.22734  (17121123)               436649.50
3765865.00       21.03255  (17121123)
        436649.50   3765765.00       15.97925  (17121123)               436649.50
3765665.00       12.06617  (17121123)
        436549.50   3766065.00       26.65041  (21022023)               436549.50
3765965.00       23.11354  (17021522)
        436549.50   3765865.00       20.38239  (17012920)               436549.50
3765765.00       17.37102  (17121123)
        436549.50   3765665.00       14.83706  (17121123)               436449.50
3766065.00       23.80338  (22011223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        436449.50   3765965.00       21.30724  (22021222)               436449.50
3765865.00       18.89431  (18011223)
        436449.50   3765765.00       16.67782  (17012920)               436449.50
3765665.00       14.76285  (17121123)
        436349.50   3766065.00       21.81019  (22011222)               436349.50
3765965.00       19.27703  (22011223)
        436349.50   3765865.00       17.68963  (22021222)               436349.50
3765765.00       15.64724  (22122424)
        436349.50   3765665.00       14.26057  (17012920)               436249.50
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        436249.50   3765965.00       17.82364  (22011222)                436249.50
3765865.00       16.02721  (22011223)
        436249.50   3765765.00       14.50667  (22021222)                436249.50
3765665.00       13.10259  (22122424)
        436149.50   3766065.00       19.88114  (21122916)                436149.50
3765965.00       15.96269  (18010903)
        436149.50   3765865.00       14.84367  (22011222)                436149.50
3765765.00       13.11997  (22011223)
        436149.50   3765665.00       12.35446  (22021222)                436049.50
3766065.00       17.10737  (21122916)
        436049.50   3765965.00       14.74956  (21122916)                436049.50
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        436449.50   3766565.00       41.04204  (18121706)                436449.50
3766665.00       41.47396  (18120606)
        436449.50   3766765.00       41.38214  (23121718)                436449.50
3766865.00       38.40518  (21013123)
        436449.50   3766965.00       34.95129  (23120517)                436449.50
3767065.00       25.98680  (23123005)
        436449.50   3767165.00       26.04318  (22011519)                436449.50
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        436449.50   3767565.00       26.86643  (21123020)                436449.50
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        436349.50   3766165.00       28.22656  (21122916)                436349.50
3766265.00       32.37535  (21122916)
        436349.50   3766365.00       29.78731  (22011124)                436349.50
3766465.00       32.05532  (17010723)
        436349.50   3766565.00       33.32350  (18121706)                436349.50
3766665.00       33.57790  (18120606)
        436349.50   3766765.00       33.31535  (23121718)                436349.50
3766865.00       31.76521  (17122819)
        436349.50   3766965.00       29.66740  (18021623)                436349.50
3767065.00       26.16984  (23123005)
        436349.50   3767165.00       19.63236  (23021020)                436349.50
3767265.00       26.92571  (22011702)
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3767465.00       26.61291  (21120305)
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3767665.00       24.36370  (18010218)
        436249.50   3766165.00       26.11457  (21122916)                436249.50
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        436249.50   3766565.00       27.81061  (21013122)                436249.50
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        436249.50   3766765.00       27.41260  (23121719)                436249.50
3766865.00       26.77598  (17020505)
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3767065.00       23.82868  (23120517)
        436249.50   3767165.00       19.52158  (23123005)                436249.50
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3767465.00       23.13574  (18021322)
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3766265.00       20.87386  (22011124)
        436149.50   3766365.00       22.01548  (23121424)                436149.50
3766465.00       22.94723  (18121023)
        436149.50   3766565.00       23.87213  (21013122)                436149.50
3766665.00       23.88810  (18120606)
        436149.50   3766765.00       23.21028  (21121003)                436149.50
3766865.00       22.87898  (23121718)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        436149.50   3767165.00       19.13127  (23123005)              436149.50
3767265.00       18.54920  (18022703)
        436149.50   3767365.00       21.98464  (18120519)              436149.50
3767465.00       21.95553  (22011702)
        436149.50   3767565.00       21.27282  (23123103)              436149.50
3767665.00       21.49796  (21120305)
        436049.50   3766165.00       17.33354  (18012403)              436049.50
3766265.00       18.55518  (23121022)
        436049.50   3766365.00       19.45599  (17010723)              436049.50
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        436049.50   3766565.00       20.66807  (18120602)              436049.50
3766665.00       20.63758  (18120606)
        436049.50   3766765.00       20.10189  (23021305)              436049.50
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3767065.00       18.44448  (21013121)
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3767265.00       18.43384  (22021201)
        436049.50   3767365.00       21.03504  (23121420)              436049.50
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        436649.50   3768065.00       22.74947  (23011607)              436649.50
3768265.00       20.87961  (23122405)
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3768665.00       17.18279  (18020821)
        436849.50   3767865.00       27.35989  (18010803)              436849.50
3768065.00       24.31302  (18010602)
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3767865.00       27.90913  (23010318)
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3768065.00       25.43233  (17020623)
        437249.50   3768265.00       22.16428  (17020623)               437249.50
3768465.00       19.85713  (21020119)
        437249.50   3768665.00       18.01203  (21020119)               437449.50
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3768265.00       21.52432  (17020318)
        437449.50   3768465.00       19.76461  (21021008)               437449.50
3768665.00       17.90328  (21021008)
        437649.50   3767865.00       26.16129  (23020321)               437649.50
3768065.00       23.24510  (17020323)
        437649.50   3768265.00       21.23066  (22120218)               437649.50
3768465.00       18.52127  (22012918)
        437649.50   3768665.00       17.26227  (22012918)               437849.50
3767865.00       25.90707  (23122407)
        437849.50   3768065.00       23.36437  (23021201)               437849.50
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3768665.00       16.89650  (18010508)
        438049.50   3767865.00       23.81316  (22122724)               438049.50
3768065.00       22.02434  (22011902)
        438049.50   3768265.00       19.79402  (17012124)               438049.50
3768465.00       17.80325  (23021201)
        438049.50   3768665.00       15.76304  (23020321)               438249.50
3767865.00       21.31073  (23121817)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
438249.50	3768065.00	20.01682	(22122724)	438249.50	3768265.00	18.60209	(23011822)
438249.50	3768465.00	17.59586	(17010420)	438249.50	3768665.00	16.26801	(17012124)
438449.50	3767865.00	19.46326	(21022722)	438449.50	3768065.00	18.46942	(18032121)
438449.50	3768265.00	17.42492	(23010603)	438449.50	3768465.00	16.66408	(17020924)
438449.50	3768665.00	15.63483	(18011718)	438649.50	3767865.00	17.48751	(18122303)
438649.50	3768065.00	16.98830	(22012620)	438649.50	3768265.00	16.22554	(23051806)
438649.50	3768465.00	15.57203	(17021104)	438649.50	3768665.00	14.76483	(17020924)
438849.50	3767865.00	16.43956	(17021105)	438849.50	3768065.00	15.67923	(18012221)
438849.50	3768265.00	15.11659	(22012620)	438849.50	3768465.00	14.57247	(23051806)
438849.50	3768665.00	13.94464	(17021104)	439049.50	3767865.00	14.72492	(18122301)
439049.50	3768065.00	14.41938	(21120321)	439049.50	3768265.00	14.07622	(22021123)
439049.50	3768465.00	13.56032	(21020205)	439049.50	3768665.00	13.20473	(23051806)
438249.50	3767665.00	22.92723	(22021123)	438249.50	3767465.00	23.33979	(21120624)
438249.50	3767265.00	26.06466	(21011718)	438249.50	3767065.00	26.00098	(18020921)
438249.50	3766865.00	23.41704	(17120320)	438249.50	3766665.00	17.44539	(18122420)
438249.50	3766465.00	16.65209	(22021218)	438249.50	3766265.00	15.12130	(22122922)
438249.50	3766065.00	13.73286	(18011906)	438249.50	3765865.00	10.90743	(23010724)
438249.50	3765665.00	5.46026	(23010724)	438249.50	3765465.00	3.41449	(22021119)
438249.50	3765265.00	2.98317	(17120219)	438249.50	3765065.00	2.60615	(18020321)
438249.50	3764865.00	2.37639	(21122303)	438249.50	3764665.00	2.25684	(21122303)
438449.50	3767665.00	20.09204	(18021001)	438449.50			

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3767465.00       21.68897  (22011824)
        438449.50   3767265.00       22.02931  (17011020)                438449.50
3767065.00       20.38991  (17010923)
        438449.50   3766865.00       18.07598  (23010906)                438449.50
3766665.00       16.05021  (18122420)
        438449.50   3766465.00       13.36015  (22021218)                438449.50
3766265.00       12.61282  (21011019)
        438449.50   3766065.00       11.70993  (23121917)                438449.50
3765865.00       10.73115  (23122022)
        438449.50   3765665.00        7.41401  (23010724)                438449.50
3765465.00        3.54943  (22030520)
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3765065.00        2.44122  (18012318)
        438449.50   3764865.00        2.17251  (21022621)                438449.50
3764665.00        1.96768  (21020322)
        438649.50   3767665.00       17.79291  (21120417)                438649.50
3767465.00       19.28695  (21011718)
        438649.50   3767265.00       18.54396  (21123017)                438649.50
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        438649.50   3766865.00       12.49896  (21121118)                438649.50
3766665.00       11.68475  (18122420)
        438649.50   3766465.00       11.03052  (22121517)                438649.50
3766265.00       10.68516  (23012419)
        438649.50   3766065.00       10.01273  (18010718)                438649.50
3765865.00        9.24362  (18011906)
        438649.50   3765665.00        8.08328  (23010724)                438649.50
3765465.00        5.00344  (23010724)
        438649.50   3765265.00        2.50975  (22030520)                438649.50
3765065.00        2.27113  (22021119)
        438649.50   3764865.00        2.04917  (18012318)                438649.50
3764665.00        1.84453  (21022621)
        438849.50   3767665.00       17.05262  (21120508)                438849.50
3767465.00       17.15374  (22120424)
        438849.50   3767265.00       16.93465  (21122221)                438849.50
3767065.00       15.65198  (18010921)
        438849.50   3766865.00       13.87500  (17010423)                438849.50
3766665.00        9.90392  (18122420)
        438849.50   3766465.00        9.38275  (17123119)                438849.50
3766265.00        9.13483  (18010719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
```

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, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3765865.00        8.26706  (22120423)
        438849.50   3765665.00        7.73462  (23122022)               438849.50
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        438849.50   3765265.00        3.49213  (23010724)               438849.50
3765065.00        2.04341  (21120517)
        438849.50   3764865.00        1.91462  (22021119)               438849.50
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        439049.50   3767665.00       15.62631  (21011718)               439049.50
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        439049.50   3767265.00       14.45243  (23121318)               439049.50
3767065.00       13.59640  (17022124)
        439049.50   3766865.00       12.96718  (21011218)               439049.50
3766665.00        8.53842  (18122420)
        439049.50   3766465.00        8.12120  (17021922)               439049.50
3766265.00        8.01844  (18010719)
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        439049.50   3765265.00        4.39914  (23010724)               439049.50
3765065.00        2.48298  (23010724)
        439049.50   3764865.00        1.73162  (21120517)               439049.50
3764665.00        1.64871  (22021119)
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3765265.00        3.23754  (21020322)
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        438049.50   3764665.00        2.40214  (21123016)               437849.50
3765465.00        4.29610  (21122303)
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3765065.00        3.52982  (21123016)
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        437649.50   3765465.00        6.14504  (21123016)                437649.50
3765265.00        4.23568  (21123016)
        437649.50   3765065.00        3.48484  (23012422)                437649.50
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        437649.50   3764665.00        2.61924  (23010623)                437449.50
3765465.00        5.34643  (23012319)
        437449.50   3765265.00        4.36433  (23010623)                437449.50
3765065.00        3.65293  (23122019)
        437449.50   3764865.00        3.10846  (22020103)                437449.50
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        437249.50   3765465.00        5.64658  (17121102)                437249.50
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3765065.00        3.79803  (21122320)
        437049.50   3764865.00        3.21130  (21122320)                437049.50
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3765265.00        5.38808  (23022717)
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        436849.50   3764665.00        2.89143  (23022717)                436649.50
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        436649.50   3765265.00        5.16718  (22120216)                436649.50
3765065.00        3.93368  (22120216)
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        436449.50   3765465.00       11.78145  (17121123)                436449.50
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        436449.50   3765065.00        4.96539  (17121123)                436449.50
3764865.00        3.02353  (17121123)
        436449.50   3764665.00        2.51141  (22120216)                436249.50
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3765065.00        7.72695  (17121123)
        436249.50   3764865.00        5.61115  (17121123)                436249.50
3764665.00        3.83400  (17121123)
        436049.50   3765465.00       10.15554  (22020802)                436049.50
3765265.00        8.86737  (17021522)
        436049.50   3765065.00        7.70311  (17012619)                436049.50
3764865.00        6.81215  (17121123)
        436049.50   3764665.00        5.55671  (17121123)                435849.50
3765465.00        9.01916  (22011223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: COST   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

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        435849.50   3765665.00       10.34134  (22011222)                435849.50
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        435849.50   3766065.00       13.42045  (18012403)                435849.50
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        435849.50   3766465.00       15.63782  (21120707)                435849.50
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        435849.50   3766865.00       16.07964  (23121718)                435849.50
3767065.00       14.91989  (21013123)
        435849.50   3767265.00       16.49639  (22021201)                435849.50
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        435849.50   3767665.00       17.82170  (17022024)                435849.50
3767865.00       17.11979  (23020720)
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3768665.00       13.59909  (23021523)
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3767465.00       15.49408  (22021201)
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        435649.50   3768065.00       14.27603  (23020720)                435649.50
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3766265.00       10.17391  (18121023)
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3767065.00        8.80234  (23121718)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                   PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  COST     ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3767465.00        8.09426  (18021623)
        435249.50   3767665.00       10.64489  (22021201)                435249.50
3767865.00       10.04090  (21012720)
        435249.50   3768065.00       10.49962  (18120520)                435249.50
3768265.00       10.63924  (22121101)
        435249.50   3768465.00       10.76292  (17021702)                435249.50
3768665.00       10.60899  (17123021)
        435049.50   3765665.00        6.49994  (18012403)                435049.50
3765865.00        7.01398  (23121022)
        435049.50   3766065.00        7.31821  (21010918)                435049.50
3766265.00        7.61674  (21120707)
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3766665.00        7.92855  (18120606)
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        435049.50   3766865.00        7.75024  (23021305)                435049.50
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3767465.00        7.13454  (21013121)
        435049.50   3767665.00        7.64295  (23120517)                435049.50
3767865.00        9.40903  (22021124)
        435049.50   3768065.00        9.26457  (23122103)                435049.50
3768265.00        9.46428  (18120520)
        435049.50   3768465.00        9.84753  (22121101)                435049.50
3768665.00        9.64521  (17021702)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        436849.50   3766465.00      111.01312  (21122916)                436849.50
3766485.00      154.66143  (21122916)
        436849.50   3766505.00      202.70838  (21122916)                436849.50
3766525.00      246.39695  (21122916)
        436849.50   3766545.00      269.10501  (21122916)                436849.50
3766565.00      255.41363  (21122916)
        436849.50   3766585.00      208.95411  (21122916)                436849.50
3766605.00      224.91963  (22091807)
        436849.50   3766625.00      241.95786  (22091807)                436849.50
3766645.00      220.11930  (22091807)
        436849.50   3766665.00      169.87157  (21010621)                436849.50
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3766685.00      184.58983  (17040407)
        436849.50   3766705.00      180.25519  (17040407)              436849.50
3766725.00      165.92825  (17101517)
        436849.50   3766745.00      169.90196  (17101517)              436849.50
3766765.00      159.23474  (22012917)
        436849.50   3766785.00      158.43221  (22012917)              436849.50
3766805.00      145.73721  (22012917)
        436849.50   3766825.00      126.65082  (22012917)              436849.50
3766845.00      105.49545  (22012917)
        436849.50   3766865.00       84.97305  (22012917)              436869.50
3766465.00      105.52636  (22021222)
        436869.50   3766485.00      138.28662  (21122916)              436869.50
3766505.00      192.03169  (21122916)
        436869.50   3766525.00      250.47998  (21122916)              436869.50
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        436869.50   3766565.00      311.51883  (21122916)              436869.50
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        436869.50   3766725.00      202.27751  (17101517)              436869.50
3766745.00      192.12086  (17101517)
        436869.50   3766765.00      191.10233  (22012917)              436869.50
3766785.00      175.86902  (22012917)
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3766825.00      124.82676  (22012917)
        436869.50   3766845.00       99.37940  (22012917)              436869.50
3766865.00       82.69097  (22121718)
        436889.50   3766465.00      110.93464  (23010921)              436889.50
3766485.00      122.34594  (22021222)
        436889.50   3766545.00      314.03637  (21122916)              436889.50
3766565.00      364.71203  (21122916)
        436889.50   3766585.00      352.19513  (21122916)              436889.50
3766725.00      239.66551  (17101517)
        436889.50   3766745.00      234.18019  (22012917)              436889.50
3766765.00      215.93846  (22012917)
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3766805.00      149.50061  (22012917)
        436889.50   3766825.00      117.50220  (22012917)              436889.50
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        436889.50   3766865.00       86.95793  (21013119)              436909.50
3766465.00      118.28427  (17012920)
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3766465.00      131.13261  (22120216)
        436949.50   3766485.00      146.09822  (22120216)                436949.50
3766725.00      358.61979  (22012917)
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3766765.00      209.84795  (22012917)
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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3766765.00      230.92879  (22123016)
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        436969.50   3766865.00      126.72589  (22123016)              436989.50
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        436989.50   3766745.00      268.20860  (22123016)              436989.50
3766765.00      232.95264  (22123016)
        436989.50   3766785.00      202.58549  (22123016)              436989.50
3766805.00      178.88144  (22123016)
        436989.50   3766825.00      158.86160  (22123016)              436989.50
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        436989.50   3766865.00      127.10608  (22123016)              437009.50
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        437009.50   3766845.00      139.58176  (22123016)              437009.50
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        437049.50   3766805.00      167.03724  (22123016)              437049.50
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        437049.50   3766845.00      120.79020  (22123016)              437049.50
3766865.00      106.34657  (22123020)
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3766805.00      148.15181  (22123016)
        437069.50   3766825.00      125.87871  (21121718)              437069.50
3766845.00      115.64989  (21121718)
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        437089.50   3766805.00      142.73235  (22021121)              437089.50
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        437089.50   3766845.00      115.67026  (22021121)              437089.50
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3766805.00      140.01652  (22021121)
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3766785.00      167.61625  (17022718)
        437129.50   3766805.00      147.12889  (17022718)              437129.50
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3766805.00      148.87671  (17022718)
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        437169.50   3766845.00      119.42592  (17022718)               437169.50
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        437189.50   3766465.00       99.68916  (21123016)               437189.50
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3766565.00      184.10541  (23122022)
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        437189.50   3766665.00      301.24590  (21050807)               437189.50
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        437189.50   3766705.00      355.73991  (17020617)               437189.50
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        437189.50   3766745.00      243.91186  (17020617)               437189.50
3766765.00      180.66831  (21061519)
        437189.50   3766785.00      156.93084  (23020217)               437189.50
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        437189.50   3766825.00      127.96569  (17021106)               437189.50
3766845.00      116.54642  (18021824)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437189.50	3766865.00	107.34763	(18021824)	437209.50	3766465.00	83.75434	(23010216)
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437209.50	3766525.00	123.63853	(23010724)	437209.50	3766545.00	150.21714	(23122022)
437209.50	3766565.00	175.56682	(23122022)	437209.50	3766585.00	214.18291	(22122916)
437209.50	3766605.00	298.63282	(22122916)	437209.50	3766625.00	323.39550	(22122916)
437209.50	3766645.00	293.86668	(22122916)	437209.50	3766665.00	253.44244	(17013017)
437209.50	3766685.00	263.36065	(18111916)	437209.50	3766705.00	274.73923	(17020617)
437209.50	3766725.00	271.38739	(17020617)	437209.50	3766745.00	229.74495	(17020617)
437209.50	3766765.00	176.31446	(17020617)	437209.50	3766785.00	151.17390	(21061519)
437209.50	3766805.00	134.40982	(17021101)	437209.50	3766825.00	124.38390	(17022023)
437209.50	3766845.00	113.40059	(17021106)	437209.50	3766865.00	103.85979	(17021106)
437229.50	3766465.00	82.02888	(23010216)	437229.50	3766485.00	90.20903	(23010216)
437229.50	3766505.00	103.47374	(23010724)	437229.50	3766525.00	125.32842	(23010724)
437229.50	3766545.00	146.76620	(23122022)	437229.50	3766565.00	162.55044	(23122022)
437229.50	3766585.00	205.78207	(22122916)	437229.50	3766605.00	266.20983	(22122916)
437229.50	3766625.00	278.56584	(22122916)	437229.50	3766645.00	244.73718	(22122916)
437229.50	3766665.00	220.15366	(17013017)	437229.50	3766685.00	223.26767	(17013017)
437229.50	3766705.00	227.73417	(18111916)	437229.50	3766725.00	221.32262	(17020617)
437229.50	3766745.00	204.31186	(17020617)	437229.50	3766765.00	169.69700	(17020617)
437229.50	3766785.00	140.07025	(23120518)	437229.50	3766805.00	128.71781	(23120518)
437229.50	3766825.00	117.38490	(17021101)	437229.50	3766845.00	109.70180	(17022023)
437229.50	3766865.00	101.17079	(17022023)	437249.50			

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        437249.50   3766525.00      124.02037  (23122022)                437249.50
3766545.00      139.44991  (23122022)
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3766625.00      238.83465  (22122916)
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3766745.00      175.01844  (17020617)
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        436849.50   3767015.00       50.20842  (17010121)                436849.50
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3767165.00       56.02775  (18020621)
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3766965.00       62.76595  (22123016)
        436899.50   3767015.00       56.69483  (22123016)                436899.50
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        436899.50   3767115.00       57.69584  (23120818)                436899.50
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        436949.50   3766915.00       97.01928  (22123016)                436949.50
3766965.00       79.10342  (22123016)
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3767065.00       57.02857  (21021602)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3766965.00       71.83757  (17022718)
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3767165.00       57.97385  (18020924)
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3767065.00       62.03772  (17022718)
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3767165.00       55.30750  (17122617)
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        437349.50   3767015.00       58.92762  (17022023)               437349.50
3767065.00       57.95149  (17021022)
        437349.50   3767115.00       59.50587  (17022718)               437349.50
3767165.00       55.92291  (17022718)
        437399.50   3766915.00       61.89513  (23120518)               437399.50
3766965.00       60.16999  (17021101)
        437399.50   3767015.00       58.59282  (17022023)               437399.50
3767065.00       59.93172  (17012922)
        437399.50   3767115.00       59.23778  (17021022)               437399.50
3767165.00       55.03474  (17021521)
        437449.50   3766915.00       58.97437  (22021018)               437449.50
3766965.00       59.52789  (17021103)
        437449.50   3767015.00       58.89573  (23121620)               437449.50
3767065.00       57.86108  (17021101)
        437449.50   3767115.00       56.36970  (17021021)               437449.50
3767165.00       53.23056  (23010223)
        437499.50   3766915.00       58.53939  (22120420)               437499.50
3766965.00       60.03557  (17010601)
        437499.50   3767015.00       58.56975  (17122817)               437499.50
3767065.00       56.55413  (23121620)
        437499.50   3767115.00       54.51444  (17021101)               437499.50
3767165.00       52.03532  (17021021)
        437549.50   3766915.00       55.28067  (17021705)               437549.50
3766965.00       59.17281  (22021018)
        437549.50   3767015.00       57.13535  (22121917)               437549.50
3767065.00       56.04612  (17122817)
        437549.50   3767115.00       52.87398  (17021701)               437549.50
3767165.00       49.65804  (17012819)
        437299.50   3766865.00       87.49917  (23120518)               437299.50
3766815.00      103.69477  (22120420)
        437299.50   3766765.00      122.80143  (22020823)               437299.50
3766715.00      138.42487  (18020819)
        437299.50   3766665.00      142.42154  (18122420)               437299.50
3766615.00      169.74518  (22122916)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437299.50	3766565.00	125.96192	(22122916)	437299.50	3766515.00	106.30877	(23122022)
437299.50	3766465.00	78.35639	(23010724)	437299.50	3766415.00	53.37607	(23010216)
437299.50	3766365.00	44.55846	(23010216)	437299.50	3766315.00	35.27126	(21123016)
437299.50	3766265.00	35.35023	(21123016)	437299.50	3766215.00	33.02445	(21123016)
437299.50	3766165.00	29.35676	(21123016)	437349.50	3766865.00	76.05831	(17010904)
437349.50	3766815.00	91.97241	(22120420)	437349.50	3766765.00	101.98944	(18120817)
437349.50	3766715.00	109.59102	(18020819)	437349.50	3766665.00	113.39484	(18122420)
437349.50	3766615.00	119.15395	(22122916)	437349.50	3766565.00	109.76533	(22122916)
437349.50	3766515.00	90.09482	(22120423)	437349.50	3766465.00	77.45756	(23122022)
437349.50	3766415.00	56.26813	(23010724)	437349.50	3766365.00	39.50416	(23010216)
437349.50	3766315.00	34.45826	(23010216)	437349.50	3766265.00	26.94192	(23010216)
437349.50	3766215.00	25.43126	(21123016)	437349.50	3766165.00	25.31800	(21123016)
437399.50	3766865.00	71.77139	(22120420)	437399.50			

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3766815.00       79.23945  (22020823)
        437399.50   3766765.00       86.15528  (18121118)                437399.50
3766715.00       91.05057  (22122217)
        437399.50   3766665.00       92.90991  (18122420)                437399.50
3766615.00       86.98300  (22021218)
        437399.50   3766565.00       91.61529  (22122916)                437399.50
3766515.00       76.76030  (18010718)
        437399.50   3766465.00       71.16950  (23122022)                437399.50
3766415.00       58.41764  (23010724)
        437399.50   3766365.00       42.01837  (23010724)                437399.50
3766315.00       30.48660  (23010216)
        437399.50   3766265.00       27.39670  (23010216)                437399.50
3766215.00       22.32975  (23010216)
        437399.50   3766165.00       18.35125  (21123016)                437449.50
3766865.00       63.56787  (22120420)
        437449.50   3766815.00       68.75922  (23010521)                437449.50
3766765.00       74.29562  (18020819)
        437449.50   3766715.00       76.68813  (22122217)                437449.50
3766665.00       77.96301  (18122420)
        437449.50   3766615.00       73.04904  (17021922)                437449.50
3766565.00       74.92298  (22122916)
        437449.50   3766515.00       66.28802  (18010119)                437449.50
3766465.00       61.92139  (22120423)
        437449.50   3766415.00       56.51770  (23122022)                437449.50
3766365.00       44.95758  (23010724)
        437449.50   3766315.00       32.18466  (23010724)                437449.50
3766265.00       24.26828  (23010216)
        437449.50   3766215.00       22.28368  (23010216)                437449.50
3766165.00       18.74987  (23010216)
        437499.50   3766865.00       56.61477  (21120906)                437499.50
3766815.00       60.51536  (22012018)
        437499.50   3766765.00       64.33571  (18020819)                437499.50
3766715.00       65.56497  (21121118)
        437499.50   3766665.00       66.64134  (18122420)                437499.50
3766615.00       62.87666  (22021020)
        437499.50   3766565.00       61.60462  (22021218)                437499.50
3766515.00       58.46085  (21011019)
        437499.50   3766465.00       55.02531  (22120423)                437499.50
3766415.00       52.00119  (23122022)
        437499.50   3766365.00       45.05205  (23122022)                437499.50
3766315.00       35.49526  (23010724)
        437499.50   3766265.00       25.31957  (23010724)                437499.50
3766215.00       19.80104  (23010216)
        437499.50   3766165.00       18.47556  (23010216)                437549.50
3766865.00       51.23962  (22020823)
        437549.50   3766815.00       53.58563  (18121118)                437549.50
3766765.00       55.72786  (18020819)
        437549.50   3766715.00       57.08291  (21121118)                437549.50
3766665.00       57.86898  (18122420)
        437549.50   3766615.00       54.85246  (22021020)                437549.50
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3766565.00       54.34328  (22021218)
        437549.50   3766515.00       51.63008  (21011019)                437549.50
3766465.00       49.02744  (18010718)
        437549.50   3766415.00       46.24861  (22120423)                437549.50
3766365.00       43.34461  (23122022)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        437549.50   3766315.00       36.51494  (23010724)                437549.50
3766265.00       28.27237  (23010724)
        437549.50   3766215.00       20.19252  (23010724)                437549.50
3766165.00       16.47155  (23010216)
        437249.50   3766415.00       59.68340  (23010216)                437249.50
3766365.00       53.19923  (21123016)
        437249.50   3766315.00       48.81907  (21123016)                437249.50
3766265.00       42.23492  (21123016)
        437249.50   3766215.00       35.04307  (21123016)                437249.50
3766165.00       28.18900  (21123016)
        437199.50   3766415.00       79.91571  (21123016)                437199.50
3766365.00       65.74569  (21123016)
        437199.50   3766315.00       51.98628  (21123016)                437199.50
3766265.00       39.86860  (21123016)
        437199.50   3766215.00       29.87340  (21123016)                437199.50
3766165.00       22.03394  (21123016)
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        437149.50   3766415.00       84.13014  (21123016)              437149.50
3766365.00       60.33698  (21123016)
        437149.50   3766315.00       42.32444  (21123016)              437149.50
3766265.00       29.23564  (21123016)
        437149.50   3766215.00       22.43044  (22122522)              437149.50
3766165.00       19.41877  (22020103)
        437099.50   3766415.00       65.73699  (21123016)              437099.50
3766365.00       46.35134  (23022717)
        437099.50   3766315.00       36.03747  (23022717)              437099.50
3766265.00       28.89036  (23022717)
        437099.50   3766215.00       23.70056  (23022717)              437099.50
3766165.00       19.97024  (17121102)
        437049.50   3766415.00       91.42220  (23022717)              437049.50
3766365.00       69.69672  (23022717)
        437049.50   3766315.00       54.57357  (23022717)              437049.50
3766265.00       43.66894  (23022717)
        437049.50   3766215.00       35.61761  (23022717)              437049.50
3766165.00       29.52297  (23022717)
        436999.50   3766415.00      106.47499  (22120216)              436999.50
3766365.00       78.29718  (22120216)
        436999.50   3766315.00       60.26269  (23022717)              436999.50
3766265.00       49.38640  (23022717)
        436999.50   3766215.00       41.07729  (23022717)              436999.50
3766165.00       34.57376  (23022717)
        436949.50   3766415.00      101.97154  (22120216)              436949.50
3766365.00       80.49593  (22120216)
        436949.50   3766315.00       64.22241  (22120216)              436949.50
3766265.00       51.62071  (22120216)
        436949.50   3766215.00       41.81975  (22120216)              436949.50
3766165.00       34.12310  (22120216)
        436899.50   3766415.00       91.28100  (17121123)              436899.50
3766365.00       74.74047  (17121123)
        436899.50   3766315.00       59.42231  (17121123)              436899.50
3766265.00       47.39597  (22120216)
        436899.50   3766215.00       40.80268  (22120216)              436899.50
3766165.00       34.96618  (22120216)
        436849.50   3766415.00       82.79384  (23010921)              436849.50
3766365.00       71.47671  (17012920)
        436849.50   3766315.00       61.68067  (17121123)              436849.50
3766265.00       52.95013  (17121123)
        436849.50   3766215.00       43.83746  (17121123)              436849.50
3766165.00       35.76429  (17121123)
        436799.50   3766415.00       75.27372  (22011223)              436799.50
3766365.00       66.51214  (22021222)
        436799.50   3766315.00       58.53532  (17012920)              436799.50
3766265.00       51.99115  (17012920)
        436799.50   3766215.00       46.05106  (17121123)              436799.50
3766165.00       40.15399  (17121123)
        436749.50   3766415.00       92.81438  (21122916)              436749.50
3766365.00       61.03889  (22011223)
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        436749.50   3766315.00       55.14277  (22021222)               436749.50
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        436749.50   3766215.00       44.16788  (17012920)               436749.50
3766165.00       39.41043  (17121123)
        436699.50   3766415.00      100.17909  (21122916)               436699.50
3766365.00       62.50068  (21122916)
        436699.50   3766315.00       49.52994  (22011223)               436699.50
3766265.00       45.78506  (22021222)
        436699.50   3766215.00       40.93062  (23010921)               436699.50
3766165.00       37.60878  (17012920)
        436649.50   3766415.00       90.25183  (21122916)               436649.50
3766365.00       72.07103  (21122916)
        436649.50   3766315.00       46.09617  (22011222)               436649.50
3766265.00       41.71008  (22011223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        436649.50   3766215.00       38.70659  (22021222)               436649.50
3766165.00       35.23933  (22122424)
        436599.50   3766415.00       70.92101  (21122916)               436599.50
3766365.00       70.70740  (21122916)
        436599.50   3766315.00       52.51141  (21122916)               436599.50
3766265.00       39.16408  (22011222)
        436599.50   3766215.00       35.66615  (22011223)               436599.50
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3766165.00       33.56126  (22021222)
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3766365.00       61.21781  (21122916)
        436549.50   3766315.00       54.98788  (21122916)                436549.50
3766265.00       38.87317  (21122916)
        436549.50   3766215.00       33.25170  (22011222)                436549.50
3766165.00       30.59937  (22011223)
        436799.50   3766465.00      141.61235  (21122916)                436799.50
3766515.00      194.24149  (21122916)
        436799.50   3766565.00      135.89554  (21122916)                436799.50
3766615.00      176.02325  (22091807)
        436799.50   3766665.00      129.60526  (22021202)                436799.50
3766715.00      125.42554  (17122819)
        436799.50   3766765.00      117.32784  (17101517)                436799.50
3766815.00      108.51893  (22012917)
        436799.50   3766865.00       91.33717  (22012917)                436799.50
3766915.00       60.29410  (22011020)
        436799.50   3766965.00       52.22962  (22121718)                436799.50
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3766565.00       98.18005  (21010918)
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3766665.00      103.79545  (22021202)
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3766765.00       94.85488  (21013121)
        436749.50   3766815.00       84.66890  (23123005)                436749.50
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        436749.50   3766915.00       64.88721  (22012917)                436749.50
3766965.00       48.11516  (22011020)
        436749.50   3767015.00       42.74810  (22121718)                436749.50
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3766715.00       85.48076  (23121718)
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3766815.00       74.61403  (23120517)
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3766915.00       58.35861  (22012917)
        436699.50   3766965.00       48.13659  (22012917)                436699.50
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        436699.50   3767065.00       40.56470  (22121718)                436699.50
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        436699.50   3767165.00       47.38491  (18120604)                436649.50
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        436649.50   3766515.00       66.54616  (23121424)                436649.50
3766565.00       73.82073  (22091807)
        436649.50   3766615.00       76.27815  (22091807)                436649.50
3766665.00       71.98993  (22021202)
        436649.50   3766715.00       71.60776  (23121718)                436649.50
3766765.00       68.00771  (17122819)
        436649.50   3766815.00       63.88461  (21013121)                436649.50
3766865.00       59.07943  (23120517)
        436649.50   3766915.00       49.15403  (23123005)                436649.50
3766965.00       44.90468  (22012917)
        436649.50   3767015.00       42.85009  (22011519)                436649.50
3767065.00       46.95151  (23010301)
        436649.50   3767115.00       48.77789  (21120305)                436649.50
3767165.00       46.57776  (18010218)
        436599.50   3766465.00       54.11159  (22011124)                436599.50
3766515.00       57.30655  (21010918)
        436599.50   3766565.00       63.14891  (22091807)                436599.50
3766615.00       61.88141  (18120602)
        436599.50   3766665.00       61.60386  (22021202)                436599.50
3766715.00       60.80329  (23121719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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        436949.50   3767665.00       31.96393  (18012524)               437049.50
3767265.00       50.95381  (18010623)
        437049.50   3767365.00       43.82612  (18010623)               437049.50
3767465.00       39.34549  (17021024)
        437049.50   3767565.00       36.61917  (17021024)               437049.50
3767665.00       33.27055  (17021024)
        437149.50   3767265.00       53.02336  (18020521)               437149.50
3767365.00       46.51232  (23121720)
        437149.50   3767465.00       41.36724  (23121720)               437149.50
3767565.00       37.37762  (21011622)
        437149.50   3767665.00       34.27986  (21011622)               437249.50
3767265.00       50.74293  (17020322)
        437249.50   3767365.00       46.20346  (18121917)               437249.50
3767465.00       41.24442  (18121917)
        437249.50   3767565.00       36.85202  (21020904)               437249.50
3767665.00       33.69451  (21020904)
        437349.50   3767265.00       46.64509  (17122617)               437349.50
3767365.00       41.74944  (18010523)
        437349.50   3767465.00       38.46157  (18010523)               437349.50
3767565.00       35.14353  (17020322)
        437349.50   3767665.00       33.24474  (22012918)               437449.50
3767265.00       48.62879  (17021521)
        437449.50   3767365.00       42.86568  (21123023)               437449.50
3767465.00       36.81786  (17122617)
        437449.50   3767565.00       34.42941  (17020323)               437449.50
3767665.00       32.27142  (22120218)
        437549.50   3767265.00       45.70833  (17021021)               437549.50
3767365.00       42.15420  (22011823)
        437549.50   3767465.00       38.51631  (21123023)               437549.50
3767565.00       34.45915  (23021201)
        437549.50   3767665.00       30.82265  (23020321)               437649.50
3767265.00       42.04381  (17022624)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                 PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
437649.50	3767365.00	39.53823	(17021021)	437649.50	3767465.00	36.12163	(22011902)
437649.50	3767565.00	33.64994	(23122407)	437649.50	3767665.00	31.61869	(21123023)
437749.50	3767265.00	38.69719	(17122817)	437749.50	3767365.00	36.48879	(17022624)
437749.50	3767465.00	34.66269	(17010501)	437749.50	3767565.00	32.13223	(18012523)
437749.50	3767665.00	30.86884	(22011902)	437849.50	3767265.00	35.66367	(22021123)
437849.50	3767365.00	33.32022	(22012620)	437849.50	3767465.00	31.94496	(23121817)
437849.50	3767565.00	30.51546	(23010603)	437849.50	3767665.00	28.64150	(18012523)
437949.50	3767265.00	31.50183	(21120624)	437949.50	3767365.00	31.12288	(22021123)
437949.50	3767465.00	29.64397	(22012620)	437949.50	3767565.00	28.51982	(23121817)
437949.50	3767665.00	27.31417	(17021104)	438049.50	3767265.00	29.47337	(22011824)
438049.50	3767365.00	28.29473	(21120624)	438049.50	3767465.00	27.47356	(22021123)
438049.50	3767565.00	26.10485	(22012620)	438049.50	3767665.00	25.31159	(23121817)
437649.50	3767165.00	46.77345	(17122817)	437649.50	3767065.00	47.03734	(22021018)
437649.50	3766965.00	50.96604	(17021705)	437649.50	3766865.00	47.98382	(17011121)
437649.50	3766765.00	44.20170	(22122217)	437649.50	3766665.00	45.27445	(18122420)
437649.50	3766565.00	42.85226	(22021218)	437649.50	3766465.00	39.41260	(21011019)
437649.50	3766365.00	35.92539	(22120423)	437649.50	3766265.00	30.00567	(23010724)
437649.50	3766165.00	18.72521	(23010724)	437649.50	3766065.00	11.93258	(23010216)
437649.50	3765965.00	10.40997	(23010216)	437649.50	3765865.00	7.44855	(23010216)
437649.50	3765765.00	6.55180	(21122303)	437649.50			

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3765665.00        6.93059  (21123016)
        437749.50   3767165.00       40.69459  (22121917)                437749.50
3767065.00       45.06883  (22011824)
        437749.50   3766965.00       47.57397  (17021102)                437749.50
3766865.00       45.13310  (23020218)
        437749.50   3766765.00       36.18142  (22122217)                437749.50
3766665.00       36.68459  (18122420)
        437749.50   3766565.00       34.46162  (22021218)                437749.50
3766465.00       32.61662  (21011019)
        437749.50   3766365.00       30.35878  (23121917)                437749.50
3766265.00       28.20165  (23122022)
        437749.50   3766165.00       21.42322  (23010724)                437749.50
3766065.00       13.00757  (23010724)
        437749.50   3765965.00        9.05541  (23010216)                437749.50
3765865.00        8.16215  (23010216)
        437749.50   3765765.00        6.20337  (23010216)                437749.50
3765665.00        5.31514  (21020322)
        437849.50   3767165.00       36.91688  (22021018)                437849.50
3767065.00       41.10140  (21011718)
        437849.50   3766965.00       41.31564  (22120124)                437849.50
3766865.00       36.83011  (18020819)
        437849.50   3766765.00       30.20551  (21121118)                437849.50
3766665.00       30.58063  (18122420)
        437849.50   3766565.00       28.58005  (17123119)                437849.50
3766465.00       27.79683  (23012419)
        437849.50   3766365.00       26.05840  (18010119)                437849.50
3766265.00       24.10845  (22120423)
        437849.50   3766165.00       21.51147  (23122022)                437849.50
3766065.00       15.63650  (23010724)
        437849.50   3765965.00        9.40027  (23010724)                437849.50
3765865.00        7.10568  (23010216)
        437849.50   3765765.00        6.55937  (23010216)                437849.50
3765665.00        5.21580  (23010216)
        437949.50   3767165.00       33.87155  (22011824)                437949.50
3767065.00       34.12844  (17021102)
        437949.50   3766965.00       32.62459  (23020218)                437949.50
3766865.00       25.16983  (18020819)
        437949.50   3766765.00       25.77386  (21121118)                437949.50
3766665.00       25.99396  (18122420)
        437949.50   3766565.00       24.37314  (17021922)                437949.50
3766465.00       23.93476  (18010719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
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VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        437949.50   3766365.00       22.57616  (21011019)               437949.50
3766265.00       21.53139  (22120423)
        437949.50   3766165.00       20.25317  (23122022)               437949.50
3766065.00       16.70455  (23010724)
        437949.50   3765965.00       11.64772  (23010724)               437949.50
3765865.00        6.97801  (23010724)
        437949.50   3765765.00        5.72383  (23010216)               437949.50
3765665.00        5.37760  (23010216)
        438049.50   3767165.00       31.38587  (21011718)               438049.50
3767065.00       30.44475  (22120124)
        438049.50   3766965.00       29.24514  (21120907)               438049.50
3766865.00       23.27203  (22122805)
        438049.50   3766765.00       22.23254  (17021019)               438049.50
3766665.00       22.46667  (18122420)
        438049.50   3766565.00       21.14455  (17021922)               438049.50
3766465.00       20.94521  (22021218)
        438049.50   3766365.00       20.09921  (21011019)               438049.50
3766265.00       19.04847  (18010718)
        438049.50   3766165.00       17.72586  (18011906)               438049.50
3766065.00       16.45530  (23122022)
        438049.50   3765965.00       13.01529  (23010724)               438049.50
3765865.00        8.83273  (23010724)
        438049.50   3765765.00        5.48402  (22030520)               438049.50
3765665.00        4.70889  (23010216)
        437549.50   3766065.00       13.68938  (23010216)               437549.50
3765965.00        9.02077  (23010216)
        437549.50   3765865.00        9.75799  (21123016)               437549.50
3765765.00        9.69155  (21123016)
        437549.50   3765665.00        8.65614  (21123016)               437449.50
3766065.00       14.57305  (21123016)
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        437449.50   3765965.00       14.82051  (21123016)               437449.50
3765865.00       13.00907  (21123016)
        437449.50   3765765.00       10.34685  (21123016)               437449.50
3765665.00        7.69944  (21123016)
        437349.50   3766065.00       21.56523  (21123016)               437349.50
3765965.00       16.11740  (21123016)
        437349.50   3765865.00       11.11997  (21123016)               437349.50
3765765.00        8.07923  (23012319)
        437349.50   3765665.00        7.03386  (23010623)               437249.50
3766065.00       17.14869  (21123016)
        437249.50   3765965.00       11.75819  (23010623)               437249.50
3765865.00        9.86558  (23122019)
        437249.50   3765765.00        8.39387  (22122522)               437249.50
3765665.00        7.23338  (22020103)
        437149.50   3766065.00       15.16506  (17121102)               437149.50
3765965.00       12.35945  (17121102)
        437149.50   3765865.00       10.28133  (17121102)               437149.50
3765765.00        8.67871  (17121102)
        437149.50   3765665.00        7.45343  (17121102)               437049.50
3766065.00       21.08151  (23022717)
        437049.50   3765965.00       15.67362  (23022717)               437049.50
3765865.00       12.02070  (23022717)
        437049.50   3765765.00        9.44628  (23022717)               437049.50
3765665.00        7.57621  (23022717)
        436949.50   3766065.00       24.82272  (23022717)               436949.50
3765965.00       19.47448  (23022717)
        436949.50   3765865.00       15.55724  (23022717)               436949.50
3765765.00       12.57776  (23022717)
        436949.50   3765665.00       10.29862  (23022717)               436849.50
3766065.00       24.47279  (22120216)
        436849.50   3765965.00       19.30607  (22120216)               436849.50
3765865.00       15.12023  (22120216)
        436849.50   3765765.00       11.83415  (22120216)               436849.50
3765665.00        9.30320  (22120216)
        436749.50   3766065.00       31.37404  (17121123)               436749.50
3765965.00       22.76198  (17121123)
        436749.50   3765865.00       16.41865  (17121123)               436749.50
3765765.00       11.49697  (22120216)
        436749.50   3765665.00        9.82548  (22120216)               436649.50
3766065.00       29.94530  (17012920)
        436649.50   3765965.00       25.22734  (17121123)               436649.50
3765865.00       21.03255  (17121123)
        436649.50   3765765.00       15.97925  (17121123)               436649.50
3765665.00       12.06617  (17121123)
        436549.50   3766065.00       26.65041  (21022023)               436549.50
3765965.00       23.11354  (17021522)
        436549.50   3765865.00       20.38239  (17012920)               436549.50
3765765.00       17.37102  (17121123)
        436549.50   3765665.00       14.83706  (17121123)               436449.50
3766065.00       23.80338  (22011223)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
436449.50	3765965.00	21.30724	(22021222)	436449.50	3765865.00	18.89431	(18011223)
436449.50	3765765.00	16.67782	(17012920)	436449.50	3765665.00	14.76285	(17121123)
436349.50	3766065.00	21.81019	(22011222)	436349.50	3765965.00	19.27703	(22011223)
436349.50	3765865.00	17.68963	(22021222)	436349.50	3765765.00	15.64724	(22122424)
436349.50	3765665.00	14.26057	(17012920)	436249.50	3766065.00	19.21451	(18020805)
436249.50	3765965.00	17.82364	(22011222)	436249.50	3765865.00	16.02721	(22011223)
436249.50	3765765.00	14.50667	(22021222)	436249.50	3765665.00	13.10259	(22122424)
436149.50	3766065.00	19.88114	(21122916)	436149.50	3765965.00	15.96269	(18010903)
436149.50	3765865.00	14.84367	(22011222)	436149.50	3765765.00	13.11997	(22011223)
436149.50	3765665.00	12.35446	(22021222)	436049.50	3766065.00	17.10737	(21122916)
436049.50	3765965.00	14.74956	(21122916)	436049.50			

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3765865.00       13.72386  (18010903)
        436049.50   3765765.00       12.37448  (22011222)                436049.50
3765665.00       11.46267  (22011223)
        436449.50   3766165.00       27.31031  (22011222)                436449.50
3766265.00       42.29894  (21122916)
        436449.50   3766365.00       35.30903  (21122916)                436449.50
3766465.00       38.37662  (21010918)
        436449.50   3766565.00       41.04204  (18121706)                436449.50
3766665.00       41.47396  (18120606)
        436449.50   3766765.00       41.38214  (23121718)                436449.50
3766865.00       38.40518  (21013123)
        436449.50   3766965.00       34.95129  (23120517)                436449.50
3767065.00       25.98680  (23123005)
        436449.50   3767165.00       26.04318  (22011519)                436449.50
3767265.00       30.18262  (18021322)
        436449.50   3767365.00       29.84003  (21120305)                436449.50
3767465.00       29.42480  (18010218)
        436449.50   3767565.00       26.86643  (21123020)                436449.50
3767665.00       26.61169  (17020603)
        436349.50   3766165.00       28.22656  (21122916)                436349.50
3766265.00       32.37535  (21122916)
        436349.50   3766365.00       29.78731  (22011124)                436349.50
3766465.00       32.05532  (17010723)
        436349.50   3766565.00       33.32350  (18121706)                436349.50
3766665.00       33.57790  (18120606)
        436349.50   3766765.00       33.31535  (23121718)                436349.50
3766865.00       31.76521  (17122819)
        436349.50   3766965.00       29.66740  (18021623)                436349.50
3767065.00       26.16984  (23123005)
        436349.50   3767165.00       19.63236  (23021020)                436349.50
3767265.00       26.92571  (22011702)
        436349.50   3767365.00       27.08313  (18021322)                436349.50
3767465.00       26.61291  (21120305)
        436349.50   3767565.00       25.46597  (18010218)                436349.50
3767665.00       24.36370  (18010218)
        436249.50   3766165.00       26.11457  (21122916)                436249.50
3766265.00       23.61636  (18012403)
        436249.50   3766365.00       25.56948  (23121022)                436249.50
3766465.00       26.85777  (18121023)
        436249.50   3766565.00       27.81061  (21013122)                436249.50
3766665.00       27.96653  (18120606)
        436249.50   3766765.00       27.41260  (23121719)                436249.50
3766865.00       26.77598  (17020505)
        436249.50   3766965.00       25.58516  (21013121)                436249.50
3767065.00       23.82868  (23120517)
        436249.50   3767165.00       19.52158  (23123005)                436249.50
3767265.00       21.62820  (18120320)
        436249.50   3767365.00       24.92681  (22011702)                436249.50
3767465.00       23.13574  (18021322)
        436249.50   3767565.00       23.08175  (21120305)                436249.50
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3767665.00       22.29377  (17020905)
        436149.50   3766165.00       19.64061  (23121721)               436149.50
3766265.00       20.87386  (22011124)
        436149.50   3766365.00       22.01548  (23121424)               436149.50
3766465.00       22.94723  (18121023)
        436149.50   3766565.00       23.87213  (21013122)               436149.50
3766665.00       23.88810  (18120606)
        436149.50   3766765.00       23.21028  (21121003)               436149.50
3766865.00       22.87898  (23121718)
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        436149.50   3766965.00       22.16684  (21013123)               436149.50
3767065.00       21.03341  (23120517)
        436149.50   3767165.00       19.13127  (23123005)               436149.50
3767265.00       18.54920  (18022703)
        436149.50   3767365.00       21.98464  (18120519)               436149.50
3767465.00       21.95553  (22011702)
        436149.50   3767565.00       21.27282  (23123103)               436149.50
3767665.00       21.49796  (21120305)
        436049.50   3766165.00       17.33354  (18012403)               436049.50
3766265.00       18.55518  (23121022)
        436049.50   3766365.00       19.45599  (17010723)               436049.50
3766465.00       20.13633  (21120707)
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3766865.00       20.33764  (23121718)
        436049.50   3766965.00       19.44268  (17122819)                436049.50
3767065.00       18.44448  (21013121)
        436049.50   3767165.00       17.62197  (23120517)                436049.50
3767265.00       18.43384  (22021201)
        436049.50   3767365.00       21.03504  (23121420)                436049.50
3767465.00       20.88458  (18120519)
        436049.50   3767565.00       21.13594  (22011702)                436049.50
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        436049.50   3767865.00       19.15634  (18121107)                436049.50
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        436049.50   3768265.00       16.94182  (17013021)                436049.50
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        436249.50   3768465.00       16.85095  (18011820)                436249.50
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        436449.50   3767865.00       23.70825  (17011123)                436449.50
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        436449.50   3768265.00       19.59274  (21010919)                436449.50
3768465.00       17.52425  (18012006)
        436449.50   3768665.00       16.18841  (23012802)                436649.50
3767865.00       25.51537  (21010119)
        436649.50   3768065.00       22.74947  (23011607)                436649.50
3768265.00       20.87961  (23122405)
        436649.50   3768465.00       18.11646  (21020808)                436649.50
3768665.00       17.18279  (18020821)
        436849.50   3767865.00       27.35989  (18010803)                436849.50
3768065.00       24.31302  (18010602)
        436849.50   3768265.00       21.25488  (18010602)                436849.50
3768465.00       18.46999  (23011722)
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3767865.00       27.90913  (23010318)
        437049.50   3768065.00       24.52248  (23010318)                437049.50
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        437449.50   3768465.00       19.76461  (21021008)                437449.50
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        437649.50   3768665.00       17.26227  (22012918)                437849.50
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3768265.00       19.93967  (23020321)
        437849.50   3768465.00       17.91439  (23121919)                437849.50
3768665.00       16.89650  (18010508)
        438049.50   3767865.00       23.81316  (22122724)                438049.50
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        438049.50   3768265.00       19.79402  (17012124)                438049.50
3768465.00       17.80325  (23021201)
        438049.50   3768665.00       15.76304  (23020321)                438249.50
3767865.00       21.31073  (23121817)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        438249.50   3768065.00       20.01682  (22122724)                438249.50
3768265.00       18.60209  (23011822)
        438249.50   3768465.00       17.59586  (17010420)                438249.50
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        438449.50   3767865.00       19.46326  (21022722)                438449.50
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        438449.50   3768265.00       17.42492  (23010603)                438449.50
3768465.00       16.66408  (17020924)
        438449.50   3768665.00       15.63483  (18011718)                438649.50
3767865.00       17.48751  (18122303)
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        438649.50   3768465.00       15.57203  (17021104)                438649.50
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        438849.50   3767865.00       16.43956  (17021105)                438849.50
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        438849.50   3768265.00       15.11659  (22012620)                438849.50
3768465.00       14.57247  (23051806)
        438849.50   3768665.00       13.94464  (17021104)                439049.50
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3768265.00       14.07622  (22021123)
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        438249.50   3765665.00        5.46026  (23010724)                438249.50
3765465.00        3.41449  (22021119)
        438249.50   3765265.00        2.98317  (17120219)                438249.50
3765065.00        2.60615  (18020321)
        438249.50   3764865.00        2.37639  (21122303)                438249.50
3764665.00        2.25684  (21122303)
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        438849.50   3767265.00       16.93465  (21122221)               438849.50
3767065.00       15.65198  (18010921)
        438849.50   3766865.00       13.87500  (17010423)               438849.50
3766665.00        9.90392  (18122420)
        438849.50   3766465.00        9.38275  (17123119)               438849.50
3766265.00        9.13483  (18010719)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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438849.50	3765665.00	7.73462	(23122022)	438849.50	3765465.00	5.95172	(23010724)
438849.50	3765265.00	3.49213	(23010724)	438849.50	3765065.00	2.04341	(21120517)
438849.50	3764865.00	1.91462	(22021119)	438849.50	3764665.00	1.75228	(18012318)
439049.50	3767665.00	15.62631	(21011718)	439049.50	3767465.00	15.21647	(22120124)
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439049.50	3766865.00	12.96718	(21011218)	439049.50	3766665.00	8.53842	(18122420)
439049.50	3766465.00	8.12120	(17021922)	439049.50	3766265.00	8.01844	(18010719)
439049.50	3766065.00	7.68231	(21011019)	439049.50	3765865.00	7.27881	(18010718)
439049.50	3765665.00	6.80501	(18011906)	439049.50	3765465.00	6.12991	(23010724)
439049.50	3765265.00	4.39914	(23010724)	439049.50	3765065.00	2.48298	(23010724)
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438049.50	3765465.00	3.79896	(23010216)	438049.50	3765265.00	3.23754	(21020322)
438049.50	3765065.00	3.00921	(21122303)	438049.50	3764865.00	2.69946	(21122303)
438049.50	3764665.00	2.40214	(21123016)	437849.50	3765465.00	4.29610	(21122303)
437849.50	3765265.00	3.93852	(21123016)	437849.50	3765065.00	3.52982	(21123016)
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437649.50	3765465.00	6.14504	(21123016)	437649.50	3765265.00	4.23568	(21123016)
437649.50	3765065.00	3.48484	(23012422)	437649.50	3764865.00	2.99315	(23012319)
437649.50	3764665.00	2.61924	(23010623)	437449.50	3765465.00	5.34643	(23012319)
437449.50	3765265.00	4.36433	(23010623)	437449.50	3765065.00	3.65293	(23122019)
437449.50	3764865.00	3.10846	(22020103)	437449.50	3764665.00	2.69147	(22020103)

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3765265.00        4.60418  (17121102)
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3765465.00        5.73949  (21122320)
        437049.50   3765265.00        4.59668  (21122320)               437049.50
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3764665.00        2.31372  (23022717)
        436449.50   3765465.00       11.78145  (17121123)               436449.50
3765265.00        7.92085  (17121123)
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3765465.00       11.46343  (17012920)
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3765065.00        7.72695  (17121123)
        436249.50   3764865.00        5.61115  (17121123)               436249.50
3764665.00        3.83400  (17121123)
        436049.50   3765465.00       10.15554  (22020802)               436049.50
3765265.00        8.86737  (17021522)
        436049.50   3765065.00        7.70311  (17012619)               436049.50
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        436049.50   3764665.00        5.55671  (17121123)               435849.50
3765465.00        9.01916  (22011223)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                  PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        435849.50   3765265.00        8.07151  (21022023)               435849.50
3765065.00        7.14761  (18011223)
        435849.50   3764865.00        6.47875  (17012920)               435849.50
3764665.00        5.69408  (17121123)
        435649.50   3765465.00        8.23431  (22011222)               435649.50
3765265.00        7.25373  (22011223)
        435649.50   3765065.00        6.60476  (22021222)               435649.50
3764865.00        5.91216  (22122424)
        435649.50   3764665.00        5.40617  (17012920)               435449.50
3765465.00        7.25009  (18020805)
        435449.50   3765265.00        6.68381  (22011222)               435449.50
3765065.00        6.01792  (22011223)
        435449.50   3764865.00        5.56149  (22021222)               435449.50
3764665.00        5.05334  (22122424)
        435249.50   3765465.00        6.56360  (23010920)               435249.50
3765265.00        6.00943  (18020805)
        435249.50   3765065.00        5.53655  (21022301)               435249.50
3764865.00        5.06703  (22011223)
        435249.50   3764665.00        4.73800  (22021222)               435049.50
3765465.00        6.09369  (23121721)
        435049.50   3765265.00        5.53188  (23010920)               435049.50
3765065.00        5.15824  (18010903)
        435049.50   3764865.00        4.73756  (17011907)               435049.50
3764665.00        4.35454  (22011223)
        435849.50   3765665.00       10.34134  (22011222)               435849.50
3765865.00       11.65308  (23010920)
        435849.50   3766065.00       13.42045  (18012403)               435849.50
3766265.00       14.71812  (23121424)
        435849.50   3766465.00       15.63782  (21120707)               435849.50
3766665.00       16.13910  (18120606)
        435849.50   3766865.00       16.07964  (23121718)               435849.50
3767065.00       14.91989  (21013123)
        435849.50   3767265.00       16.49639  (22021201)               435849.50
3767465.00       17.70956  (21012720)
        435849.50   3767665.00       17.82170  (17022024)               435849.50
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3767865.00       17.11979  (23020720)
        435849.50   3768065.00       15.88075  (17123021)                435849.50
3768265.00       15.76852  (22010518)
        435849.50   3768465.00       14.41878  (17122519)                435849.50
3768665.00       13.59909  (23021523)
        435649.50   3765665.00        8.93459  (23010920)                435649.50
3765865.00       10.50539  (23121721)
        435649.50   3766065.00       11.36897  (22011124)                435649.50
3766265.00       12.23051  (17010723)
        435649.50   3766465.00       12.78401  (18120518)                435649.50
3766665.00       13.05676  (18120606)
        435649.50   3766865.00       12.82514  (23121719)                435649.50
3767065.00       12.31566  (17122819)
        435649.50   3767265.00       11.44974  (18021623)                435649.50
3767465.00       15.49408  (22021201)
        435649.50   3767665.00       14.63227  (23121420)                435649.50
3767865.00       14.49295  (17022024)
        435649.50   3768065.00       14.27603  (23020720)                435649.50
3768265.00       13.49680  (17123021)
        435649.50   3768465.00       13.28202  (22010518)                435649.50
3768665.00       12.59885  (21122921)
        435449.50   3765665.00        7.95081  (18010820)                435449.50
3765865.00        8.93800  (18012403)
        435449.50   3766065.00        9.67498  (23121022)                435449.50
3766265.00       10.17391  (18121023)
        435449.50   3766465.00       10.66551  (21013122)                435449.50
3766665.00       10.79819  (18120606)
        435449.50   3766865.00       10.46845  (21121003)                435449.50
3767065.00       10.33558  (17020505)
        435449.50   3767265.00        9.93666  (21013121)                435449.50
3767465.00        9.28227  (23120517)
        435449.50   3767665.00       11.86960  (23122806)                435449.50
3767865.00       12.20411  (23121420)
        435449.50   3768065.00       11.97989  (22011702)                435449.50
3768265.00       11.98071  (23020720)
        435449.50   3768465.00       11.79535  (17123021)                435449.50
3768665.00       11.48250  (18121107)
        435249.50   3765665.00        7.39439  (23121721)                435249.50
3765865.00        7.88947  (22011124)
        435249.50   3766065.00        8.28438  (23121424)                435249.50
3766265.00        8.72025  (18121023)
        435249.50   3766465.00        9.06593  (21013122)                435249.50
3766665.00        9.17928  (18120606)
        435249.50   3766865.00        8.92097  (21121003)                435249.50
3767065.00        8.80234  (23121718)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
435249.50	3767265.00	8.50536	(21120703)	435249.50	3767465.00	8.09426	(18021623)
435249.50	3767665.00	10.64489	(22021201)	435249.50	3767865.00	10.04090	(21012720)
435249.50	3768065.00	10.49962	(18120520)	435249.50	3768265.00	10.63924	(22121101)
435249.50	3768465.00	10.76292	(17021702)	435249.50	3768665.00	10.60899	(17123021)
435049.50	3765665.00	6.49994	(18012403)	435049.50	3765865.00	7.01398	(23121022)
435049.50	3766065.00	7.31821	(21010918)	435049.50	3766265.00	7.61674	(21120707)
435049.50	3766465.00	7.87805	(21013122)	435049.50	3766665.00	7.92855	(18120606)
435049.50	3766865.00	7.75024	(23021305)	435049.50	3767065.00	7.85324	(23121718)
435049.50	3767265.00	7.48659	(17122819)	435049.50	3767465.00	7.13454	(21013121)
435049.50	3767665.00	7.64295	(23120517)	435049.50	3767865.00	9.40903	(22021124)
435049.50	3768065.00	9.26457	(23122103)	435049.50	3768265.00	9.46428	(18120520)
435049.50	3768465.00	9.84753	(22121101)	435049.50	3768665.00	9.64521	(17021702)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                    *** THE SUMMARY OF MAXIMUM PERIOD (43800 HRS) RESULTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                      NETWORK
GROUP ID   AVERAGE CONC   RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- - - -

```
 3067.00,    0.00)  DC
         6TH HIGHEST VALUE IS      65.42389 AT (  437209.50,  3766665.00,   260.25,
 3067.00,    0.00)  DC
         7TH HIGHEST VALUE IS      63.54426 AT (  437209.50,  3766685.00,   260.69,
 3067.00,    0.00)  DC
         8TH HIGHEST VALUE IS      61.94935 AT (  437209.50,  3766645.00,   259.83,
 3067.00,    0.00)  DC
         9TH HIGHEST VALUE IS      57.68009 AT (  436989.50,  3766725.00,   261.33,
 3067.00,    0.00)  DC
        10TH HIGHEST VALUE IS      56.86006 AT (  437209.50,  3766705.00,   261.07,
 3067.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        12:32:57

                                  PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
              **

                                                      DATE
                                          NETWORK
GROUP ID                            AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

COST     HIGH   1ST HIGH VALUE IS     373.93401  ON 22122916: AT (  437189.50,
3766625.00,   259.49,  3067.00,    0.00)  DC

ALL      HIGH   1ST HIGH VALUE IS     373.93401  ON 22122916: AT (  437189.50,
3766625.00,   259.49,  3067.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

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 *** AERMOD - VERSION 24142  ***   *** C:\Users\dlarocca\Desktop\Lakes
Files\BensonConst2\BensonConst2.isc  ***        03/25/25
 *** AERMET - VERSION  22112 ***   ***
                      ***        12:32:57

                                   PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of         1967 Informational Message(s)

 A Total of        43800 Hours Were Processed

 A Total of         1244 Calm Hours Identified

 A Total of          723 Missing Hours Identified (  1.65 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     370       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     370       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
 21010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
2 year gap

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

*HARP - HRACalc v22118 11/4/2025 1:22:23 PM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\HARP2 Files\BENSONCONST\hra\ConstCancerUpdateHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		436849.5	3766465	1.59E-06	1.167YrCa	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		436849.5	3766485	1.76E-06	1.167YrCa	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		436849.5	3766505	1.93E-06	1.167YrCa	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		436849.5	3766525	2.13E-06	1.167YrCa	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		436849.5	3766545	2.32E-06	1.167YrCa	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		436849.5	3766565	2.52E-06	1.167YrCa	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		436849.5	3766585	2.70E-06	1.167YrCa	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		436849.5	3766605	2.86E-06	1.167YrCa	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		436849.5	3766625	2.95E-06	1.167YrCa	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		436849.5	3766645	2.98E-06	1.167YrCa	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		436849.5	3766665	2.93E-06	1.167YrCa	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		436849.5	3766685	2.83E-06	1.167YrCa	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		436849.5	3766705	2.66E-06	1.167YrCa	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		436849.5	3766725	2.46E-06	1.167YrCa	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		436849.5	3766745	2.24E-06	1.167YrCa	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		436849.5	3766765	2.03E-06	1.167YrCa	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		436849.5	3766785	1.83E-06	1.167YrCa	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		436849.5	3766805	1.65E-06	1.167YrCa	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		436849.5	3766825	1.49E-06	1.167YrCa	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		436849.5	3766845	1.35E-06	1.167YrCa	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		436849.5	3766865	1.22E-06	1.167YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		436869.5	3766465	1.72E-06	1.167YrCa	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		436869.5	3766485	1.93E-06	1.167YrCa	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		436869.5	3766505	2.15E-06	1.167YrCa	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		436869.5	3766525	2.41E-06	1.167YrCa	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		436869.5	3766545	2.68E-06	1.167YrCa	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		436869.5	3766565	2.96E-06	1.167YrCa	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		436869.5	3766585	3.23E-06	1.167YrCa	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		436869.5	3766725	2.90E-06	1.167YrCa	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		436869.5	3766745	2.59E-06	1.167YrCa	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		436869.5	3766765	2.31E-06	1.167YrCa	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		436869.5	3766785	2.05E-06	1.167YrCa	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		436869.5	3766805	1.83E-06	1.167YrCa	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		436869.5	3766825	1.63E-06	1.167YrCa	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		436869.5	3766845	1.46E-06	1.167YrCa	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		436869.5	3766865	1.31E-06	1.167YrCa	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		436889.5	3766465	1.86E-06	1.167YrCa	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		436889.5	3766485	2.11E-06	1.167YrCa	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		436889.5	3766545	3.11E-06	1.167YrCa	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		436889.5	3766565	3.52E-06	1.167YrCa	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		436889.5	3766585	3.95E-06	1.167YrCa	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		436889.5	3766725	3.47E-06	1.167YrCa	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		436889.5	3766745	3.02E-06	1.167YrCa	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		436889.5	3766765	2.64E-06	1.167YrCa	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

45	ALL	436889.5	3766785	2.30E-06	1.167YrCa	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	436889.5	3766805	2.02E-06	1.167YrCa	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	436889.5	3766825	1.78E-06	1.167YrCa	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	436889.5	3766845	1.58E-06	1.167YrCa	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	436889.5	3766865	1.41E-06	1.167YrCa	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	436909.5	3766465	2.00E-06	1.167YrCa	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	436909.5	3766485	2.31E-06	1.167YrCa	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	436909.5	3766725	4.21E-06	1.167YrCa	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	436909.5	3766745	3.56E-06	1.167YrCa	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	436909.5	3766765	3.02E-06	1.167YrCa	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	436909.5	3766785	2.58E-06	1.167YrCa	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	436909.5	3766805	2.23E-06	1.167YrCa	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	436909.5	3766825	1.94E-06	1.167YrCa	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	436909.5	3766845	1.70E-06	1.167YrCa	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	436909.5	3766865	1.50E-06	1.167YrCa	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	436929.5	3766465	2.12E-06	1.167YrCa	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	436929.5	3766485	2.47E-06	1.167YrCa	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	436929.5	3766725	5.18E-06	1.167YrCa	5.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	436929.5	3766745	4.19E-06	1.167YrCa	4.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	436929.5	3766765	3.45E-06	1.167YrCa	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	436929.5	3766785	2.88E-06	1.167YrCa	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	436929.5	3766805	2.44E-06	1.167YrCa	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	436929.5	3766825	2.10E-06	1.167YrCa	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	436929.5	3766845	1.82E-06	1.167YrCa	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	436929.5	3766865	1.59E-06	1.167YrCa	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	436949.5	3766465	2.23E-06	1.167YrCa	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	436949.5	3766485	2.62E-06	1.167YrCa	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	436949.5	3766725	6.41E-06	1.167YrCa	6.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	436949.5	3766745	4.92E-06	1.167YrCa	4.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	436949.5	3766765	3.92E-06	1.167YrCa	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	436949.5	3766785	3.20E-06	1.167YrCa	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	436949.5	3766805	2.66E-06	1.167YrCa	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	436949.5	3766825	2.25E-06	1.167YrCa	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	436949.5	3766845	1.94E-06	1.167YrCa	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	436949.5	3766865	1.68E-06	1.167YrCa	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	436969.5	3766725	7.78E-06	1.167YrCa	7.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	436969.5	3766745	5.68E-06	1.167YrCa	5.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	436969.5	3766765	4.38E-06	1.167YrCa	4.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	436969.5	3766785	3.50E-06	1.167YrCa	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	436969.5	3766805	2.87E-06	1.167YrCa	2.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	436969.5	3766825	2.40E-06	1.167YrCa	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	436969.5	3766845	2.04E-06	1.167YrCa	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	436969.5	3766865	1.76E-06	1.167YrCa	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	436989.5	3766725	9.08E-06	1.167YrCa	9.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	436989.5	3766745	6.39E-06	1.167YrCa	6.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	436989.5	3766765	4.81E-06	1.167YrCa	4.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

91	ALL	436989.5	3766785	3.77E-06	1.167YrCa	3.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	436989.5	3766805	3.06E-06	1.167YrCa	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	436989.5	3766825	2.54E-06	1.167YrCa	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	436989.5	3766845	2.14E-06	1.167YrCa	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	436989.5	3766865	1.84E-06	1.167YrCa	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	437009.5	3766785	4.01E-06	1.167YrCa	4.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	437009.5	3766805	3.21E-06	1.167YrCa	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	437009.5	3766825	2.64E-06	1.167YrCa	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	437009.5	3766845	2.22E-06	1.167YrCa	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	437009.5	3766865	1.89E-06	1.167YrCa	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	437029.5	3766785	4.21E-06	1.167YrCa	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	437029.5	3766805	3.34E-06	1.167YrCa	3.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	437029.5	3766825	2.73E-06	1.167YrCa	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	437029.5	3766845	2.28E-06	1.167YrCa	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	437029.5	3766865	1.94E-06	1.167YrCa	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	437049.5	3766785	4.37E-06	1.167YrCa	4.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	437049.5	3766805	3.43E-06	1.167YrCa	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	437049.5	3766825	2.78E-06	1.167YrCa	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	437049.5	3766845	2.32E-06	1.167YrCa	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	437049.5	3766865	1.97E-06	1.167YrCa	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	437069.5	3766785	4.47E-06	1.167YrCa	4.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	437069.5	3766805	3.49E-06	1.167YrCa	3.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	437069.5	3766825	2.81E-06	1.167YrCa	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	437069.5	3766845	2.31E-06	1.167YrCa	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	437069.5	3766865	1.98E-06	1.167YrCa	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	437089.5	3766785	4.53E-06	1.167YrCa	4.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	437089.5	3766805	3.53E-06	1.167YrCa	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	437089.5	3766825	2.84E-06	1.167YrCa	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	437089.5	3766845	2.34E-06	1.167YrCa	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	437089.5	3766865	1.98E-06	1.167YrCa	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	437109.5	3766785	4.52E-06	1.167YrCa	4.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	437109.5	3766805	3.53E-06	1.167YrCa	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	437109.5	3766825	2.84E-06	1.167YrCa	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	437109.5	3766845	2.35E-06	1.167YrCa	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	437109.5	3766865	1.98E-06	1.167YrCa	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	437129.5	3766785	4.46E-06	1.167YrCa	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	437129.5	3766805	3.50E-06	1.167YrCa	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	437129.5	3766825	2.82E-06	1.167YrCa	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	437129.5	3766845	2.33E-06	1.167YrCa	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	437129.5	3766865	1.97E-06	1.167YrCa	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	437149.5	3766785	4.36E-06	1.167YrCa	4.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	437149.5	3766805	3.45E-06	1.167YrCa	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	437149.5	3766825	2.79E-06	1.167YrCa	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	437149.5	3766845	2.31E-06	1.167YrCa	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	437149.5	3766865	1.95E-06	1.167YrCa	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	437169.5	3766785	4.23E-06	1.167YrCa	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

137	ALL	437169.5	3766805	3.37E-06	1.167YrCa	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	437169.5	3766825	2.75E-06	1.167YrCa	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	437169.5	3766845	2.28E-06	1.167YrCa	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	437169.5	3766865	1.93E-06	1.167YrCa	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	437189.5	3766465	1.84E-06	1.167YrCa	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	437189.5	3766485	2.15E-06	1.167YrCa	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	437189.5	3766505	2.56E-06	1.167YrCa	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	437189.5	3766525	3.12E-06	1.167YrCa	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	437189.5	3766545	3.88E-06	1.167YrCa	3.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	437189.5	3766565	4.95E-06	1.167YrCa	4.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	437189.5	3766585	6.45E-06	1.167YrCa	6.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	437189.5	3766605	8.44E-06	1.167YrCa	8.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	437189.5	3766625	1.07E-05	1.167YrCa	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	437189.5	3766645	1.24E-05	1.167YrCa	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	437189.5	3766665	1.31E-05	1.167YrCa	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	437189.5	3766685	1.25E-05	1.167YrCa	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	437189.5	3766705	1.08E-05	1.167YrCa	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	437189.5	3766725	8.56E-06	1.167YrCa	8.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	437189.5	3766745	6.63E-06	1.167YrCa	6.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	437189.5	3766765	5.16E-06	1.167YrCa	5.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	437189.5	3766785	4.09E-06	1.167YrCa	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	437189.5	3766805	3.29E-06	1.167YrCa	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	437189.5	3766825	2.69E-06	1.167YrCa	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	437189.5	3766845	2.25E-06	1.167YrCa	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	437189.5	3766865	1.90E-06	1.167YrCa	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	437209.5	3766465	1.74E-06	1.167YrCa	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	437209.5	3766485	2.03E-06	1.167YrCa	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	437209.5	3766505	2.40E-06	1.167YrCa	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	437209.5	3766525	2.89E-06	1.167YrCa	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	437209.5	3766545	3.56E-06	1.167YrCa	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	437209.5	3766565	4.45E-06	1.167YrCa	4.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	437209.5	3766585	5.62E-06	1.167YrCa	5.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	437209.5	3766605	7.05E-06	1.167YrCa	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	437209.5	3766625	8.55E-06	1.167YrCa	8.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	437209.5	3766645	9.76E-06	1.167YrCa	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	437209.5	3766665	1.03E-05	1.167YrCa	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	437209.5	3766685	1.00E-05	1.167YrCa	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	437209.5	3766705	8.95E-06	1.167YrCa	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	437209.5	3766725	7.51E-06	1.167YrCa	7.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	437209.5	3766745	6.08E-06	1.167YrCa	6.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	437209.5	3766765	4.87E-06	1.167YrCa	4.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	437209.5	3766785	3.92E-06	1.167YrCa	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	437209.5	3766805	3.19E-06	1.167YrCa	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	437209.5	3766825	2.64E-06	1.167YrCa	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	437209.5	3766845	2.21E-06	1.167YrCa	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	437209.5	3766865	1.87E-06	1.167YrCa	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

183	ALL	437229.5	3766465	1.65E-06	1.167YrCa	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	437229.5	3766485	1.92E-06	1.167YrCa	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	437229.5	3766505	2.26E-06	1.167YrCa	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	437229.5	3766525	2.70E-06	1.167YrCa	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	437229.5	3766545	3.28E-06	1.167YrCa	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	437229.5	3766565	4.02E-06	1.167YrCa	4.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	437229.5	3766585	4.95E-06	1.167YrCa	4.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	437229.5	3766605	6.00E-06	1.167YrCa	6.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	437229.5	3766625	7.05E-06	1.167YrCa	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	437229.5	3766645	7.90E-06	1.167YrCa	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	437229.5	3766665	8.31E-06	1.167YrCa	8.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	437229.5	3766685	8.18E-06	1.167YrCa	8.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	437229.5	3766705	7.53E-06	1.167YrCa	7.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	437229.5	3766725	6.57E-06	1.167YrCa	6.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	437229.5	3766745	5.52E-06	1.167YrCa	5.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	437229.5	3766765	4.55E-06	1.167YrCa	4.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	437229.5	3766785	3.74E-06	1.167YrCa	3.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	437229.5	3766805	3.09E-06	1.167YrCa	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	437229.5	3766825	2.57E-06	1.167YrCa	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	437229.5	3766845	2.17E-06	1.167YrCa	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	437229.5	3766865	1.85E-06	1.167YrCa	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	437249.5	3766465	1.57E-06	1.167YrCa	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	437249.5	3766485	1.81E-06	1.167YrCa	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	437249.5	3766505	2.13E-06	1.167YrCa	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	437249.5	3766525	2.52E-06	1.167YrCa	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	437249.5	3766545	3.03E-06	1.167YrCa	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	437249.5	3766565	3.65E-06	1.167YrCa	3.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	437249.5	3766585	4.39E-06	1.167YrCa	4.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	437249.5	3766605	5.18E-06	1.167YrCa	5.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	437249.5	3766625	5.95E-06	1.167YrCa	5.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	437249.5	3766645	6.55E-06	1.167YrCa	6.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	437249.5	3766665	6.86E-06	1.167YrCa	6.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	437249.5	3766685	6.80E-06	1.167YrCa	6.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	437249.5	3766705	6.39E-06	1.167YrCa	6.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	437249.5	3766725	5.74E-06	1.167YrCa	5.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	437249.5	3766745	4.98E-06	1.167YrCa	4.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	437249.5	3766765	4.22E-06	1.167YrCa	4.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	437249.5	3766785	3.54E-06	1.167YrCa	3.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	437249.5	3766805	2.97E-06	1.167YrCa	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	437249.5	3766825	2.50E-06	1.167YrCa	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	437249.5	3766845	2.12E-06	1.167YrCa	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	437249.5	3766865	1.82E-06	1.167YrCa	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	436849.5	3766915	9.69E-07	1.167YrCa	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	436849.5	3766965	7.84E-07	1.167YrCa	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	436849.5	3767015	6.45E-07	1.167YrCa	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	436849.5	3767065	5.35E-07	1.167YrCa	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

229	ALL	436849.5	3767115	3.97E-07	1.167YrCa	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	436849.5	3767165	3.22E-07	1.167YrCa	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	436899.5	3766915	1.10E-06	1.167YrCa	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	436899.5	3766965	8.68E-07	1.167YrCa	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	436899.5	3767015	6.99E-07	1.167YrCa	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	436899.5	3767065	5.60E-07	1.167YrCa	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	436899.5	3767115	4.18E-07	1.167YrCa	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	436899.5	3767165	3.35E-07	1.167YrCa	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	436949.5	3766915	1.23E-06	1.167YrCa	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	436949.5	3766965	9.42E-07	1.167YrCa	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	436949.5	3767015	7.33E-07	1.167YrCa	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	436949.5	3767065	5.64E-07	1.167YrCa	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	436949.5	3767115	4.39E-07	1.167YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	436949.5	3767165	3.50E-07	1.167YrCa	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	436999.5	3766915	1.33E-06	1.167YrCa	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	436999.5	3766965	9.98E-07	1.167YrCa	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	436999.5	3767015	6.96E-07	1.167YrCa	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	436999.5	3767065	5.39E-07	1.167YrCa	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	436999.5	3767115	4.41E-07	1.167YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	436999.5	3767165	3.63E-07	1.167YrCa	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	437049.5	3766915	1.38E-06	1.167YrCa	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	437049.5	3766965	1.03E-06	1.167YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	437049.5	3767015	6.91E-07	1.167YrCa	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	437049.5	3767065	5.42E-07	1.167YrCa	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	437049.5	3767115	4.39E-07	1.167YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	437049.5	3767165	3.65E-07	1.167YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	437099.5	3766915	1.38E-06	1.167YrCa	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	437099.5	3766965	1.03E-06	1.167YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	437099.5	3767015	7.12E-07	1.167YrCa	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	437099.5	3767065	5.53E-07	1.167YrCa	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	437099.5	3767115	4.45E-07	1.167YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	437099.5	3767165	3.67E-07	1.167YrCa	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	437149.5	3766915	1.36E-06	1.167YrCa	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	437149.5	3766965	1.01E-06	1.167YrCa	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	437149.5	3767015	7.41E-07	1.167YrCa	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	437149.5	3767065	5.60E-07	1.167YrCa	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	437149.5	3767115	4.45E-07	1.167YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	437149.5	3767165	3.66E-07	1.167YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	437199.5	3766915	1.32E-06	1.167YrCa	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	437199.5	3766965	9.84E-07	1.167YrCa	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	437199.5	3767015	7.52E-07	1.167YrCa	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	437199.5	3767065	5.60E-07	1.167YrCa	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	437199.5	3767115	4.41E-07	1.167YrCa	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	437199.5	3767165	3.65E-07	1.167YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	437249.5	3766915	1.28E-06	1.167YrCa	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	437249.5	3766965	9.53E-07	1.167YrCa	9.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

275	ALL	437249.5	3767015	7.26E-07	1.167YrCa	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	437249.5	3767065	5.59E-07	1.167YrCa	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	437249.5	3767115	4.45E-07	1.167YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	437249.5	3767165	3.67E-07	1.167YrCa	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	437299.5	3766915	1.24E-06	1.167YrCa	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	437299.5	3766965	9.36E-07	1.167YrCa	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	437299.5	3767015	7.26E-07	1.167YrCa	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	437299.5	3767065	5.66E-07	1.167YrCa	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	437299.5	3767115	4.47E-07	1.167YrCa	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	437299.5	3767165	3.68E-07	1.167YrCa	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	437349.5	3766915	1.20E-06	1.167YrCa	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	437349.5	3766965	9.07E-07	1.167YrCa	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	437349.5	3767015	7.09E-07	1.167YrCa	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	437349.5	3767065	5.62E-07	1.167YrCa	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	437349.5	3767115	4.51E-07	1.167YrCa	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	437349.5	3767165	3.72E-07	1.167YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	437399.5	3766915	1.13E-06	1.167YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	437399.5	3766965	8.78E-07	1.167YrCa	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	437399.5	3767015	6.91E-07	1.167YrCa	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	437399.5	3767065	5.50E-07	1.167YrCa	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	437399.5	3767115	4.46E-07	1.167YrCa	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	437399.5	3767165	3.72E-07	1.167YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	437449.5	3766915	1.06E-06	1.167YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	437449.5	3766965	8.43E-07	1.167YrCa	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	437449.5	3767015	6.73E-07	1.167YrCa	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	437449.5	3767065	5.44E-07	1.167YrCa	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	437449.5	3767115	4.44E-07	1.167YrCa	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	437449.5	3767165	3.70E-07	1.167YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	437499.5	3766915	9.80E-07	1.167YrCa	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	437499.5	3766965	8.03E-07	1.167YrCa	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	437499.5	3767015	6.54E-07	1.167YrCa	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	437499.5	3767065	5.34E-07	1.167YrCa	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	437499.5	3767115	4.39E-07	1.167YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	437499.5	3767165	3.66E-07	1.167YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	437549.5	3766915	9.01E-07	1.167YrCa	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	437549.5	3766965	7.60E-07	1.167YrCa	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	437549.5	3767015	6.30E-07	1.167YrCa	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	437549.5	3767065	5.21E-07	1.167YrCa	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	437549.5	3767115	4.33E-07	1.167YrCa	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	437549.5	3767165	3.64E-07	1.167YrCa	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	437299.5	3766865	1.72E-06	1.167YrCa	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	437299.5	3766815	2.45E-06	1.167YrCa	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	437299.5	3766765	3.42E-06	1.167YrCa	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	437299.5	3766715	4.32E-06	1.167YrCa	4.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	437299.5	3766665	4.58E-06	1.167YrCa	4.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	437299.5	3766615	3.95E-06	1.167YrCa	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

321 ALL	437299.5	3766565	2.90E-06	1.167YrCa	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322 ALL	437299.5	3766515	1.99E-06	1.167YrCa	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323 ALL	437299.5	3766465	1.39E-06	1.167YrCa	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324 ALL	437299.5	3766415	1.03E-06	1.167YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325 ALL	437299.5	3766365	8.04E-07	1.167YrCa	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326 ALL	437299.5	3766315	6.54E-07	1.167YrCa	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327 ALL	437299.5	3766265	5.46E-07	1.167YrCa	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328 ALL	437299.5	3766215	4.64E-07	1.167YrCa	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329 ALL	437299.5	3766165	4.00E-07	1.167YrCa	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330 ALL	437349.5	3766865	1.60E-06	1.167YrCa	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331 ALL	437349.5	3766815	2.15E-06	1.167YrCa	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332 ALL	437349.5	3766765	2.74E-06	1.167YrCa	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333 ALL	437349.5	3766715	3.20E-06	1.167YrCa	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334 ALL	437349.5	3766665	3.30E-06	1.167YrCa	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335 ALL	437349.5	3766615	2.96E-06	1.167YrCa	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336 ALL	437349.5	3766565	2.34E-06	1.167YrCa	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337 ALL	437349.5	3766515	1.72E-06	1.167YrCa	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338 ALL	437349.5	3766465	1.25E-06	1.167YrCa	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339 ALL	437349.5	3766415	9.36E-07	1.167YrCa	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340 ALL	437349.5	3766365	7.34E-07	1.167YrCa	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341 ALL	437349.5	3766315	5.99E-07	1.167YrCa	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342 ALL	437349.5	3766265	5.04E-07	1.167YrCa	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343 ALL	437349.5	3766215	4.32E-07	1.167YrCa	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344 ALL	437349.5	3766165	3.75E-07	1.167YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345 ALL	437399.5	3766865	1.46E-06	1.167YrCa	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346 ALL	437399.5	3766815	1.85E-06	1.167YrCa	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347 ALL	437399.5	3766765	2.22E-06	1.167YrCa	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348 ALL	437399.5	3766715	2.47E-06	1.167YrCa	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349 ALL	437399.5	3766665	2.51E-06	1.167YrCa	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350 ALL	437399.5	3766615	2.31E-06	1.167YrCa	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351 ALL	437399.5	3766565	1.92E-06	1.167YrCa	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352 ALL	437399.5	3766515	1.49E-06	1.167YrCa	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353 ALL	437399.5	3766465	1.13E-06	1.167YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354 ALL	437399.5	3766415	8.63E-07	1.167YrCa	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355 ALL	437399.5	3766365	6.79E-07	1.167YrCa	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356 ALL	437399.5	3766315	5.54E-07	1.167YrCa	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357 ALL	437399.5	3766265	4.67E-07	1.167YrCa	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358 ALL	437399.5	3766215	4.02E-07	1.167YrCa	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359 ALL	437399.5	3766165	3.51E-07	1.167YrCa	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360 ALL	437449.5	3766865	1.31E-06	1.167YrCa	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361 ALL	437449.5	3766815	1.58E-06	1.167YrCa	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362 ALL	437449.5	3766765	1.82E-06	1.167YrCa	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363 ALL	437449.5	3766715	1.97E-06	1.167YrCa	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364 ALL	437449.5	3766665	1.99E-06	1.167YrCa	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365 ALL	437449.5	3766615	1.85E-06	1.167YrCa	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366 ALL	437449.5	3766565	1.60E-06	1.167YrCa	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

367	ALL	437449.5	3766515	1.30E-06	1.167YrCa	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	437449.5	3766465	1.02E-06	1.167YrCa	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	437449.5	3766415	7.98E-07	1.167YrCa	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	437449.5	3766365	6.33E-07	1.167YrCa	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	437449.5	3766315	5.17E-07	1.167YrCa	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	437449.5	3766265	4.35E-07	1.167YrCa	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	437449.5	3766215	3.75E-07	1.167YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	437449.5	3766165	3.29E-07	1.167YrCa	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	437499.5	3766865	1.17E-06	1.167YrCa	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	437499.5	3766815	1.36E-06	1.167YrCa	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	437499.5	3766765	1.51E-06	1.167YrCa	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	437499.5	3766715	1.61E-06	1.167YrCa	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	437499.5	3766665	1.62E-06	1.167YrCa	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	437499.5	3766615	1.53E-06	1.167YrCa	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	437499.5	3766565	1.36E-06	1.167YrCa	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	437499.5	3766515	1.14E-06	1.167YrCa	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	437499.5	3766465	9.26E-07	1.167YrCa	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	437499.5	3766415	7.41E-07	1.167YrCa	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	437499.5	3766365	5.95E-07	1.167YrCa	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	437499.5	3766315	4.88E-07	1.167YrCa	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	437499.5	3766265	4.09E-07	1.167YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	437499.5	3766215	3.52E-07	1.167YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	437499.5	3766165	3.08E-07	1.167YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	437549.5	3766865	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	437549.5	3766815	1.17E-06	1.167YrCa	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	437549.5	3766765	1.28E-06	1.167YrCa	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	437549.5	3766715	1.34E-06	1.167YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	437549.5	3766665	1.34E-06	1.167YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	437549.5	3766615	1.28E-06	1.167YrCa	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	437549.5	3766565	1.16E-06	1.167YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	437549.5	3766515	1.00E-06	1.167YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	437549.5	3766465	8.39E-07	1.167YrCa	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	437549.5	3766415	6.87E-07	1.167YrCa	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	437549.5	3766365	5.60E-07	1.167YrCa	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	437549.5	3766315	4.62E-07	1.167YrCa	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	437549.5	3766265	3.87E-07	1.167YrCa	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	437549.5	3766215	3.32E-07	1.167YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	437549.5	3766165	2.91E-07	1.167YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	437249.5	3766415	1.15E-06	1.167YrCa	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	437249.5	3766365	8.89E-07	1.167YrCa	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	437249.5	3766315	7.15E-07	1.167YrCa	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	437249.5	3766265	5.90E-07	1.167YrCa	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	437249.5	3766215	4.97E-07	1.167YrCa	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	437249.5	3766165	4.24E-07	1.167YrCa	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	437199.5	3766415	1.29E-06	1.167YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	437199.5	3766365	9.82E-07	1.167YrCa	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

413	ALL	437199.5	3766315	7.78E-07	1.167YrCa	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	437199.5	3766265	6.33E-07	1.167YrCa	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	437199.5	3766215	5.26E-07	1.167YrCa	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	437199.5	3766165	4.45E-07	1.167YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	437149.5	3766415	1.43E-06	1.167YrCa	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	437149.5	3766365	1.07E-06	1.167YrCa	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	437149.5	3766315	8.31E-07	1.167YrCa	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	437149.5	3766265	6.68E-07	1.167YrCa	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	437149.5	3766215	5.49E-07	1.167YrCa	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	437149.5	3766165	4.60E-07	1.167YrCa	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	437099.5	3766415	1.55E-06	1.167YrCa	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	437099.5	3766365	1.13E-06	1.167YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	437099.5	3766315	8.67E-07	1.167YrCa	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	437099.5	3766265	6.89E-07	1.167YrCa	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	437099.5	3766215	5.63E-07	1.167YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	437099.5	3766165	4.69E-07	1.167YrCa	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	437049.5	3766415	1.60E-06	1.167YrCa	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	437049.5	3766365	1.16E-06	1.167YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	437049.5	3766315	8.83E-07	1.167YrCa	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	437049.5	3766265	6.97E-07	1.167YrCa	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	437049.5	3766215	5.67E-07	1.167YrCa	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	437049.5	3766165	4.72E-07	1.167YrCa	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	436999.5	3766415	1.61E-06	1.167YrCa	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	436999.5	3766365	1.16E-06	1.167YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	436999.5	3766315	8.78E-07	1.167YrCa	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	436999.5	3766265	6.92E-07	1.167YrCa	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	436999.5	3766215	5.63E-07	1.167YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	436999.5	3766165	4.69E-07	1.167YrCa	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	436949.5	3766415	1.54E-06	1.167YrCa	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	436949.5	3766365	1.12E-06	1.167YrCa	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	436949.5	3766315	8.58E-07	1.167YrCa	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	436949.5	3766265	6.79E-07	1.167YrCa	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	436949.5	3766215	5.54E-07	1.167YrCa	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	436949.5	3766165	4.62E-07	1.167YrCa	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	436899.5	3766415	1.39E-06	1.167YrCa	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	436899.5	3766365	1.05E-06	1.167YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	436899.5	3766315	8.22E-07	1.167YrCa	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	436899.5	3766265	6.59E-07	1.167YrCa	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	436899.5	3766215	5.41E-07	1.167YrCa	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	436899.5	3766165	4.54E-07	1.167YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	436849.5	3766415	1.23E-06	1.167YrCa	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	436849.5	3766365	9.74E-07	1.167YrCa	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	436849.5	3766315	7.81E-07	1.167YrCa	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	436849.5	3766265	6.38E-07	1.167YrCa	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	436849.5	3766215	5.28E-07	1.167YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	436849.5	3766165	4.45E-07	1.167YrCa	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

459	ALL	436799.5	3766415	1.08E-06	1.167YrCa	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	436799.5	3766365	8.88E-07	1.167YrCa	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	436799.5	3766315	7.34E-07	1.167YrCa	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	436799.5	3766265	6.11E-07	1.167YrCa	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	436799.5	3766215	5.12E-07	1.167YrCa	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	436799.5	3766165	4.35E-07	1.167YrCa	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	436749.5	3766415	9.26E-07	1.167YrCa	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	436749.5	3766365	7.93E-07	1.167YrCa	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	436749.5	3766315	6.76E-07	1.167YrCa	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	436749.5	3766265	5.74E-07	1.167YrCa	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	436749.5	3766215	4.89E-07	1.167YrCa	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	436749.5	3766165	4.20E-07	1.167YrCa	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	436699.5	3766415	7.83E-07	1.167YrCa	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	436699.5	3766365	6.92E-07	1.167YrCa	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	436699.5	3766315	6.05E-07	1.167YrCa	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	436699.5	3766265	5.29E-07	1.167YrCa	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	436699.5	3766215	4.60E-07	1.167YrCa	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	436699.5	3766165	4.02E-07	1.167YrCa	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	436649.5	3766415	6.64E-07	1.167YrCa	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	436649.5	3766365	6.01E-07	1.167YrCa	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	436649.5	3766315	5.37E-07	1.167YrCa	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	436649.5	3766265	4.81E-07	1.167YrCa	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	436649.5	3766215	4.27E-07	1.167YrCa	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	436649.5	3766165	3.79E-07	1.167YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	436599.5	3766415	5.66E-07	1.167YrCa	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	436599.5	3766365	5.21E-07	1.167YrCa	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	436599.5	3766315	4.76E-07	1.167YrCa	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	436599.5	3766265	4.35E-07	1.167YrCa	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	436599.5	3766215	3.93E-07	1.167YrCa	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	436599.5	3766165	3.55E-07	1.167YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	436549.5	3766415	4.87E-07	1.167YrCa	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	436549.5	3766365	4.55E-07	1.167YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	436549.5	3766315	4.22E-07	1.167YrCa	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	436549.5	3766265	3.89E-07	1.167YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	436549.5	3766215	3.57E-07	1.167YrCa	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	436549.5	3766165	3.27E-07	1.167YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	436799.5	3766465	1.30E-06	1.167YrCa	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	436799.5	3766515	1.55E-06	1.167YrCa	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	436799.5	3766565	1.78E-06	1.167YrCa	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	436799.5	3766615	1.93E-06	1.167YrCa	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	436799.5	3766665	1.93E-06	1.167YrCa	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	436799.5	3766715	1.77E-06	1.167YrCa	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	436799.5	3766765	1.51E-06	1.167YrCa	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	436799.5	3766815	1.25E-06	1.167YrCa	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	436799.5	3766865	1.02E-06	1.167YrCa	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	436799.5	3766915	8.39E-07	1.167YrCa	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

505	ALL	436799.5	3766965	6.98E-07	1.167YrCa	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	436799.5	3767015	5.87E-07	1.167YrCa	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	436799.5	3767065	4.79E-07	1.167YrCa	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	436799.5	3767115	3.75E-07	1.167YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	436799.5	3767165	3.09E-07	1.167YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	436749.5	3766465	1.07E-06	1.167YrCa	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	436749.5	3766515	1.21E-06	1.167YrCa	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	436749.5	3766565	1.33E-06	1.167YrCa	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	436749.5	3766615	1.40E-06	1.167YrCa	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	436749.5	3766665	1.39E-06	1.167YrCa	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	436749.5	3766715	1.30E-06	1.167YrCa	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	436749.5	3766765	1.16E-06	1.167YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	436749.5	3766815	1.00E-06	1.167YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	436749.5	3766865	8.53E-07	1.167YrCa	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	436749.5	3766915	7.24E-07	1.167YrCa	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	436749.5	3766965	6.17E-07	1.167YrCa	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	436749.5	3767015	5.29E-07	1.167YrCa	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	436749.5	3767065	4.39E-07	1.167YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	436749.5	3767115	3.49E-07	1.167YrCa	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	436749.5	3767165	2.94E-07	1.167YrCa	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	436699.5	3766465	8.77E-07	1.167YrCa	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	436699.5	3766515	9.64E-07	1.167YrCa	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	436699.5	3766565	1.03E-06	1.167YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	436699.5	3766615	1.07E-06	1.167YrCa	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	436699.5	3766665	1.06E-06	1.167YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	436699.5	3766715	1.01E-06	1.167YrCa	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	436699.5	3766765	9.21E-07	1.167YrCa	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	436699.5	3766815	8.21E-07	1.167YrCa	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	436699.5	3766865	7.19E-07	1.167YrCa	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	436699.5	3766915	6.25E-07	1.167YrCa	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	436699.5	3766965	5.44E-07	1.167YrCa	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	436699.5	3767015	4.75E-07	1.167YrCa	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	436699.5	3767065	4.01E-07	1.167YrCa	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	436699.5	3767115	3.20E-07	1.167YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	436699.5	3767165	2.77E-07	1.167YrCa	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	436649.5	3766465	7.27E-07	1.167YrCa	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	436649.5	3766515	7.83E-07	1.167YrCa	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	436649.5	3766565	8.24E-07	1.167YrCa	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	436649.5	3766615	8.44E-07	1.167YrCa	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	436649.5	3766665	8.35E-07	1.167YrCa	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	436649.5	3766715	8.03E-07	1.167YrCa	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	436649.5	3766765	7.49E-07	1.167YrCa	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	436649.5	3766815	6.83E-07	1.167YrCa	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	436649.5	3766865	6.12E-07	1.167YrCa	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	436649.5	3766915	5.43E-07	1.167YrCa	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	436649.5	3766965	4.81E-07	1.167YrCa	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

551	ALL	436649.5	3767015	4.06E-07	1.167YrCa	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	436649.5	3767065	3.40E-07	1.167YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	436649.5	3767115	2.91E-07	1.167YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	436649.5	3767165	2.53E-07	1.167YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	436599.5	3766465	6.08E-07	1.167YrCa	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	436599.5	3766515	6.46E-07	1.167YrCa	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	436599.5	3766565	6.73E-07	1.167YrCa	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	436599.5	3766615	6.85E-07	1.167YrCa	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	436599.5	3766665	6.80E-07	1.167YrCa	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	436599.5	3766715	6.58E-07	1.167YrCa	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	436599.5	3766765	6.22E-07	1.167YrCa	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	436599.5	3766815	5.76E-07	1.167YrCa	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	436599.5	3766865	5.26E-07	1.167YrCa	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	436599.5	3766915	4.75E-07	1.167YrCa	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	436599.5	3766965	4.27E-07	1.167YrCa	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	436599.5	3767015	3.71E-07	1.167YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	436599.5	3767065	3.11E-07	1.167YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	436599.5	3767115	2.71E-07	1.167YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	436599.5	3767165	2.40E-07	1.167YrCa	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	436549.5	3766465	5.18E-07	1.167YrCa	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	436549.5	3766515	5.44E-07	1.167YrCa	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	436549.5	3766565	5.62E-07	1.167YrCa	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	436549.5	3766615	5.69E-07	1.167YrCa	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	436549.5	3766665	5.65E-07	1.167YrCa	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	436549.5	3766715	5.51E-07	1.167YrCa	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	436549.5	3766765	5.26E-07	1.167YrCa	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	436549.5	3766815	4.93E-07	1.167YrCa	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	436549.5	3766865	4.57E-07	1.167YrCa	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	436549.5	3766915	4.19E-07	1.167YrCa	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	436549.5	3766965	3.81E-07	1.167YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	436549.5	3767015	3.47E-07	1.167YrCa	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	436549.5	3767065	3.15E-07	1.167YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	436549.5	3767115	2.85E-07	1.167YrCa	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	436549.5	3767165	2.44E-07	1.167YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	436549.5	3767265	1.89E-07	1.167YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	436549.5	3767365	1.52E-07	1.167YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	436549.5	3767465	1.27E-07	1.167YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	436549.5	3767565	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	436549.5	3767665	8.92E-08	1.167YrCa	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	436649.5	3767265	2.02E-07	1.167YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	436649.5	3767365	1.60E-07	1.167YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	436649.5	3767465	1.31E-07	1.167YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	436649.5	3767565	1.08E-07	1.167YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	436649.5	3767665	9.15E-08	1.167YrCa	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	436749.5	3767265	2.21E-07	1.167YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	436749.5	3767365	1.72E-07	1.167YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

597	ALL	436749.5	3767465	1.38E-07	1.167YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	436749.5	3767565	1.14E-07	1.167YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	436749.5	3767665	9.43E-08	1.167YrCa	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	436849.5	3767265	2.37E-07	1.167YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	436849.5	3767365	1.86E-07	1.167YrCa	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	436849.5	3767465	1.48E-07	1.167YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	436849.5	3767565	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	436849.5	3767665	9.85E-08	1.167YrCa	9.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	436949.5	3767265	2.56E-07	1.167YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	436949.5	3767365	1.97E-07	1.167YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	436949.5	3767465	1.55E-07	1.167YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	436949.5	3767565	1.21E-07	1.167YrCa	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	436949.5	3767665	1.00E-07	1.167YrCa	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	437049.5	3767265	2.67E-07	1.167YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	437049.5	3767365	2.03E-07	1.167YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	437049.5	3767465	1.57E-07	1.167YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	437049.5	3767565	1.22E-07	1.167YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	437049.5	3767665	1.00E-07	1.167YrCa	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	437149.5	3767265	2.62E-07	1.167YrCa	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	437149.5	3767365	1.98E-07	1.167YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	437149.5	3767465	1.55E-07	1.167YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	437149.5	3767565	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	437149.5	3767665	1.03E-07	1.167YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	437249.5	3767265	2.63E-07	1.167YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	437249.5	3767365	1.97E-07	1.167YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	437249.5	3767465	1.54E-07	1.167YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	437249.5	3767565	1.24E-07	1.167YrCa	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	437249.5	3767665	1.04E-07	1.167YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	437349.5	3767265	2.67E-07	1.167YrCa	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	437349.5	3767365	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	437349.5	3767465	1.57E-07	1.167YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	437349.5	3767565	1.26E-07	1.167YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	437349.5	3767665	1.03E-07	1.167YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	437449.5	3767265	2.66E-07	1.167YrCa	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	437449.5	3767365	1.99E-07	1.167YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	437449.5	3767465	1.57E-07	1.167YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	437449.5	3767565	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	437449.5	3767665	1.02E-07	1.167YrCa	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	437549.5	3767265	2.65E-07	1.167YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	437549.5	3767365	2.00E-07	1.167YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	437549.5	3767465	1.56E-07	1.167YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	437549.5	3767565	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	437549.5	3767665	1.03E-07	1.167YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	437649.5	3767265	2.64E-07	1.167YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	437649.5	3767365	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	437649.5	3767465	1.58E-07	1.167YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

643	ALL	437649.5	3767565	1.27E-07	1.167YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	437649.5	3767665	1.04E-07	1.167YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	437749.5	3767265	2.61E-07	1.167YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	437749.5	3767365	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	437749.5	3767465	1.58E-07	1.167YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	437749.5	3767565	1.28E-07	1.167YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	437749.5	3767665	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	437849.5	3767265	2.52E-07	1.167YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	437849.5	3767365	1.99E-07	1.167YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	437849.5	3767465	1.59E-07	1.167YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	437849.5	3767565	1.29E-07	1.167YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	437849.5	3767665	1.07E-07	1.167YrCa	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	437949.5	3767265	2.45E-07	1.167YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	437949.5	3767365	1.96E-07	1.167YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	437949.5	3767465	1.58E-07	1.167YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	437949.5	3767565	1.30E-07	1.167YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	437949.5	3767665	1.08E-07	1.167YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	438049.5	3767265	2.33E-07	1.167YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	438049.5	3767365	1.91E-07	1.167YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	438049.5	3767465	1.57E-07	1.167YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	438049.5	3767565	1.30E-07	1.167YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	438049.5	3767665	1.09E-07	1.167YrCa	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	437649.5	3767165	3.55E-07	1.167YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	437649.5	3767065	4.93E-07	1.167YrCa	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	437649.5	3766965	6.66E-07	1.167YrCa	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	437649.5	3766865	8.33E-07	1.167YrCa	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	437649.5	3766765	9.51E-07	1.167YrCa	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	437649.5	3766665	9.82E-07	1.167YrCa	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	437649.5	3766565	8.81E-07	1.167YrCa	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	437649.5	3766465	6.88E-07	1.167YrCa	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	437649.5	3766365	4.95E-07	1.167YrCa	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	437649.5	3766265	3.53E-07	1.167YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	437649.5	3766165	2.64E-07	1.167YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	437649.5	3766065	2.10E-07	1.167YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	437649.5	3765965	1.75E-07	1.167YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	437649.5	3765865	1.50E-07	1.167YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	437649.5	3765765	1.30E-07	1.167YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	437649.5	3765665	1.14E-07	1.167YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	437749.5	3767165	3.44E-07	1.167YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	437749.5	3767065	4.51E-07	1.167YrCa	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	437749.5	3766965	5.72E-07	1.167YrCa	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	437749.5	3766865	6.80E-07	1.167YrCa	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	437749.5	3766765	7.36E-07	1.167YrCa	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	437749.5	3766665	7.53E-07	1.167YrCa	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	437749.5	3766565	6.93E-07	1.167YrCa	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	437749.5	3766465	5.71E-07	1.167YrCa	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

689	ALL	437749.5	3766365	4.37E-07	1.167YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	437749.5	3766265	3.24E-07	1.167YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	437749.5	3766165	2.44E-07	1.167YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	437749.5	3766065	1.93E-07	1.167YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	437749.5	3765965	1.60E-07	1.167YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	437749.5	3765865	1.37E-07	1.167YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	437749.5	3765765	1.20E-07	1.167YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	437749.5	3765665	1.06E-07	1.167YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	437849.5	3767165	3.24E-07	1.167YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	437849.5	3767065	4.07E-07	1.167YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	437849.5	3766965	4.90E-07	1.167YrCa	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	437849.5	3766865	5.56E-07	1.167YrCa	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	437849.5	3766765	5.90E-07	1.167YrCa	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	437849.5	3766665	6.00E-07	1.167YrCa	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	437849.5	3766565	5.61E-07	1.167YrCa	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	437849.5	3766465	4.82E-07	1.167YrCa	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	437849.5	3766365	3.87E-07	1.167YrCa	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	437849.5	3766265	2.98E-07	1.167YrCa	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	437849.5	3766165	2.29E-07	1.167YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	437849.5	3766065	1.80E-07	1.167YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	437849.5	3765965	1.48E-07	1.167YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	437849.5	3765865	1.26E-07	1.167YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	437849.5	3765765	1.11E-07	1.167YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	437849.5	3765665	9.84E-08	1.167YrCa	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	437949.5	3767165	3.04E-07	1.167YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	437949.5	3767065	3.66E-07	1.167YrCa	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	437949.5	3766965	4.21E-07	1.167YrCa	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	437949.5	3766865	4.54E-07	1.167YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	437949.5	3766765	4.85E-07	1.167YrCa	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	437949.5	3766665	4.91E-07	1.167YrCa	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	437949.5	3766565	4.65E-07	1.167YrCa	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	437949.5	3766465	4.11E-07	1.167YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	437949.5	3766365	3.42E-07	1.167YrCa	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	437949.5	3766265	2.74E-07	1.167YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	437949.5	3766165	2.15E-07	1.167YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	437949.5	3766065	1.71E-07	1.167YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	437949.5	3765965	1.39E-07	1.167YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	437949.5	3765865	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	437949.5	3765765	1.03E-07	1.167YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	437949.5	3765665	9.17E-08	1.167YrCa	9.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	438049.5	3767165	2.79E-07	1.167YrCa	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	438049.5	3767065	3.25E-07	1.167YrCa	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	438049.5	3766965	3.65E-07	1.167YrCa	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	438049.5	3766865	3.88E-07	1.167YrCa	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	438049.5	3766765	4.07E-07	1.167YrCa	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	438049.5	3766665	4.11E-07	1.167YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

735	ALL	438049.5	3766565	3.92E-07	1.167YrCa	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	438049.5	3766465	3.54E-07	1.167YrCa	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	438049.5	3766365	3.04E-07	1.167YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	438049.5	3766265	2.50E-07	1.167YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	438049.5	3766165	2.02E-07	1.167YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	438049.5	3766065	1.62E-07	1.167YrCa	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	438049.5	3765965	1.33E-07	1.167YrCa	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	438049.5	3765865	1.12E-07	1.167YrCa	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	438049.5	3765765	9.69E-08	1.167YrCa	9.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	438049.5	3765665	8.62E-08	1.167YrCa	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	437549.5	3766065	2.32E-07	1.167YrCa	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	437549.5	3765965	1.93E-07	1.167YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	437549.5	3765865	1.63E-07	1.167YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	437549.5	3765765	1.40E-07	1.167YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	437549.5	3765665	1.21E-07	1.167YrCa	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	437449.5	3766065	2.61E-07	1.167YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	437449.5	3765965	2.13E-07	1.167YrCa	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	437449.5	3765865	1.78E-07	1.167YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	437449.5	3765765	1.50E-07	1.167YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	437449.5	3765665	1.28E-07	1.167YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	437349.5	3766065	2.91E-07	1.167YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	437349.5	3765965	2.33E-07	1.167YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	437349.5	3765865	1.91E-07	1.167YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	437349.5	3765765	1.59E-07	1.167YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	437349.5	3765665	1.35E-07	1.167YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	437249.5	3766065	3.20E-07	1.167YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	437249.5	3765965	2.50E-07	1.167YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	437249.5	3765865	2.02E-07	1.167YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	437249.5	3765765	1.66E-07	1.167YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	437249.5	3765665	1.39E-07	1.167YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	437149.5	3766065	3.39E-07	1.167YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	437149.5	3765965	2.61E-07	1.167YrCa	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	437149.5	3765865	2.08E-07	1.167YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	437149.5	3765765	1.70E-07	1.167YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	437149.5	3765665	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	437049.5	3766065	3.44E-07	1.167YrCa	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	437049.5	3765965	2.64E-07	1.167YrCa	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	437049.5	3765865	2.10E-07	1.167YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	437049.5	3765765	1.71E-07	1.167YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	437049.5	3765665	1.43E-07	1.167YrCa	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	436949.5	3766065	3.38E-07	1.167YrCa	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	436949.5	3765965	2.58E-07	1.167YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	436949.5	3765865	2.07E-07	1.167YrCa	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	436949.5	3765765	1.69E-07	1.167YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	436949.5	3765665	1.41E-07	1.167YrCa	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	436849.5	3766065	3.27E-07	1.167YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

781	ALL	436849.5	3765965	2.51E-07	1.167YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	436849.5	3765865	2.02E-07	1.167YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	436849.5	3765765	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	436849.5	3765665	1.38E-07	1.167YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	436749.5	3766065	3.16E-07	1.167YrCa	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	436749.5	3765965	2.43E-07	1.167YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	436749.5	3765865	1.97E-07	1.167YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	436749.5	3765765	1.60E-07	1.167YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	436749.5	3765665	1.34E-07	1.167YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	436649.5	3766065	2.97E-07	1.167YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	436649.5	3765965	2.36E-07	1.167YrCa	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	436649.5	3765865	1.91E-07	1.167YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	436649.5	3765765	1.56E-07	1.167YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	436649.5	3765665	1.31E-07	1.167YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	436549.5	3766065	2.70E-07	1.167YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	436549.5	3765965	2.22E-07	1.167YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	436549.5	3765865	1.84E-07	1.167YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	436549.5	3765765	1.51E-07	1.167YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	436549.5	3765665	1.28E-07	1.167YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	436449.5	3766065	2.39E-07	1.167YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	436449.5	3765965	2.04E-07	1.167YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	436449.5	3765865	1.74E-07	1.167YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	436449.5	3765765	1.46E-07	1.167YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	436449.5	3765665	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	436349.5	3766065	2.08E-07	1.167YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	436349.5	3765965	1.84E-07	1.167YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	436349.5	3765865	1.61E-07	1.167YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	436349.5	3765765	1.40E-07	1.167YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	436349.5	3765665	1.22E-07	1.167YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	436249.5	3766065	1.80E-07	1.167YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	436249.5	3765965	1.63E-07	1.167YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	436249.5	3765865	1.47E-07	1.167YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	436249.5	3765765	1.29E-07	1.167YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	436249.5	3765665	1.14E-07	1.167YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	436149.5	3766065	1.57E-07	1.167YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	436149.5	3765965	1.44E-07	1.167YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	436149.5	3765865	1.32E-07	1.167YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	436149.5	3765765	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	436149.5	3765665	1.07E-07	1.167YrCa	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	436049.5	3766065	1.38E-07	1.167YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	436049.5	3765965	1.28E-07	1.167YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	436049.5	3765865	1.19E-07	1.167YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	436049.5	3765765	1.08E-07	1.167YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	436049.5	3765665	9.93E-08	1.167YrCa	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	436449.5	3766165	2.76E-07	1.167YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	436449.5	3766265	3.15E-07	1.167YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

827	ALL	436449.5	3766365	3.55E-07	1.167YrCa	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	436449.5	3766465	3.90E-07	1.167YrCa	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	436449.5	3766565	4.12E-07	1.167YrCa	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	436449.5	3766665	4.11E-07	1.167YrCa	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	436449.5	3766765	3.90E-07	1.167YrCa	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	436449.5	3766865	3.53E-07	1.167YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	436449.5	3766965	3.08E-07	1.167YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	436449.5	3767065	2.63E-07	1.167YrCa	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	436449.5	3767165	2.15E-07	1.167YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	436449.5	3767265	1.70E-07	1.167YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	436449.5	3767365	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	436449.5	3767465	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	436449.5	3767565	1.01E-07	1.167YrCa	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	436449.5	3767665	8.49E-08	1.167YrCa	8.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	436349.5	3766165	2.33E-07	1.167YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	436349.5	3766265	2.59E-07	1.167YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	436349.5	3766365	2.84E-07	1.167YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	436349.5	3766465	3.04E-07	1.167YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	436349.5	3766565	3.15E-07	1.167YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	436349.5	3766665	3.15E-07	1.167YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	436349.5	3766765	3.03E-07	1.167YrCa	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	436349.5	3766865	2.81E-07	1.167YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	436349.5	3766965	2.52E-07	1.167YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	436349.5	3767065	2.22E-07	1.167YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	436349.5	3767165	1.93E-07	1.167YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	436349.5	3767265	1.52E-07	1.167YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	436349.5	3767365	1.28E-07	1.167YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	436349.5	3767465	1.10E-07	1.167YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	436349.5	3767565	9.42E-08	1.167YrCa	9.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	436349.5	3767665	8.14E-08	1.167YrCa	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	436249.5	3766165	1.98E-07	1.167YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	436249.5	3766265	2.16E-07	1.167YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	436249.5	3766365	2.33E-07	1.167YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	436249.5	3766465	2.45E-07	1.167YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	436249.5	3766565	2.51E-07	1.167YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	436249.5	3766665	2.50E-07	1.167YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	436249.5	3766765	2.42E-07	1.167YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	436249.5	3766865	2.29E-07	1.167YrCa	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	436249.5	3766965	2.10E-07	1.167YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	436249.5	3767065	1.89E-07	1.167YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	436249.5	3767165	1.69E-07	1.167YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	436249.5	3767265	1.39E-07	1.167YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	436249.5	3767365	1.16E-07	1.167YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	436249.5	3767465	1.02E-07	1.167YrCa	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	436249.5	3767565	8.90E-08	1.167YrCa	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	436249.5	3767665	7.76E-08	1.167YrCa	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

873	ALL	436149.5	3766165	1.70E-07	1.167YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	436149.5	3766265	1.83E-07	1.167YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	436149.5	3766365	1.94E-07	1.167YrCa	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	436149.5	3766465	2.02E-07	1.167YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	436149.5	3766565	2.06E-07	1.167YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	436149.5	3766665	2.05E-07	1.167YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	436149.5	3766765	2.00E-07	1.167YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	436149.5	3766865	1.91E-07	1.167YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	436149.5	3766965	1.78E-07	1.167YrCa	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	436149.5	3767065	1.63E-07	1.167YrCa	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	436149.5	3767165	1.48E-07	1.167YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	436149.5	3767265	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	436149.5	3767365	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	436149.5	3767465	9.32E-08	1.167YrCa	9.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	436149.5	3767565	8.22E-08	1.167YrCa	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	436149.5	3767665	7.19E-08	1.167YrCa	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	436049.5	3766165	1.48E-07	1.167YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	436049.5	3766265	1.56E-07	1.167YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	436049.5	3766365	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	436049.5	3766465	1.70E-07	1.167YrCa	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	436049.5	3766565	1.72E-07	1.167YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	436049.5	3766665	1.72E-07	1.167YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	436049.5	3766765	1.68E-07	1.167YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	436049.5	3766865	1.61E-07	1.167YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	436049.5	3766965	1.53E-07	1.167YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	436049.5	3767065	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	436049.5	3767165	1.30E-07	1.167YrCa	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	436049.5	3767265	1.12E-07	1.167YrCa	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	436049.5	3767365	9.41E-08	1.167YrCa	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	436049.5	3767465	8.36E-08	1.167YrCa	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	436049.5	3767565	7.44E-08	1.167YrCa	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	436049.5	3767665	6.70E-08	1.167YrCa	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	436049.5	3767865	5.38E-08	1.167YrCa	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	436049.5	3768065	4.38E-08	1.167YrCa	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	436049.5	3768265	3.58E-08	1.167YrCa	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	436049.5	3768465	2.96E-08	1.167YrCa	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	436049.5	3768665	2.50E-08	1.167YrCa	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	436249.5	3767865	5.87E-08	1.167YrCa	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	436249.5	3768065	4.65E-08	1.167YrCa	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	436249.5	3768265	3.78E-08	1.167YrCa	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	436249.5	3768465	3.10E-08	1.167YrCa	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	436249.5	3768665	2.58E-08	1.167YrCa	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	436449.5	3767865	6.36E-08	1.167YrCa	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	436449.5	3768065	4.93E-08	1.167YrCa	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	436449.5	3768265	3.92E-08	1.167YrCa	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	436449.5	3768465	3.19E-08	1.167YrCa	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

919	ALL	436449.5	3768665	2.64E-08	1.167YrCa	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	436649.5	3767865	6.70E-08	1.167YrCa	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	436649.5	3768065	5.10E-08	1.167YrCa	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	436649.5	3768265	3.98E-08	1.167YrCa	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	436649.5	3768465	3.29E-08	1.167YrCa	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	436649.5	3768665	2.70E-08	1.167YrCa	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	436849.5	3767865	7.04E-08	1.167YrCa	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	436849.5	3768065	5.25E-08	1.167YrCa	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	436849.5	3768265	4.13E-08	1.167YrCa	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	436849.5	3768465	3.35E-08	1.167YrCa	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	436849.5	3768665	2.74E-08	1.167YrCa	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	437049.5	3767865	7.25E-08	1.167YrCa	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	437049.5	3768065	5.39E-08	1.167YrCa	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	437049.5	3768265	4.20E-08	1.167YrCa	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	437049.5	3768465	3.36E-08	1.167YrCa	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	437049.5	3768665	2.74E-08	1.167YrCa	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	437249.5	3767865	7.42E-08	1.167YrCa	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	437249.5	3768065	5.56E-08	1.167YrCa	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	437249.5	3768265	4.35E-08	1.167YrCa	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	437249.5	3768465	3.49E-08	1.167YrCa	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	437249.5	3768665	2.84E-08	1.167YrCa	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	437449.5	3767865	7.45E-08	1.167YrCa	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	437449.5	3768065	5.64E-08	1.167YrCa	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	437449.5	3768265	4.44E-08	1.167YrCa	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	437449.5	3768465	3.56E-08	1.167YrCa	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	437449.5	3768665	2.93E-08	1.167YrCa	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	437649.5	3767865	7.36E-08	1.167YrCa	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	437649.5	3768065	5.52E-08	1.167YrCa	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	437649.5	3768265	4.35E-08	1.167YrCa	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	437649.5	3768465	3.56E-08	1.167YrCa	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	437649.5	3768665	2.96E-08	1.167YrCa	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	437849.5	3767865	7.57E-08	1.167YrCa	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	437849.5	3768065	5.60E-08	1.167YrCa	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	437849.5	3768265	4.32E-08	1.167YrCa	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	437849.5	3768465	3.49E-08	1.167YrCa	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	437849.5	3768665	2.87E-08	1.167YrCa	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	438049.5	3767865	7.79E-08	1.167YrCa	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	438049.5	3768065	5.79E-08	1.167YrCa	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	438049.5	3768265	4.46E-08	1.167YrCa	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	438049.5	3768465	3.54E-08	1.167YrCa	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	438049.5	3768665	2.87E-08	1.167YrCa	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	438249.5	3767865	7.88E-08	1.167YrCa	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	438249.5	3768065	6.01E-08	1.167YrCa	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	438249.5	3768265	4.58E-08	1.167YrCa	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	438249.5	3768465	3.62E-08	1.167YrCa	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	438249.5	3768665	2.93E-08	1.167YrCa	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

965	ALL	438449.5	3767865	7.80E-08	1.167YrCa	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	438449.5	3768065	5.99E-08	1.167YrCa	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	438449.5	3768265	4.70E-08	1.167YrCa	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	438449.5	3768465	3.69E-08	1.167YrCa	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	438449.5	3768665	3.00E-08	1.167YrCa	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	438649.5	3767865	7.64E-08	1.167YrCa	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	438649.5	3768065	5.97E-08	1.167YrCa	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	438649.5	3768265	4.72E-08	1.167YrCa	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	438649.5	3768465	3.79E-08	1.167YrCa	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	438649.5	3768665	3.05E-08	1.167YrCa	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	438849.5	3767865	7.37E-08	1.167YrCa	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	438849.5	3768065	5.87E-08	1.167YrCa	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	438849.5	3768265	4.72E-08	1.167YrCa	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	438849.5	3768465	3.84E-08	1.167YrCa	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	438849.5	3768665	3.15E-08	1.167YrCa	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	439049.5	3767865	7.06E-08	1.167YrCa	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	439049.5	3768065	5.73E-08	1.167YrCa	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	439049.5	3768265	4.65E-08	1.167YrCa	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	439049.5	3768465	3.81E-08	1.167YrCa	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	439049.5	3768665	3.18E-08	1.167YrCa	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	438249.5	3767665	1.06E-07	1.167YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	438249.5	3767465	1.49E-07	1.167YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	438249.5	3767265	2.04E-07	1.167YrCa	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	438249.5	3767065	2.58E-07	1.167YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	438249.5	3766865	3.01E-07	1.167YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	438249.5	3766665	3.02E-07	1.167YrCa	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	438249.5	3766465	2.71E-07	1.167YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	438249.5	3766265	2.09E-07	1.167YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	438249.5	3766065	1.47E-07	1.167YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	438249.5	3765865	1.03E-07	1.167YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	438249.5	3765665	7.78E-08	1.167YrCa	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	438249.5	3765465	6.29E-08	1.167YrCa	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	438249.5	3765265	5.35E-08	1.167YrCa	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	438249.5	3765065	4.61E-08	1.167YrCa	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	438249.5	3764865	4.03E-08	1.167YrCa	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	438249.5	3764665	3.55E-08	1.167YrCa	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	438449.5	3767665	1.04E-07	1.167YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	438449.5	3767465	1.38E-07	1.167YrCa	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	438449.5	3767265	1.75E-07	1.167YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	438449.5	3767065	2.10E-07	1.167YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	438449.5	3766865	2.34E-07	1.167YrCa	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	438449.5	3766665	2.39E-07	1.167YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	438449.5	3766465	2.15E-07	1.167YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	438449.5	3766265	1.75E-07	1.167YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	438449.5	3766065	1.32E-07	1.167YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	438449.5	3765865	9.62E-08	1.167YrCa	9.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011 ALL	438449.5	3765665	7.23E-08	1.167YrCa	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012 ALL	438449.5	3765465	5.75E-08	1.167YrCa	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013 ALL	438449.5	3765265	4.86E-08	1.167YrCa	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014 ALL	438449.5	3765065	4.23E-08	1.167YrCa	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015 ALL	438449.5	3764865	3.73E-08	1.167YrCa	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016 ALL	438449.5	3764665	3.31E-08	1.167YrCa	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017 ALL	438649.5	3767665	9.92E-08	1.167YrCa	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018 ALL	438649.5	3767465	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019 ALL	438649.5	3767265	1.50E-07	1.167YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020 ALL	438649.5	3767065	1.73E-07	1.167YrCa	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021 ALL	438649.5	3766865	1.83E-07	1.167YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022 ALL	438649.5	3766665	1.87E-07	1.167YrCa	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023 ALL	438649.5	3766465	1.75E-07	1.167YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024 ALL	438649.5	3766265	1.49E-07	1.167YrCa	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025 ALL	438649.5	3766065	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026 ALL	438649.5	3765865	8.99E-08	1.167YrCa	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027 ALL	438649.5	3765665	6.84E-08	1.167YrCa	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028 ALL	438649.5	3765465	5.36E-08	1.167YrCa	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029 ALL	438649.5	3765265	4.47E-08	1.167YrCa	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030 ALL	438649.5	3765065	3.88E-08	1.167YrCa	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031 ALL	438649.5	3764865	3.44E-08	1.167YrCa	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032 ALL	438649.5	3764665	3.08E-08	1.167YrCa	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033 ALL	438849.5	3767665	9.21E-08	1.167YrCa	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034 ALL	438849.5	3767465	1.11E-07	1.167YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035 ALL	438849.5	3767265	1.29E-07	1.167YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036 ALL	438849.5	3767065	1.46E-07	1.167YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037 ALL	438849.5	3766865	1.58E-07	1.167YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038 ALL	438849.5	3766665	1.53E-07	1.167YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039 ALL	438849.5	3766465	1.45E-07	1.167YrCa	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040 ALL	438849.5	3766265	1.28E-07	1.167YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041 ALL	438849.5	3766065	1.06E-07	1.167YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042 ALL	438849.5	3765865	8.37E-08	1.167YrCa	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043 ALL	438849.5	3765665	6.50E-08	1.167YrCa	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044 ALL	438849.5	3765465	5.10E-08	1.167YrCa	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045 ALL	438849.5	3765265	4.19E-08	1.167YrCa	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046 ALL	438849.5	3765065	3.59E-08	1.167YrCa	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047 ALL	438849.5	3764865	3.18E-08	1.167YrCa	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048 ALL	438849.5	3764665	2.86E-08	1.167YrCa	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049 ALL	439049.5	3767665	8.53E-08	1.167YrCa	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050 ALL	439049.5	3767465	9.91E-08	1.167YrCa	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051 ALL	439049.5	3767265	1.12E-07	1.167YrCa	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052 ALL	439049.5	3767065	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053 ALL	439049.5	3766865	1.35E-07	1.167YrCa	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054 ALL	439049.5	3766665	1.29E-07	1.167YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055 ALL	439049.5	3766465	1.23E-07	1.167YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056 ALL	439049.5	3766265	1.11E-07	1.167YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1057	ALL	439049.5	3766065	9.41E-08	1.167YrCa	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	439049.5	3765865	7.71E-08	1.167YrCa	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	439049.5	3765665	6.18E-08	1.167YrCa	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	439049.5	3765465	4.90E-08	1.167YrCa	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	439049.5	3765265	3.99E-08	1.167YrCa	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	439049.5	3765065	3.38E-08	1.167YrCa	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	439049.5	3764865	2.97E-08	1.167YrCa	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	439049.5	3764665	2.67E-08	1.167YrCa	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	438049.5	3765465	7.04E-08	1.167YrCa	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	438049.5	3765265	5.93E-08	1.167YrCa	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	438049.5	3765065	5.05E-08	1.167YrCa	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	438049.5	3764865	4.36E-08	1.167YrCa	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	438049.5	3764665	3.79E-08	1.167YrCa	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	437849.5	3765465	7.96E-08	1.167YrCa	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	437849.5	3765265	6.55E-08	1.167YrCa	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	437849.5	3765065	5.49E-08	1.167YrCa	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	437849.5	3764865	4.67E-08	1.167YrCa	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	437849.5	3764665	4.01E-08	1.167YrCa	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	437649.5	3765465	8.91E-08	1.167YrCa	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	437649.5	3765265	7.17E-08	1.167YrCa	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	437649.5	3765065	5.89E-08	1.167YrCa	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	437649.5	3764865	4.94E-08	1.167YrCa	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	437649.5	3764665	4.21E-08	1.167YrCa	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	437449.5	3765465	9.76E-08	1.167YrCa	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	437449.5	3765265	7.68E-08	1.167YrCa	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	437449.5	3765065	6.22E-08	1.167YrCa	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	437449.5	3764865	5.15E-08	1.167YrCa	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	437449.5	3764665	4.35E-08	1.167YrCa	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	437249.5	3765465	1.04E-07	1.167YrCa	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	437249.5	3765265	8.03E-08	1.167YrCa	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	437249.5	3765065	6.42E-08	1.167YrCa	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	437249.5	3764865	5.28E-08	1.167YrCa	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	437249.5	3764665	4.44E-08	1.167YrCa	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	437049.5	3765465	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	437049.5	3765265	8.10E-08	1.167YrCa	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	437049.5	3765065	6.47E-08	1.167YrCa	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	437049.5	3764865	5.32E-08	1.167YrCa	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	437049.5	3764665	4.46E-08	1.167YrCa	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	436849.5	3765465	1.02E-07	1.167YrCa	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	436849.5	3765265	7.93E-08	1.167YrCa	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	436849.5	3765065	6.36E-08	1.167YrCa	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	436849.5	3764865	5.23E-08	1.167YrCa	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	436849.5	3764665	4.39E-08	1.167YrCa	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	436649.5	3765465	9.80E-08	1.167YrCa	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	436649.5	3765265	7.60E-08	1.167YrCa	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	436649.5	3765065	6.14E-08	1.167YrCa	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1103 ALL	436649.5	3764865	5.07E-08	1.167YrCa	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104 ALL	436649.5	3764665	4.27E-08	1.167YrCa	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105 ALL	436449.5	3765465	9.52E-08	1.167YrCa	9.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106 ALL	436449.5	3765265	7.38E-08	1.167YrCa	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107 ALL	436449.5	3765065	5.93E-08	1.167YrCa	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108 ALL	436449.5	3764865	4.90E-08	1.167YrCa	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109 ALL	436449.5	3764665	4.14E-08	1.167YrCa	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110 ALL	436249.5	3765465	9.12E-08	1.167YrCa	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111 ALL	436249.5	3765265	7.22E-08	1.167YrCa	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112 ALL	436249.5	3765065	5.82E-08	1.167YrCa	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113 ALL	436249.5	3764865	4.80E-08	1.167YrCa	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114 ALL	436249.5	3764665	4.04E-08	1.167YrCa	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115 ALL	436049.5	3765465	8.36E-08	1.167YrCa	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116 ALL	436049.5	3765265	6.91E-08	1.167YrCa	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117 ALL	436049.5	3765065	5.70E-08	1.167YrCa	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118 ALL	436049.5	3764865	4.74E-08	1.167YrCa	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119 ALL	436049.5	3764665	3.99E-08	1.167YrCa	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120 ALL	435849.5	3765465	7.37E-08	1.167YrCa	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121 ALL	435849.5	3765265	6.35E-08	1.167YrCa	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122 ALL	435849.5	3765065	5.43E-08	1.167YrCa	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123 ALL	435849.5	3764865	4.62E-08	1.167YrCa	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124 ALL	435849.5	3764665	3.94E-08	1.167YrCa	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125 ALL	435649.5	3765465	6.41E-08	1.167YrCa	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126 ALL	435649.5	3765265	5.69E-08	1.167YrCa	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127 ALL	435649.5	3765065	5.01E-08	1.167YrCa	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128 ALL	435649.5	3764865	4.39E-08	1.167YrCa	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129 ALL	435649.5	3764665	3.83E-08	1.167YrCa	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130 ALL	435449.5	3765465	5.56E-08	1.167YrCa	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131 ALL	435449.5	3765265	5.04E-08	1.167YrCa	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132 ALL	435449.5	3765065	4.56E-08	1.167YrCa	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133 ALL	435449.5	3764865	4.08E-08	1.167YrCa	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134 ALL	435449.5	3764665	3.64E-08	1.167YrCa	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135 ALL	435249.5	3765465	4.85E-08	1.167YrCa	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136 ALL	435249.5	3765265	4.47E-08	1.167YrCa	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137 ALL	435249.5	3765065	4.09E-08	1.167YrCa	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138 ALL	435249.5	3764865	3.73E-08	1.167YrCa	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139 ALL	435249.5	3764665	3.39E-08	1.167YrCa	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140 ALL	435049.5	3765465	4.28E-08	1.167YrCa	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141 ALL	435049.5	3765265	3.98E-08	1.167YrCa	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142 ALL	435049.5	3765065	3.69E-08	1.167YrCa	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143 ALL	435049.5	3764865	3.40E-08	1.167YrCa	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144 ALL	435049.5	3764665	3.13E-08	1.167YrCa	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145 ALL	435849.5	3765665	8.44E-08	1.167YrCa	8.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146 ALL	435849.5	3765865	9.64E-08	1.167YrCa	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147 ALL	435849.5	3766065	1.08E-07	1.167YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148 ALL	435849.5	3766265	1.19E-07	1.167YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1149 ALL	435849.5	3766465	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150 ALL	435849.5	3766665	1.26E-07	1.167YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151 ALL	435849.5	3766865	1.21E-07	1.167YrCa	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152 ALL	435849.5	3767065	1.10E-07	1.167YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153 ALL	435849.5	3767265	9.21E-08	1.167YrCa	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154 ALL	435849.5	3767465	7.09E-08	1.167YrCa	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155 ALL	435849.5	3767665	5.80E-08	1.167YrCa	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156 ALL	435849.5	3767865	4.88E-08	1.167YrCa	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157 ALL	435849.5	3768065	4.11E-08	1.167YrCa	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158 ALL	435849.5	3768265	3.41E-08	1.167YrCa	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159 ALL	435849.5	3768465	2.90E-08	1.167YrCa	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160 ALL	435849.5	3768665	2.46E-08	1.167YrCa	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161 ALL	435649.5	3765665	7.14E-08	1.167YrCa	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162 ALL	435649.5	3765865	7.95E-08	1.167YrCa	7.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163 ALL	435649.5	3766065	8.70E-08	1.167YrCa	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164 ALL	435649.5	3766265	9.34E-08	1.167YrCa	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165 ALL	435649.5	3766465	9.72E-08	1.167YrCa	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166 ALL	435649.5	3766665	9.75E-08	1.167YrCa	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167 ALL	435649.5	3766865	9.42E-08	1.167YrCa	9.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168 ALL	435649.5	3767065	8.79E-08	1.167YrCa	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169 ALL	435649.5	3767265	7.93E-08	1.167YrCa	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170 ALL	435649.5	3767465	6.27E-08	1.167YrCa	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171 ALL	435649.5	3767665	5.16E-08	1.167YrCa	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172 ALL	435649.5	3767865	4.42E-08	1.167YrCa	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173 ALL	435649.5	3768065	3.79E-08	1.167YrCa	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174 ALL	435649.5	3768265	3.27E-08	1.167YrCa	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175 ALL	435649.5	3768465	2.79E-08	1.167YrCa	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176 ALL	435649.5	3768665	2.40E-08	1.167YrCa	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177 ALL	435449.5	3765665	6.08E-08	1.167YrCa	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178 ALL	435449.5	3765865	6.65E-08	1.167YrCa	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179 ALL	435449.5	3766065	7.15E-08	1.167YrCa	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180 ALL	435449.5	3766265	7.54E-08	1.167YrCa	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181 ALL	435449.5	3766465	7.78E-08	1.167YrCa	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182 ALL	435449.5	3766665	7.78E-08	1.167YrCa	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183 ALL	435449.5	3766865	7.58E-08	1.167YrCa	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184 ALL	435449.5	3767065	7.18E-08	1.167YrCa	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185 ALL	435449.5	3767265	6.63E-08	1.167YrCa	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186 ALL	435449.5	3767465	5.98E-08	1.167YrCa	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187 ALL	435449.5	3767665	4.68E-08	1.167YrCa	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188 ALL	435449.5	3767865	4.00E-08	1.167YrCa	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189 ALL	435449.5	3768065	3.51E-08	1.167YrCa	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190 ALL	435449.5	3768265	3.06E-08	1.167YrCa	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191 ALL	435449.5	3768465	2.65E-08	1.167YrCa	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192 ALL	435449.5	3768665	2.30E-08	1.167YrCa	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193 ALL	435249.5	3765665	5.24E-08	1.167YrCa	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194 ALL	435249.5	3765865	5.65E-08	1.167YrCa	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1195 ALL	435249.5	3766065	5.99E-08	1.167YrCa	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196 ALL	435249.5	3766265	6.26E-08	1.167YrCa	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197 ALL	435249.5	3766465	6.38E-08	1.167YrCa	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198 ALL	435249.5	3766665	6.40E-08	1.167YrCa	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199 ALL	435249.5	3766865	6.25E-08	1.167YrCa	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200 ALL	435249.5	3767065	5.99E-08	1.167YrCa	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201 ALL	435249.5	3767265	5.62E-08	1.167YrCa	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202 ALL	435249.5	3767465	5.17E-08	1.167YrCa	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203 ALL	435249.5	3767665	4.31E-08	1.167YrCa	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204 ALL	435249.5	3767865	3.67E-08	1.167YrCa	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205 ALL	435249.5	3768065	3.17E-08	1.167YrCa	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206 ALL	435249.5	3768265	2.82E-08	1.167YrCa	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207 ALL	435249.5	3768465	2.49E-08	1.167YrCa	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208 ALL	435249.5	3768665	2.19E-08	1.167YrCa	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209 ALL	435049.5	3765665	4.56E-08	1.167YrCa	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210 ALL	435049.5	3765865	4.86E-08	1.167YrCa	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211 ALL	435049.5	3766065	5.11E-08	1.167YrCa	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212 ALL	435049.5	3766265	5.29E-08	1.167YrCa	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213 ALL	435049.5	3766465	5.38E-08	1.167YrCa	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214 ALL	435049.5	3766665	5.37E-08	1.167YrCa	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215 ALL	435049.5	3766865	5.27E-08	1.167YrCa	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216 ALL	435049.5	3767065	5.08E-08	1.167YrCa	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217 ALL	435049.5	3767265	4.82E-08	1.167YrCa	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218 ALL	435049.5	3767465	4.50E-08	1.167YrCa	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219 ALL	435049.5	3767665	4.04E-08	1.167YrCa	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220 ALL	435049.5	3767865	3.32E-08	1.167YrCa	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221 ALL	435049.5	3768065	2.90E-08	1.167YrCa	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222 ALL	435049.5	3768265	2.58E-08	1.167YrCa	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223 ALL	435049.5	3768465	2.31E-08	1.167YrCa	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224 ALL	435049.5	3768665	2.09E-08	1.167YrCa	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.31E-05
1.31E+01

HARP2 - HRACalc (dated 22118) 11/4/2025 1:22:23 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.167

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.167
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

```
**Worker Adjustment Factors**
Worker adjustment factors enabled: NO

**Fraction at time at home**
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

**********
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Warm

**********
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for
details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\HARP2
Files\BENSONCONST\hra\ConstCancerUpdateCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\HARP2
Files\BENSONCONST\hra\ConstCancerUpdateCancerRiskSumByRec.csv
HRA ran successfully
```

*HARP - HRACalc v22118 11/4/2025 1:25:47 PM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\HARP2 Files\BENSONCONST\hra\ConstChronicUpdateHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		436849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
2	ALL		436849.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
3	ALL		436849.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
4	ALL		436849.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
5	ALL		436849.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
6	ALL		436849.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03
7	ALL		436849.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
8	ALL		436849.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03
9	ALL		436849.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
10	ALL		436849.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
11	ALL		436849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03
12	ALL		436849.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03
13	ALL		436849.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
14	ALL		436849.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03
15	ALL		436849.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
16	ALL		436849.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
17	ALL		436849.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
18	ALL		436849.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
19	ALL		436849.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
20	ALL		436849.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
21	ALL		436849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
22	ALL		436869.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
23	ALL		436869.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
24	ALL		436869.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
25	ALL		436869.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
26	ALL		436869.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03
27	ALL		436869.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
28	ALL		436869.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-03
29	ALL		436869.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03
30	ALL		436869.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-03
31	ALL		436869.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
32	ALL		436869.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
33	ALL		436869.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
34	ALL		436869.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
35	ALL		436869.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
36	ALL		436869.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
37	ALL		436889.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
38	ALL		436889.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
39	ALL		436889.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-03
40	ALL		436889.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-03
41	ALL		436889.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03
42	ALL		436889.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
43	ALL		436889.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-03
44	ALL		436889.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
45	ALL		436889.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03
46	ALL		436889.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
47	ALL		436889.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
48	ALL		436889.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03

49	ALL	436889.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
50	ALL	436909.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
51	ALL	436909.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
52	ALL	436909.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03
53	ALL	436909.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03
54	ALL	436909.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03
55	ALL	436909.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
56	ALL	436909.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
57	ALL	436909.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
58	ALL	436909.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
59	ALL	436909.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
60	ALL	436929.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
61	ALL	436929.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
62	ALL	436929.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-03
63	ALL	436929.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03
64	ALL	436929.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03
65	ALL	436929.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03
66	ALL	436929.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
67	ALL	436929.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
68	ALL	436929.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
69	ALL	436929.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
70	ALL	436949.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
71	ALL	436949.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03
72	ALL	436949.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-03
73	ALL	436949.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-03
74	ALL	436949.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03
75	ALL	436949.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03
76	ALL	436949.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
77	ALL	436949.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03
78	ALL	436949.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
79	ALL	436949.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
80	ALL	436969.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-03
81	ALL	436969.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-03
82	ALL	436969.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-03
83	ALL	436969.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03
84	ALL	436969.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
85	ALL	436969.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
86	ALL	436969.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
87	ALL	436969.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
88	ALL	436989.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-03
89	ALL	436989.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-03
90	ALL	436989.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-03
91	ALL	436989.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-03
92	ALL	436989.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
93	ALL	436989.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
94	ALL	436989.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
95	ALL	436989.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
96	ALL	437009.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03
97	ALL	437009.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03
98	ALL	437009.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03

99	ALL	437009.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
100	ALL	437009.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
101	ALL	437029.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03
102	ALL	437029.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03
103	ALL	437029.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
104	ALL	437029.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
105	ALL	437029.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
106	ALL	437049.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-03
107	ALL	437049.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-03
108	ALL	437049.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03
109	ALL	437049.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
110	ALL	437049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
111	ALL	437069.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-03
112	ALL	437069.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03
113	ALL	437069.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
114	ALL	437069.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
115	ALL	437069.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
116	ALL	437089.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-03
117	ALL	437089.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03
118	ALL	437089.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03
119	ALL	437089.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
120	ALL	437089.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
121	ALL	437109.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-03
122	ALL	437109.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03
123	ALL	437109.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03
124	ALL	437109.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
125	ALL	437109.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
126	ALL	437129.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-03
127	ALL	437129.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03
128	ALL	437129.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03
129	ALL	437129.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
130	ALL	437129.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
131	ALL	437149.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-03
132	ALL	437149.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03
133	ALL	437149.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-03
134	ALL	437149.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
135	ALL	437149.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
136	ALL	437169.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-03
137	ALL	437169.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03
138	ALL	437169.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03
139	ALL	437169.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
140	ALL	437169.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
141	ALL	437189.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
142	ALL	437189.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
143	ALL	437189.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03
144	ALL	437189.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03
145	ALL	437189.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-03
146	ALL	437189.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03
147	ALL	437189.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-03
148	ALL	437189.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-03

149	ALL	437189.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-02
150	ALL	437189.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-02
151	ALL	437189.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
152	ALL	437189.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02
153	ALL	437189.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02
154	ALL	437189.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-03
155	ALL	437189.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-03
156	ALL	437189.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-03
157	ALL	437189.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-03
158	ALL	437189.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03
159	ALL	437189.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
160	ALL	437189.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
161	ALL	437189.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
162	ALL	437209.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
163	ALL	437209.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
164	ALL	437209.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
165	ALL	437209.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03
166	ALL	437209.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03
167	ALL	437209.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-03
168	ALL	437209.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-03
169	ALL	437209.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-03
170	ALL	437209.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-03
171	ALL	437209.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-03
172	ALL	437209.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-02
173	ALL	437209.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-03
174	ALL	437209.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-03
175	ALL	437209.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-03
176	ALL	437209.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-03
177	ALL	437209.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03
178	ALL	437209.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03
179	ALL	437209.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03
180	ALL	437209.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
181	ALL	437209.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
182	ALL	437209.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
183	ALL	437229.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
184	ALL	437229.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
185	ALL	437229.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03
186	ALL	437229.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
187	ALL	437229.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03
188	ALL	437229.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-03
189	ALL	437229.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03
190	ALL	437229.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-03
191	ALL	437229.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-03
192	ALL	437229.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-03
193	ALL	437229.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-03
194	ALL	437229.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-03
195	ALL	437229.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-03
196	ALL	437229.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-03
197	ALL	437229.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-03
198	ALL	437229.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-03

199	ALL	437229.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-03
200	ALL	437229.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03
201	ALL	437229.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
202	ALL	437229.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
203	ALL	437229.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
204	ALL	437249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
205	ALL	437249.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
206	ALL	437249.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
207	ALL	437249.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03
208	ALL	437249.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-03
209	ALL	437249.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03
210	ALL	437249.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-03
211	ALL	437249.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-03
212	ALL	437249.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-03
213	ALL	437249.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-03
214	ALL	437249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-03
215	ALL	437249.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-03
216	ALL	437249.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-03
217	ALL	437249.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-03
218	ALL	437249.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-03
219	ALL	437249.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-03
220	ALL	437249.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03
221	ALL	437249.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
222	ALL	437249.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
223	ALL	437249.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
224	ALL	437249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
225	ALL	436849.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04
226	ALL	436849.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04
227	ALL	436849.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04
228	ALL	436849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04
229	ALL	436849.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
230	ALL	436849.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
231	ALL	436899.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
232	ALL	436899.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04
233	ALL	436899.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04
234	ALL	436899.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04
235	ALL	436899.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
236	ALL	436899.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
237	ALL	436949.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
238	ALL	436949.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04
239	ALL	436949.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04
240	ALL	436949.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
241	ALL	436949.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
242	ALL	436949.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
243	ALL	436999.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
244	ALL	436999.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04
245	ALL	436999.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04
246	ALL	436999.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
247	ALL	436999.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
248	ALL	436999.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04

249	ALL	437049.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
250	ALL	437049.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-04
251	ALL	437049.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04
252	ALL	437049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04
253	ALL	437049.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
254	ALL	437049.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
255	ALL	437099.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
256	ALL	437099.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
257	ALL	437099.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04
258	ALL	437099.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04
259	ALL	437099.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
260	ALL	437099.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
261	ALL	437149.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
262	ALL	437149.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04
263	ALL	437149.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04
264	ALL	437149.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
265	ALL	437149.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
266	ALL	437149.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
267	ALL	437199.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
268	ALL	437199.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04
269	ALL	437199.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04
270	ALL	437199.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
271	ALL	437199.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04
272	ALL	437199.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
273	ALL	437249.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
274	ALL	437249.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04
275	ALL	437249.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04
276	ALL	437249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
277	ALL	437249.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
278	ALL	437249.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
279	ALL	437299.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
280	ALL	437299.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04
281	ALL	437299.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04
282	ALL	437299.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
283	ALL	437299.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
284	ALL	437299.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
285	ALL	437349.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
286	ALL	437349.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04
287	ALL	437349.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04
288	ALL	437349.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
289	ALL	437349.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
290	ALL	437349.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
291	ALL	437399.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
292	ALL	437399.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04
293	ALL	437399.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04
294	ALL	437399.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04
295	ALL	437399.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04
296	ALL	437399.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
297	ALL	437449.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
298	ALL	437449.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04

299	ALL	437449.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04
300	ALL	437449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
301	ALL	437449.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
302	ALL	437449.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
303	ALL	437499.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04
304	ALL	437499.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
305	ALL	437499.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04
306	ALL	437499.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04
307	ALL	437499.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
308	ALL	437499.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
309	ALL	437549.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04
310	ALL	437549.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04
311	ALL	437549.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04
312	ALL	437549.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04
313	ALL	437549.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
314	ALL	437549.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
315	ALL	437299.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
316	ALL	437299.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
317	ALL	437299.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-03
318	ALL	437299.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-03
319	ALL	437299.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03
320	ALL	437299.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03
321	ALL	437299.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03
322	ALL	437299.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
323	ALL	437299.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
324	ALL	437299.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
325	ALL	437299.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
326	ALL	437299.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04
327	ALL	437299.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
328	ALL	437299.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
329	ALL	437299.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
330	ALL	437349.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
331	ALL	437349.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
332	ALL	437349.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
333	ALL	437349.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03
334	ALL	437349.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-03
335	ALL	437349.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
336	ALL	437349.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
337	ALL	437349.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
338	ALL	437349.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
339	ALL	437349.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04
340	ALL	437349.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04
341	ALL	437349.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04
342	ALL	437349.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
343	ALL	437349.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
344	ALL	437349.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
345	ALL	437399.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
346	ALL	437399.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
347	ALL	437399.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
348	ALL	437399.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03

349	ALL	437399.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03
350	ALL	437399.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
351	ALL	437399.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
352	ALL	437399.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
353	ALL	437399.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
354	ALL	437399.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04
355	ALL	437399.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
356	ALL	437399.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04
357	ALL	437399.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04
358	ALL	437399.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
359	ALL	437399.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
360	ALL	437449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
361	ALL	437449.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
362	ALL	437449.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
363	ALL	437449.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
364	ALL	437449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
365	ALL	437449.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
366	ALL	437449.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
367	ALL	437449.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
368	ALL	437449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04
369	ALL	437449.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04
370	ALL	437449.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
371	ALL	437449.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
372	ALL	437449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
373	ALL	437449.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
374	ALL	437449.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
375	ALL	437499.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
376	ALL	437499.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
377	ALL	437499.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
378	ALL	437499.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
379	ALL	437499.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
380	ALL	437499.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
381	ALL	437499.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
382	ALL	437499.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
383	ALL	437499.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04
384	ALL	437499.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04
385	ALL	437499.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04
386	ALL	437499.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
387	ALL	437499.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
388	ALL	437499.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
389	ALL	437499.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
390	ALL	437549.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
391	ALL	437549.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
392	ALL	437549.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
393	ALL	437549.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
394	ALL	437549.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
395	ALL	437549.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
396	ALL	437549.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
397	ALL	437549.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04
398	ALL	437549.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04

399	ALL	437549.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04
400	ALL	437549.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04
401	ALL	437549.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
402	ALL	437549.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
403	ALL	437549.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
404	ALL	437549.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
405	ALL	437249.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
406	ALL	437249.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04
407	ALL	437249.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04
408	ALL	437249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04
409	ALL	437249.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
410	ALL	437249.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
411	ALL	437199.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
412	ALL	437199.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04
413	ALL	437199.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04
414	ALL	437199.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
415	ALL	437199.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
416	ALL	437199.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
417	ALL	437149.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
418	ALL	437149.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
419	ALL	437149.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04
420	ALL	437149.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04
421	ALL	437149.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
422	ALL	437149.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
423	ALL	437099.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
424	ALL	437099.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
425	ALL	437099.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04
426	ALL	437099.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04
427	ALL	437099.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
428	ALL	437099.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
429	ALL	437049.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
430	ALL	437049.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
431	ALL	437049.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04
432	ALL	437049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
433	ALL	437049.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
434	ALL	437049.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04
435	ALL	436999.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
436	ALL	436999.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
437	ALL	436999.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04
438	ALL	436999.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
439	ALL	436999.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
440	ALL	436999.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
441	ALL	436949.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
442	ALL	436949.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
443	ALL	436949.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04
444	ALL	436949.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
445	ALL	436949.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04
446	ALL	436949.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
447	ALL	436899.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
448	ALL	436899.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03

449	ALL	436899.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04
450	ALL	436899.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04
451	ALL	436899.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04
452	ALL	436899.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
453	ALL	436849.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
454	ALL	436849.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04
455	ALL	436849.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04
456	ALL	436849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04
457	ALL	436849.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
458	ALL	436849.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
459	ALL	436799.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
460	ALL	436799.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04
461	ALL	436799.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04
462	ALL	436799.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04
463	ALL	436799.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04
464	ALL	436799.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
465	ALL	436749.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04
466	ALL	436749.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04
467	ALL	436749.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04
468	ALL	436749.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04
469	ALL	436749.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
470	ALL	436749.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
471	ALL	436699.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04
472	ALL	436699.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
473	ALL	436699.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
474	ALL	436699.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04
475	ALL	436699.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04
476	ALL	436699.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
477	ALL	436649.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04
478	ALL	436649.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04
479	ALL	436649.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
480	ALL	436649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
481	ALL	436649.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
482	ALL	436649.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
483	ALL	436599.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
484	ALL	436599.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04
485	ALL	436599.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
486	ALL	436599.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
487	ALL	436599.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
488	ALL	436599.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
489	ALL	436549.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
490	ALL	436549.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
491	ALL	436549.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
492	ALL	436549.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
493	ALL	436549.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
494	ALL	436549.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
495	ALL	436799.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
496	ALL	436799.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
497	ALL	436799.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
498	ALL	436799.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03

499	ALL	436799.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
500	ALL	436799.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
501	ALL	436799.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
502	ALL	436799.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
503	ALL	436799.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04
504	ALL	436799.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04
505	ALL	436799.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04
506	ALL	436799.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
507	ALL	436799.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
508	ALL	436799.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
509	ALL	436799.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
510	ALL	436749.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
511	ALL	436749.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
512	ALL	436749.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
513	ALL	436749.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
514	ALL	436749.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
515	ALL	436749.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
516	ALL	436749.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
517	ALL	436749.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04
518	ALL	436749.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04
519	ALL	436749.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
520	ALL	436749.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04
521	ALL	436749.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04
522	ALL	436749.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
523	ALL	436749.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
524	ALL	436749.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
525	ALL	436699.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04
526	ALL	436699.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04
527	ALL	436699.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
528	ALL	436699.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
529	ALL	436699.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
530	ALL	436699.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04
531	ALL	436699.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04
532	ALL	436699.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04
533	ALL	436699.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04
534	ALL	436699.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04
535	ALL	436699.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
536	ALL	436699.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
537	ALL	436699.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
538	ALL	436699.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
539	ALL	436699.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
540	ALL	436649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04
541	ALL	436649.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04
542	ALL	436649.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04
543	ALL	436649.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04
544	ALL	436649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04
545	ALL	436649.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
546	ALL	436649.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04
547	ALL	436649.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04
548	ALL	436649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04

549	ALL	436649.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04
550	ALL	436649.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
551	ALL	436649.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
552	ALL	436649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
553	ALL	436649.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
554	ALL	436649.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
555	ALL	436599.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04
556	ALL	436599.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04
557	ALL	436599.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04
558	ALL	436599.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04
559	ALL	436599.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
560	ALL	436599.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
561	ALL	436599.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04
562	ALL	436599.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
563	ALL	436599.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
564	ALL	436599.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
565	ALL	436599.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
566	ALL	436599.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
567	ALL	436599.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
568	ALL	436599.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
569	ALL	436599.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
570	ALL	436549.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
571	ALL	436549.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
572	ALL	436549.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04
573	ALL	436549.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04
574	ALL	436549.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
575	ALL	436549.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04
576	ALL	436549.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
577	ALL	436549.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
578	ALL	436549.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
579	ALL	436549.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
580	ALL	436549.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
581	ALL	436549.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
582	ALL	436549.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
583	ALL	436549.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
584	ALL	436549.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
585	ALL	436549.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
586	ALL	436549.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
587	ALL	436549.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
588	ALL	436549.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
589	ALL	436549.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05
590	ALL	436649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
591	ALL	436649.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
592	ALL	436649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
593	ALL	436649.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
594	ALL	436649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
595	ALL	436749.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
596	ALL	436749.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
597	ALL	436749.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
598	ALL	436749.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04

599	ALL	436749.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
600	ALL	436849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
601	ALL	436849.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
602	ALL	436849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
603	ALL	436849.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
604	ALL	436849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05
605	ALL	436949.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
606	ALL	436949.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
607	ALL	436949.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
608	ALL	436949.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
609	ALL	436949.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
610	ALL	437049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
611	ALL	437049.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
612	ALL	437049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
613	ALL	437049.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
614	ALL	437049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
615	ALL	437149.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
616	ALL	437149.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
617	ALL	437149.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
618	ALL	437149.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
619	ALL	437149.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
620	ALL	437249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
621	ALL	437249.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
622	ALL	437249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
623	ALL	437249.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
624	ALL	437249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
625	ALL	437349.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
626	ALL	437349.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
627	ALL	437349.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
628	ALL	437349.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
629	ALL	437349.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
630	ALL	437449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
631	ALL	437449.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
632	ALL	437449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
633	ALL	437449.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
634	ALL	437449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
635	ALL	437549.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
636	ALL	437549.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
637	ALL	437549.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
638	ALL	437549.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
639	ALL	437549.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
640	ALL	437649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
641	ALL	437649.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
642	ALL	437649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
643	ALL	437649.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
644	ALL	437649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
645	ALL	437749.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
646	ALL	437749.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
647	ALL	437749.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
648	ALL	437749.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04

649	ALL	437749.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
650	ALL	437849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
651	ALL	437849.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
652	ALL	437849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
653	ALL	437849.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
654	ALL	437849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
655	ALL	437949.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
656	ALL	437949.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
657	ALL	437949.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
658	ALL	437949.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
659	ALL	437949.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
660	ALL	438049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
661	ALL	438049.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
662	ALL	438049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
663	ALL	438049.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
664	ALL	438049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
665	ALL	437649.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
666	ALL	437649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
667	ALL	437649.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04
668	ALL	437649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04
669	ALL	437649.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04
670	ALL	437649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04
671	ALL	437649.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04
672	ALL	437649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04
673	ALL	437649.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
674	ALL	437649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
675	ALL	437649.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
676	ALL	437649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
677	ALL	437649.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
678	ALL	437649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
679	ALL	437649.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
680	ALL	437649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
681	ALL	437749.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
682	ALL	437749.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
683	ALL	437749.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04
684	ALL	437749.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04
685	ALL	437749.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04
686	ALL	437749.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04
687	ALL	437749.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04
688	ALL	437749.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04
689	ALL	437749.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
690	ALL	437749.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
691	ALL	437749.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
692	ALL	437749.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
693	ALL	437749.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
694	ALL	437749.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
695	ALL	437749.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
696	ALL	437749.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
697	ALL	437849.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
698	ALL	437849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04

699	ALL	437849.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04
700	ALL	437849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04
701	ALL	437849.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04
702	ALL	437849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04
703	ALL	437849.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04
704	ALL	437849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
705	ALL	437849.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
706	ALL	437849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
707	ALL	437849.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
708	ALL	437849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
709	ALL	437849.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
710	ALL	437849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
711	ALL	437849.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
712	ALL	437849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
713	ALL	437949.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
714	ALL	437949.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
715	ALL	437949.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
716	ALL	437949.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
717	ALL	437949.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
718	ALL	437949.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
719	ALL	437949.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
720	ALL	437949.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
721	ALL	437949.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
722	ALL	437949.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
723	ALL	437949.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
724	ALL	437949.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
725	ALL	437949.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
726	ALL	437949.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
727	ALL	437949.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
728	ALL	437949.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
729	ALL	438049.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
730	ALL	438049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
731	ALL	438049.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
732	ALL	438049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
733	ALL	438049.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
734	ALL	438049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
735	ALL	438049.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
736	ALL	438049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
737	ALL	438049.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
738	ALL	438049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
739	ALL	438049.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
740	ALL	438049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
741	ALL	438049.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
742	ALL	438049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
743	ALL	438049.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05
744	ALL	438049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
745	ALL	437549.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
746	ALL	437549.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
747	ALL	437549.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
748	ALL	437549.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04

749	ALL	437549.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
750	ALL	437449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
751	ALL	437449.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
752	ALL	437449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
753	ALL	437449.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
754	ALL	437449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
755	ALL	437349.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
756	ALL	437349.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
757	ALL	437349.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
758	ALL	437349.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
759	ALL	437349.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
760	ALL	437249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
761	ALL	437249.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
762	ALL	437249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
763	ALL	437249.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
764	ALL	437249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
765	ALL	437149.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
766	ALL	437149.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
767	ALL	437149.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
768	ALL	437149.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
769	ALL	437149.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
770	ALL	437049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
771	ALL	437049.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
772	ALL	437049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
773	ALL	437049.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
774	ALL	437049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
775	ALL	436949.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
776	ALL	436949.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
777	ALL	436949.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
778	ALL	436949.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
779	ALL	436949.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
780	ALL	436849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
781	ALL	436849.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
782	ALL	436849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
783	ALL	436849.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
784	ALL	436849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
785	ALL	436749.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
786	ALL	436749.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
787	ALL	436749.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
788	ALL	436749.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
789	ALL	436749.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
790	ALL	436649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
791	ALL	436649.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
792	ALL	436649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
793	ALL	436649.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
794	ALL	436649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
795	ALL	436549.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
796	ALL	436549.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
797	ALL	436549.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
798	ALL	436549.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04

799	ALL	436549.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
800	ALL	436449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
801	ALL	436449.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
802	ALL	436449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
803	ALL	436449.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
804	ALL	436449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
805	ALL	436349.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
806	ALL	436349.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
807	ALL	436349.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
808	ALL	436349.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
809	ALL	436349.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
810	ALL	436249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
811	ALL	436249.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
812	ALL	436249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
813	ALL	436249.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
814	ALL	436249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
815	ALL	436149.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
816	ALL	436149.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
817	ALL	436149.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
818	ALL	436149.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
819	ALL	436149.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
820	ALL	436049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
821	ALL	436049.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
822	ALL	436049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
823	ALL	436049.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
824	ALL	436049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
825	ALL	436449.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
826	ALL	436449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
827	ALL	436449.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
828	ALL	436449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
829	ALL	436449.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
830	ALL	436449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
831	ALL	436449.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
832	ALL	436449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
833	ALL	436449.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
834	ALL	436449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
835	ALL	436449.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
836	ALL	436449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
837	ALL	436449.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
838	ALL	436449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
839	ALL	436449.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
840	ALL	436449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05
841	ALL	436349.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
842	ALL	436349.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
843	ALL	436349.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
844	ALL	436349.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
845	ALL	436349.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
846	ALL	436349.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
847	ALL	436349.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
848	ALL	436349.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04

849	ALL	436349.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
850	ALL	436349.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
851	ALL	436349.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
852	ALL	436349.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
853	ALL	436349.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
854	ALL	436349.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
855	ALL	436349.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
856	ALL	436349.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
857	ALL	436249.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
858	ALL	436249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
859	ALL	436249.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
860	ALL	436249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
861	ALL	436249.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
862	ALL	436249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
863	ALL	436249.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
864	ALL	436249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
865	ALL	436249.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
866	ALL	436249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
867	ALL	436249.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
868	ALL	436249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
869	ALL	436249.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
870	ALL	436249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
871	ALL	436249.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
872	ALL	436249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
873	ALL	436149.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
874	ALL	436149.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
875	ALL	436149.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
876	ALL	436149.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
877	ALL	436149.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
878	ALL	436149.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
879	ALL	436149.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
880	ALL	436149.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
881	ALL	436149.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
882	ALL	436149.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
883	ALL	436149.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
884	ALL	436149.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
885	ALL	436149.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
886	ALL	436149.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
887	ALL	436149.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
888	ALL	436149.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
889	ALL	436049.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
890	ALL	436049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
891	ALL	436049.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
892	ALL	436049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
893	ALL	436049.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
894	ALL	436049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
895	ALL	436049.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
896	ALL	436049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
897	ALL	436049.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
898	ALL	436049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04

899	ALL	436049.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
900	ALL	436049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
901	ALL	436049.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05
902	ALL	436049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
903	ALL	436049.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
904	ALL	436049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
905	ALL	436049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
906	ALL	436049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
907	ALL	436049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
908	ALL	436049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
909	ALL	436049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
910	ALL	436249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
911	ALL	436249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
912	ALL	436249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
913	ALL	436249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
914	ALL	436249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
915	ALL	436449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
916	ALL	436449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
917	ALL	436449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
918	ALL	436449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
919	ALL	436449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
920	ALL	436649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
921	ALL	436649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
922	ALL	436649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
923	ALL	436649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
924	ALL	436649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
925	ALL	436849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
926	ALL	436849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
927	ALL	436849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
928	ALL	436849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
929	ALL	436849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
930	ALL	437049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
931	ALL	437049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
932	ALL	437049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
933	ALL	437049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
934	ALL	437049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
935	ALL	437249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
936	ALL	437249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
937	ALL	437249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
938	ALL	437249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
939	ALL	437249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
940	ALL	437449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
941	ALL	437449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
942	ALL	437449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
943	ALL	437449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
944	ALL	437449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
945	ALL	437649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
946	ALL	437649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
947	ALL	437649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
948	ALL	437649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05

949	ALL	437649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
950	ALL	437849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
951	ALL	437849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
952	ALL	437849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
953	ALL	437849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
954	ALL	437849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
955	ALL	438049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
956	ALL	438049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
957	ALL	438049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
958	ALL	438049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
959	ALL	438049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
960	ALL	438249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
961	ALL	438249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05
962	ALL	438249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
963	ALL	438249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
964	ALL	438249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
965	ALL	438449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
966	ALL	438449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
967	ALL	438449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
968	ALL	438449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
969	ALL	438449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
970	ALL	438649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
971	ALL	438649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05
972	ALL	438649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
973	ALL	438649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
974	ALL	438649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
975	ALL	438849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
976	ALL	438849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
977	ALL	438849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
978	ALL	438849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
979	ALL	438849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
980	ALL	439049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
981	ALL	439049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
982	ALL	439049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
983	ALL	439049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
984	ALL	439049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
985	ALL	438249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
986	ALL	438249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
987	ALL	438249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
988	ALL	438249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
989	ALL	438249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
990	ALL	438249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
991	ALL	438249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
992	ALL	438249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
993	ALL	438249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
994	ALL	438249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
995	ALL	438249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
996	ALL	438249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
997	ALL	438249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
998	ALL	438249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05

999	ALL	438249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1000	ALL	438249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
1001	ALL	438449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1002	ALL	438449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1003	ALL	438449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1004	ALL	438449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1005	ALL	438449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
1006	ALL	438449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
1007	ALL	438449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
1008	ALL	438449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1009	ALL	438449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1010	ALL	438449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05
1011	ALL	438449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05
1012	ALL	438449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
1013	ALL	438449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
1014	ALL	438449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
1015	ALL	438449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1016	ALL	438449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
1017	ALL	438649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
1018	ALL	438649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1019	ALL	438649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1020	ALL	438649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1021	ALL	438649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1022	ALL	438649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1023	ALL	438649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1024	ALL	438649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1025	ALL	438649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1026	ALL	438649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
1027	ALL	438649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
1028	ALL	438649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
1029	ALL	438649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
1030	ALL	438649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
1031	ALL	438649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1032	ALL	438649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
1033	ALL	438849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
1034	ALL	438849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1035	ALL	438849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1036	ALL	438849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1037	ALL	438849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1038	ALL	438849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1039	ALL	438849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1040	ALL	438849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1041	ALL	438849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1042	ALL	438849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
1043	ALL	438849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
1044	ALL	438849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
1045	ALL	438849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
1046	ALL	438849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1047	ALL	438849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
1048	ALL	438849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05

1049	ALL	439049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05
1050	ALL	439049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
1051	ALL	439049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
1052	ALL	439049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1053	ALL	439049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1054	ALL	439049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1055	ALL	439049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1056	ALL	439049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1057	ALL	439049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05
1058	ALL	439049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
1059	ALL	439049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
1060	ALL	439049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
1061	ALL	439049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
1062	ALL	439049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
1063	ALL	439049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
1064	ALL	439049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1065	ALL	438049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
1066	ALL	438049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
1067	ALL	438049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1068	ALL	438049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
1069	ALL	438049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1070	ALL	437849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
1071	ALL	437849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
1072	ALL	437849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
1073	ALL	437849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1074	ALL	437849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1075	ALL	437649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05
1076	ALL	437649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
1077	ALL	437649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
1078	ALL	437649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
1079	ALL	437649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
1080	ALL	437449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05
1081	ALL	437449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
1082	ALL	437449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
1083	ALL	437449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
1084	ALL	437449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
1085	ALL	437249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1086	ALL	437249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
1087	ALL	437249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
1088	ALL	437249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
1089	ALL	437249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
1090	ALL	437049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1091	ALL	437049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
1092	ALL	437049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
1093	ALL	437049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
1094	ALL	437049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
1095	ALL	436849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
1096	ALL	436849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
1097	ALL	436849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
1098	ALL	436849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05

1099	ALL	436849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1100	ALL	436649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
1101	ALL	436649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
1102	ALL	436649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
1103	ALL	436649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1104	ALL	436649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
1105	ALL	436449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
1106	ALL	436449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
1107	ALL	436449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
1108	ALL	436449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
1109	ALL	436449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
1110	ALL	436249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
1111	ALL	436249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
1112	ALL	436249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
1113	ALL	436249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
1114	ALL	436249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1115	ALL	436049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
1116	ALL	436049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
1117	ALL	436049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
1118	ALL	436049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
1119	ALL	436049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
1120	ALL	435849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
1121	ALL	435849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
1122	ALL	435849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
1123	ALL	435849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
1124	ALL	435849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
1125	ALL	435649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
1126	ALL	435649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
1127	ALL	435649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
1128	ALL	435649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1129	ALL	435649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
1130	ALL	435449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
1131	ALL	435449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
1132	ALL	435449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
1133	ALL	435449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1134	ALL	435449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1135	ALL	435249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
1136	ALL	435249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
1137	ALL	435249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
1138	ALL	435249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1139	ALL	435249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
1140	ALL	435049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
1141	ALL	435049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
1142	ALL	435049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
1143	ALL	435049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1144	ALL	435049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
1145	ALL	435849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
1146	ALL	435849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05
1147	ALL	435849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1148	ALL	435849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04

1149	ALL	435849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1150	ALL	435849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1151	ALL	435849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1152	ALL	435849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1153	ALL	435849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
1154	ALL	435849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
1155	ALL	435849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
1156	ALL	435849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
1157	ALL	435849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
1158	ALL	435849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1159	ALL	435849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1160	ALL	435849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
1161	ALL	435649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
1162	ALL	435649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05
1163	ALL	435649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
1164	ALL	435649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
1165	ALL	435649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
1166	ALL	435649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
1167	ALL	435649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05
1168	ALL	435649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
1169	ALL	435649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05
1170	ALL	435649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
1171	ALL	435649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
1172	ALL	435649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1173	ALL	435649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1174	ALL	435649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1175	ALL	435649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
1176	ALL	435649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1177	ALL	435449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
1178	ALL	435449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
1179	ALL	435449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
1180	ALL	435449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
1181	ALL	435449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
1182	ALL	435449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
1183	ALL	435449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
1184	ALL	435449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
1185	ALL	435449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
1186	ALL	435449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1187	ALL	435449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1188	ALL	435449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1189	ALL	435449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1190	ALL	435449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1191	ALL	435449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
1192	ALL	435449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1193	ALL	435249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
1194	ALL	435249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1195	ALL	435249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1196	ALL	435249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
1197	ALL	435249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
1198	ALL	435249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05

1199	ALL	435249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
1200	ALL	435249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1201	ALL	435249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
1202	ALL	435249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
1203	ALL	435249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
1204	ALL	435249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
1205	ALL	435249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
1206	ALL	435249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1207	ALL	435249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
1208	ALL	435249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1209	ALL	435049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
1210	ALL	435049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
1211	ALL	435049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1212	ALL	435049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
1213	ALL	435049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
1214	ALL	435049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
1215	ALL	435049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
1216	ALL	435049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
1217	ALL	435049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
1218	ALL	435049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
1219	ALL	435049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1220	ALL	435049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1221	ALL	435049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1222	ALL	435049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1223	ALL	435049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1224	ALL	435049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05

1.28E-02

HARP2 - HRACalc (dated 22118) 11/4/2025 1:25:47 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\HARP2 Files\BENSONCONST\hra\ConstChronicUpdateNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\HARP2 Files\BENSONCONST\hra\ConstChronicUpdateNCChronicRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 11/5/2025 1:40:21 PM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\HARP2 Files\BensonMit\hra\ConstCancerMitHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		436849.5	3766465	7.16E-07	1.167YrCa	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		436849.5	3766485	7.92E-07	1.167YrCa	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		436849.5	3766505	8.72E-07	1.167YrCa	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		436849.5	3766525	9.59E-07	1.167YrCa	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		436849.5	3766545	1.05E-06	1.167YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		436849.5	3766565	1.14E-06	1.167YrCa	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		436849.5	3766585	1.22E-06	1.167YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		436849.5	3766605	1.29E-06	1.167YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		436849.5	3766625	1.33E-06	1.167YrCa	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		436849.5	3766645	1.34E-06	1.167YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		436849.5	3766665	1.32E-06	1.167YrCa	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		436849.5	3766685	1.28E-06	1.167YrCa	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		436849.5	3766705	1.20E-06	1.167YrCa	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		436849.5	3766725	1.11E-06	1.167YrCa	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		436849.5	3766745	1.01E-06	1.167YrCa	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		436849.5	3766765	9.15E-07	1.167YrCa	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		436849.5	3766785	8.26E-07	1.167YrCa	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		436849.5	3766805	7.45E-07	1.167YrCa	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		436849.5	3766825	6.72E-07	1.167YrCa	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		436849.5	3766845	6.08E-07	1.167YrCa	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		436849.5	3766865	5.51E-07	1.167YrCa	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		436869.5	3766465	7.75E-07	1.167YrCa	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		436869.5	3766485	8.69E-07	1.167YrCa	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		436869.5	3766505	9.71E-07	1.167YrCa	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		436869.5	3766525	1.08E-06	1.167YrCa	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		436869.5	3766545	1.21E-06	1.167YrCa	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		436869.5	3766565	1.33E-06	1.167YrCa	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		436869.5	3766585	1.46E-06	1.167YrCa	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		436869.5	3766725	1.31E-06	1.167YrCa	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		436869.5	3766745	1.17E-06	1.167YrCa	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		436869.5	3766765	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		436869.5	3766785	9.25E-07	1.167YrCa	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		436869.5	3766805	8.23E-07	1.167YrCa	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		436869.5	3766825	7.35E-07	1.167YrCa	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		436869.5	3766845	6.58E-07	1.167YrCa	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		436869.5	3766865	5.92E-07	1.167YrCa	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		436889.5	3766465	8.38E-07	1.167YrCa	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		436889.5	3766485	9.54E-07	1.167YrCa	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		436889.5	3766545	1.40E-06	1.167YrCa	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		436889.5	3766565	1.59E-06	1.167YrCa	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		436889.5	3766585	1.78E-06	1.167YrCa	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		436889.5	3766725	1.56E-06	1.167YrCa	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		436889.5	3766745	1.36E-06	1.167YrCa	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		436889.5	3766765	1.19E-06	1.167YrCa	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

45	ALL	436889.5	3766785	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	436889.5	3766805	9.10E-07	1.167YrCa	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	436889.5	3766825	8.02E-07	1.167YrCa	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	436889.5	3766845	7.11E-07	1.167YrCa	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	436889.5	3766865	6.34E-07	1.167YrCa	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	436909.5	3766465	9.03E-07	1.167YrCa	9.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	436909.5	3766485	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	436909.5	3766725	1.90E-06	1.167YrCa	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	436909.5	3766745	1.60E-06	1.167YrCa	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	436909.5	3766765	1.36E-06	1.167YrCa	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	436909.5	3766785	1.16E-06	1.167YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	436909.5	3766805	1.00E-06	1.167YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	436909.5	3766825	8.73E-07	1.167YrCa	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	436909.5	3766845	7.66E-07	1.167YrCa	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	436909.5	3766865	6.76E-07	1.167YrCa	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	436929.5	3766465	9.58E-07	1.167YrCa	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	436929.5	3766485	1.12E-06	1.167YrCa	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	436929.5	3766725	2.34E-06	1.167YrCa	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	436929.5	3766745	1.89E-06	1.167YrCa	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	436929.5	3766765	1.56E-06	1.167YrCa	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	436929.5	3766785	1.30E-06	1.167YrCa	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	436929.5	3766805	1.10E-06	1.167YrCa	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	436929.5	3766825	9.46E-07	1.167YrCa	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	436929.5	3766845	8.20E-07	1.167YrCa	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	436929.5	3766865	7.18E-07	1.167YrCa	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	436949.5	3766465	1.00E-06	1.167YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	436949.5	3766485	1.18E-06	1.167YrCa	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	436949.5	3766725	2.89E-06	1.167YrCa	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	436949.5	3766745	2.22E-06	1.167YrCa	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	436949.5	3766765	1.77E-06	1.167YrCa	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	436949.5	3766785	1.44E-06	1.167YrCa	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	436949.5	3766805	1.20E-06	1.167YrCa	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	436949.5	3766825	1.02E-06	1.167YrCa	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	436949.5	3766845	8.73E-07	1.167YrCa	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	436949.5	3766865	7.58E-07	1.167YrCa	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	436969.5	3766725	3.51E-06	1.167YrCa	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	436969.5	3766745	2.56E-06	1.167YrCa	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	436969.5	3766765	1.98E-06	1.167YrCa	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	436969.5	3766785	1.58E-06	1.167YrCa	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	436969.5	3766805	1.29E-06	1.167YrCa	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	436969.5	3766825	1.08E-06	1.167YrCa	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	436969.5	3766845	9.22E-07	1.167YrCa	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	436969.5	3766865	7.95E-07	1.167YrCa	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	436989.5	3766725	4.10E-06	1.167YrCa	4.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	436989.5	3766745	2.88E-06	1.167YrCa	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	436989.5	3766765	2.17E-06	1.167YrCa	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

91	ALL	436989.5	3766785	1.70E-06	1.167YrCa	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	436989.5	3766805	1.38E-06	1.167YrCa	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	436989.5	3766825	1.14E-06	1.167YrCa	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	436989.5	3766845	9.66E-07	1.167YrCa	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	436989.5	3766865	8.28E-07	1.167YrCa	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	437009.5	3766785	1.81E-06	1.167YrCa	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	437009.5	3766805	1.45E-06	1.167YrCa	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	437009.5	3766825	1.19E-06	1.167YrCa	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	437009.5	3766845	1.00E-06	1.167YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	437009.5	3766865	8.54E-07	1.167YrCa	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	437029.5	3766785	1.90E-06	1.167YrCa	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	437029.5	3766805	1.51E-06	1.167YrCa	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	437029.5	3766825	1.23E-06	1.167YrCa	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	437029.5	3766845	1.03E-06	1.167YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	437029.5	3766865	8.74E-07	1.167YrCa	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	437049.5	3766785	1.97E-06	1.167YrCa	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	437049.5	3766805	1.55E-06	1.167YrCa	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	437049.5	3766825	1.26E-06	1.167YrCa	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	437049.5	3766845	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	437049.5	3766865	8.86E-07	1.167YrCa	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	437069.5	3766785	2.02E-06	1.167YrCa	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	437069.5	3766805	1.57E-06	1.167YrCa	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	437069.5	3766825	1.27E-06	1.167YrCa	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	437069.5	3766845	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	437069.5	3766865	8.92E-07	1.167YrCa	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	437089.5	3766785	2.04E-06	1.167YrCa	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	437089.5	3766805	1.59E-06	1.167YrCa	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	437089.5	3766825	1.28E-06	1.167YrCa	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	437089.5	3766845	1.06E-06	1.167YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	437089.5	3766865	8.95E-07	1.167YrCa	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	437109.5	3766785	2.04E-06	1.167YrCa	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	437109.5	3766805	1.59E-06	1.167YrCa	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	437109.5	3766825	1.28E-06	1.167YrCa	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	437109.5	3766845	1.06E-06	1.167YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	437109.5	3766865	8.93E-07	1.167YrCa	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	437129.5	3766785	2.01E-06	1.167YrCa	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	437129.5	3766805	1.58E-06	1.167YrCa	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	437129.5	3766825	1.27E-06	1.167YrCa	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	437129.5	3766845	1.05E-06	1.167YrCa	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	437129.5	3766865	8.87E-07	1.167YrCa	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	437149.5	3766785	1.97E-06	1.167YrCa	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	437149.5	3766805	1.55E-06	1.167YrCa	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	437149.5	3766825	1.26E-06	1.167YrCa	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	437149.5	3766845	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	437149.5	3766865	8.79E-07	1.167YrCa	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	437169.5	3766785	1.91E-06	1.167YrCa	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

137	ALL	437169.5	3766805	1.52E-06	1.167YrCa	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	437169.5	3766825	1.24E-06	1.167YrCa	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	437169.5	3766845	1.03E-06	1.167YrCa	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	437169.5	3766865	8.69E-07	1.167YrCa	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	437189.5	3766465	8.30E-07	1.167YrCa	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	437189.5	3766485	9.71E-07	1.167YrCa	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	437189.5	3766505	1.16E-06	1.167YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	437189.5	3766525	1.41E-06	1.167YrCa	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	437189.5	3766545	1.75E-06	1.167YrCa	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	437189.5	3766565	2.23E-06	1.167YrCa	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	437189.5	3766585	2.91E-06	1.167YrCa	2.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	437189.5	3766605	3.81E-06	1.167YrCa	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	437189.5	3766625	4.81E-06	1.167YrCa	4.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	437189.5	3766645	5.61E-06	1.167YrCa	5.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	437189.5	3766665	5.92E-06	1.167YrCa	5.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	437189.5	3766685	5.65E-06	1.167YrCa	5.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	437189.5	3766705	4.85E-06	1.167YrCa	4.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	437189.5	3766725	3.86E-06	1.167YrCa	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	437189.5	3766745	2.99E-06	1.167YrCa	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	437189.5	3766765	2.33E-06	1.167YrCa	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	437189.5	3766785	1.84E-06	1.167YrCa	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	437189.5	3766805	1.48E-06	1.167YrCa	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	437189.5	3766825	1.22E-06	1.167YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	437189.5	3766845	1.01E-06	1.167YrCa	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	437189.5	3766865	8.57E-07	1.167YrCa	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	437209.5	3766465	7.85E-07	1.167YrCa	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	437209.5	3766485	9.15E-07	1.167YrCa	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	437209.5	3766505	1.08E-06	1.167YrCa	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	437209.5	3766525	1.31E-06	1.167YrCa	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	437209.5	3766545	1.60E-06	1.167YrCa	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	437209.5	3766565	2.01E-06	1.167YrCa	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	437209.5	3766585	2.54E-06	1.167YrCa	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	437209.5	3766605	3.18E-06	1.167YrCa	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	437209.5	3766625	3.85E-06	1.167YrCa	3.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	437209.5	3766645	4.40E-06	1.167YrCa	4.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	437209.5	3766665	4.65E-06	1.167YrCa	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	437209.5	3766685	4.51E-06	1.167YrCa	4.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	437209.5	3766705	4.04E-06	1.167YrCa	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	437209.5	3766725	3.39E-06	1.167YrCa	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	437209.5	3766745	2.74E-06	1.167YrCa	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	437209.5	3766765	2.20E-06	1.167YrCa	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	437209.5	3766785	1.77E-06	1.167YrCa	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	437209.5	3766805	1.44E-06	1.167YrCa	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	437209.5	3766825	1.19E-06	1.167YrCa	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	437209.5	3766845	9.96E-07	1.167YrCa	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	437209.5	3766865	8.45E-07	1.167YrCa	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

183	ALL	437229.5	3766465	7.44E-07	1.167YrCa	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	437229.5	3766485	8.64E-07	1.167YrCa	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	437229.5	3766505	1.02E-06	1.167YrCa	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	437229.5	3766525	1.22E-06	1.167YrCa	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	437229.5	3766545	1.48E-06	1.167YrCa	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	437229.5	3766565	1.81E-06	1.167YrCa	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	437229.5	3766585	2.23E-06	1.167YrCa	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	437229.5	3766605	2.71E-06	1.167YrCa	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	437229.5	3766625	3.18E-06	1.167YrCa	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	437229.5	3766645	3.56E-06	1.167YrCa	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	437229.5	3766665	3.75E-06	1.167YrCa	3.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	437229.5	3766685	3.69E-06	1.167YrCa	3.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	437229.5	3766705	3.40E-06	1.167YrCa	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	437229.5	3766725	2.96E-06	1.167YrCa	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	437229.5	3766745	2.49E-06	1.167YrCa	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	437229.5	3766765	2.05E-06	1.167YrCa	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	437229.5	3766785	1.69E-06	1.167YrCa	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	437229.5	3766805	1.39E-06	1.167YrCa	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	437229.5	3766825	1.16E-06	1.167YrCa	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	437229.5	3766845	9.77E-07	1.167YrCa	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	437229.5	3766865	8.33E-07	1.167YrCa	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	437249.5	3766465	7.07E-07	1.167YrCa	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	437249.5	3766485	8.18E-07	1.167YrCa	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	437249.5	3766505	9.58E-07	1.167YrCa	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	437249.5	3766525	1.14E-06	1.167YrCa	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	437249.5	3766545	1.37E-06	1.167YrCa	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	437249.5	3766565	1.65E-06	1.167YrCa	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	437249.5	3766585	1.98E-06	1.167YrCa	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	437249.5	3766605	2.34E-06	1.167YrCa	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	437249.5	3766625	2.68E-06	1.167YrCa	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	437249.5	3766645	2.95E-06	1.167YrCa	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	437249.5	3766665	3.09E-06	1.167YrCa	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	437249.5	3766685	3.07E-06	1.167YrCa	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	437249.5	3766705	2.88E-06	1.167YrCa	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	437249.5	3766725	2.59E-06	1.167YrCa	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	437249.5	3766745	2.25E-06	1.167YrCa	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	437249.5	3766765	1.90E-06	1.167YrCa	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	437249.5	3766785	1.60E-06	1.167YrCa	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	437249.5	3766805	1.34E-06	1.167YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	437249.5	3766825	1.13E-06	1.167YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	437249.5	3766845	9.56E-07	1.167YrCa	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	437249.5	3766865	8.19E-07	1.167YrCa	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	436849.5	3766915	4.37E-07	1.167YrCa	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	436849.5	3766965	3.53E-07	1.167YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	436849.5	3767015	2.91E-07	1.167YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	436849.5	3767065	2.41E-07	1.167YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

229	ALL	436849.5	3767115	1.79E-07	1.167YrCa	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	436849.5	3767165	1.45E-07	1.167YrCa	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	436899.5	3766915	4.98E-07	1.167YrCa	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	436899.5	3766965	3.91E-07	1.167YrCa	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	436899.5	3767015	3.15E-07	1.167YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	436899.5	3767065	2.53E-07	1.167YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	436899.5	3767115	1.88E-07	1.167YrCa	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	436899.5	3767165	1.51E-07	1.167YrCa	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	436949.5	3766915	5.55E-07	1.167YrCa	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	436949.5	3766965	4.25E-07	1.167YrCa	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	436949.5	3767015	3.31E-07	1.167YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	436949.5	3767065	2.54E-07	1.167YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	436949.5	3767115	1.98E-07	1.167YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	436949.5	3767165	1.58E-07	1.167YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	436999.5	3766915	5.98E-07	1.167YrCa	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	436999.5	3766965	4.50E-07	1.167YrCa	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	436999.5	3767015	3.14E-07	1.167YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	436999.5	3767065	2.43E-07	1.167YrCa	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	436999.5	3767115	1.99E-07	1.167YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	436999.5	3767165	1.64E-07	1.167YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	437049.5	3766915	6.21E-07	1.167YrCa	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	437049.5	3766965	4.62E-07	1.167YrCa	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	437049.5	3767015	3.12E-07	1.167YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	437049.5	3767065	2.45E-07	1.167YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	437049.5	3767115	1.98E-07	1.167YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	437049.5	3767165	1.64E-07	1.167YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	437099.5	3766915	6.23E-07	1.167YrCa	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	437099.5	3766965	4.63E-07	1.167YrCa	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	437099.5	3767015	3.21E-07	1.167YrCa	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	437099.5	3767065	2.50E-07	1.167YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	437099.5	3767115	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	437099.5	3767165	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	437149.5	3766915	6.12E-07	1.167YrCa	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	437149.5	3766965	4.55E-07	1.167YrCa	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	437149.5	3767015	3.34E-07	1.167YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	437149.5	3767065	2.52E-07	1.167YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	437149.5	3767115	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	437149.5	3767165	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	437199.5	3766915	5.96E-07	1.167YrCa	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	437199.5	3766965	4.44E-07	1.167YrCa	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	437199.5	3767015	3.39E-07	1.167YrCa	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	437199.5	3767065	2.52E-07	1.167YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	437199.5	3767115	1.99E-07	1.167YrCa	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	437199.5	3767165	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	437249.5	3766915	5.79E-07	1.167YrCa	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	437249.5	3766965	4.30E-07	1.167YrCa	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

275	ALL	437249.5	3767015	3.27E-07	1.167YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	437249.5	3767065	2.52E-07	1.167YrCa	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	437249.5	3767115	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	437249.5	3767165	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	437299.5	3766915	5.61E-07	1.167YrCa	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	437299.5	3766965	4.22E-07	1.167YrCa	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	437299.5	3767015	3.27E-07	1.167YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	437299.5	3767065	2.55E-07	1.167YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	437299.5	3767115	2.02E-07	1.167YrCa	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	437299.5	3767165	1.66E-07	1.167YrCa	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	437349.5	3766915	5.39E-07	1.167YrCa	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	437349.5	3766965	4.09E-07	1.167YrCa	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	437349.5	3767015	3.20E-07	1.167YrCa	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	437349.5	3767065	2.53E-07	1.167YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	437349.5	3767115	2.03E-07	1.167YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	437349.5	3767165	1.68E-07	1.167YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	437399.5	3766915	5.10E-07	1.167YrCa	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	437399.5	3766965	3.96E-07	1.167YrCa	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	437399.5	3767015	3.12E-07	1.167YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	437399.5	3767065	2.48E-07	1.167YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	437399.5	3767115	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	437399.5	3767165	1.68E-07	1.167YrCa	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	437449.5	3766915	4.77E-07	1.167YrCa	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	437449.5	3766965	3.80E-07	1.167YrCa	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	437449.5	3767015	3.04E-07	1.167YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	437449.5	3767065	2.45E-07	1.167YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	437449.5	3767115	2.00E-07	1.167YrCa	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	437449.5	3767165	1.67E-07	1.167YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	437499.5	3766915	4.42E-07	1.167YrCa	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	437499.5	3766965	3.62E-07	1.167YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	437499.5	3767015	2.95E-07	1.167YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	437499.5	3767065	2.41E-07	1.167YrCa	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	437499.5	3767115	1.98E-07	1.167YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	437499.5	3767165	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	437549.5	3766915	4.06E-07	1.167YrCa	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	437549.5	3766965	3.43E-07	1.167YrCa	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	437549.5	3767015	2.84E-07	1.167YrCa	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	437549.5	3767065	2.35E-07	1.167YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	437549.5	3767115	1.95E-07	1.167YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	437549.5	3767165	1.64E-07	1.167YrCa	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	437299.5	3766865	7.77E-07	1.167YrCa	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	437299.5	3766815	1.11E-06	1.167YrCa	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	437299.5	3766765	1.54E-06	1.167YrCa	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	437299.5	3766715	1.95E-06	1.167YrCa	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	437299.5	3766665	2.06E-06	1.167YrCa	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	437299.5	3766615	1.78E-06	1.167YrCa	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

321 ALL	437299.5	3766565	1.31E-06	1.167YrCa	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322 ALL	437299.5	3766515	8.96E-07	1.167YrCa	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323 ALL	437299.5	3766465	6.27E-07	1.167YrCa	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324 ALL	437299.5	3766415	4.64E-07	1.167YrCa	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325 ALL	437299.5	3766365	3.63E-07	1.167YrCa	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326 ALL	437299.5	3766315	2.95E-07	1.167YrCa	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327 ALL	437299.5	3766265	2.46E-07	1.167YrCa	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328 ALL	437299.5	3766215	2.09E-07	1.167YrCa	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329 ALL	437299.5	3766165	1.80E-07	1.167YrCa	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330 ALL	437349.5	3766865	7.23E-07	1.167YrCa	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331 ALL	437349.5	3766815	9.67E-07	1.167YrCa	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332 ALL	437349.5	3766765	1.24E-06	1.167YrCa	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333 ALL	437349.5	3766715	1.45E-06	1.167YrCa	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334 ALL	437349.5	3766665	1.49E-06	1.167YrCa	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335 ALL	437349.5	3766615	1.34E-06	1.167YrCa	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336 ALL	437349.5	3766565	1.06E-06	1.167YrCa	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337 ALL	437349.5	3766515	7.75E-07	1.167YrCa	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338 ALL	437349.5	3766465	5.63E-07	1.167YrCa	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339 ALL	437349.5	3766415	4.22E-07	1.167YrCa	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340 ALL	437349.5	3766365	3.31E-07	1.167YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341 ALL	437349.5	3766315	2.70E-07	1.167YrCa	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342 ALL	437349.5	3766265	2.27E-07	1.167YrCa	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343 ALL	437349.5	3766215	1.95E-07	1.167YrCa	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344 ALL	437349.5	3766165	1.69E-07	1.167YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345 ALL	437399.5	3766865	6.59E-07	1.167YrCa	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346 ALL	437399.5	3766815	8.34E-07	1.167YrCa	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347 ALL	437399.5	3766765	1.00E-06	1.167YrCa	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348 ALL	437399.5	3766715	1.12E-06	1.167YrCa	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349 ALL	437399.5	3766665	1.13E-06	1.167YrCa	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350 ALL	437399.5	3766615	1.04E-06	1.167YrCa	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351 ALL	437399.5	3766565	8.68E-07	1.167YrCa	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352 ALL	437399.5	3766515	6.73E-07	1.167YrCa	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353 ALL	437399.5	3766465	5.10E-07	1.167YrCa	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354 ALL	437399.5	3766415	3.89E-07	1.167YrCa	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355 ALL	437399.5	3766365	3.06E-07	1.167YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356 ALL	437399.5	3766315	2.50E-07	1.167YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357 ALL	437399.5	3766265	2.10E-07	1.167YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358 ALL	437399.5	3766215	1.81E-07	1.167YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359 ALL	437399.5	3766165	1.58E-07	1.167YrCa	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360 ALL	437449.5	3766865	5.93E-07	1.167YrCa	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361 ALL	437449.5	3766815	7.14E-07	1.167YrCa	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362 ALL	437449.5	3766765	8.20E-07	1.167YrCa	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363 ALL	437449.5	3766715	8.88E-07	1.167YrCa	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364 ALL	437449.5	3766665	8.96E-07	1.167YrCa	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365 ALL	437449.5	3766615	8.36E-07	1.167YrCa	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366 ALL	437449.5	3766565	7.23E-07	1.167YrCa	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

367	ALL	437449.5	3766515	5.86E-07	1.167YrCa	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	437449.5	3766465	4.60E-07	1.167YrCa	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	437449.5	3766415	3.60E-07	1.167YrCa	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	437449.5	3766365	2.86E-07	1.167YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	437449.5	3766315	2.33E-07	1.167YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	437449.5	3766265	1.96E-07	1.167YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	437449.5	3766215	1.69E-07	1.167YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	437449.5	3766165	1.48E-07	1.167YrCa	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	437499.5	3766865	5.28E-07	1.167YrCa	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	437499.5	3766815	6.12E-07	1.167YrCa	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	437499.5	3766765	6.82E-07	1.167YrCa	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	437499.5	3766715	7.24E-07	1.167YrCa	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	437499.5	3766665	7.29E-07	1.167YrCa	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	437499.5	3766615	6.88E-07	1.167YrCa	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	437499.5	3766565	6.11E-07	1.167YrCa	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	437499.5	3766515	5.15E-07	1.167YrCa	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	437499.5	3766465	4.18E-07	1.167YrCa	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	437499.5	3766415	3.34E-07	1.167YrCa	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	437499.5	3766365	2.69E-07	1.167YrCa	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	437499.5	3766315	2.20E-07	1.167YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	437499.5	3766265	1.85E-07	1.167YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	437499.5	3766215	1.59E-07	1.167YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	437499.5	3766165	1.39E-07	1.167YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	437549.5	3766865	4.69E-07	1.167YrCa	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	437549.5	3766815	5.29E-07	1.167YrCa	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	437549.5	3766765	5.77E-07	1.167YrCa	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	437549.5	3766715	6.05E-07	1.167YrCa	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	437549.5	3766665	6.07E-07	1.167YrCa	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	437549.5	3766615	5.78E-07	1.167YrCa	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	437549.5	3766565	5.23E-07	1.167YrCa	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	437549.5	3766515	4.53E-07	1.167YrCa	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	437549.5	3766465	3.78E-07	1.167YrCa	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	437549.5	3766415	3.10E-07	1.167YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	437549.5	3766365	2.53E-07	1.167YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	437549.5	3766315	2.08E-07	1.167YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	437549.5	3766265	1.75E-07	1.167YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	437549.5	3766215	1.50E-07	1.167YrCa	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	437549.5	3766165	1.31E-07	1.167YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	437249.5	3766415	5.18E-07	1.167YrCa	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	437249.5	3766365	4.01E-07	1.167YrCa	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	437249.5	3766315	3.23E-07	1.167YrCa	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	437249.5	3766265	2.66E-07	1.167YrCa	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	437249.5	3766215	2.24E-07	1.167YrCa	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	437249.5	3766165	1.91E-07	1.167YrCa	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	437199.5	3766415	5.81E-07	1.167YrCa	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	437199.5	3766365	4.43E-07	1.167YrCa	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

413	ALL	437199.5	3766315	3.51E-07	1.167YrCa	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	437199.5	3766265	2.86E-07	1.167YrCa	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	437199.5	3766215	2.37E-07	1.167YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	437199.5	3766165	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	437149.5	3766415	6.45E-07	1.167YrCa	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	437149.5	3766365	4.81E-07	1.167YrCa	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	437149.5	3766315	3.75E-07	1.167YrCa	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	437149.5	3766265	3.01E-07	1.167YrCa	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	437149.5	3766215	2.48E-07	1.167YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	437149.5	3766165	2.08E-07	1.167YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	437099.5	3766415	6.97E-07	1.167YrCa	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	437099.5	3766365	5.10E-07	1.167YrCa	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	437099.5	3766315	3.91E-07	1.167YrCa	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	437099.5	3766265	3.11E-07	1.167YrCa	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	437099.5	3766215	2.54E-07	1.167YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	437099.5	3766165	2.12E-07	1.167YrCa	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	437049.5	3766415	7.23E-07	1.167YrCa	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	437049.5	3766365	5.23E-07	1.167YrCa	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	437049.5	3766315	3.98E-07	1.167YrCa	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	437049.5	3766265	3.14E-07	1.167YrCa	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	437049.5	3766215	2.56E-07	1.167YrCa	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	437049.5	3766165	2.13E-07	1.167YrCa	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	436999.5	3766415	7.25E-07	1.167YrCa	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	436999.5	3766365	5.21E-07	1.167YrCa	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	436999.5	3766315	3.96E-07	1.167YrCa	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	436999.5	3766265	3.12E-07	1.167YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	436999.5	3766215	2.54E-07	1.167YrCa	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	436999.5	3766165	2.11E-07	1.167YrCa	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	436949.5	3766415	6.95E-07	1.167YrCa	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	436949.5	3766365	5.06E-07	1.167YrCa	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	436949.5	3766315	3.87E-07	1.167YrCa	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	436949.5	3766265	3.06E-07	1.167YrCa	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	436949.5	3766215	2.50E-07	1.167YrCa	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	436949.5	3766165	2.08E-07	1.167YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	436899.5	3766415	6.29E-07	1.167YrCa	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	436899.5	3766365	4.75E-07	1.167YrCa	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	436899.5	3766315	3.71E-07	1.167YrCa	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	436899.5	3766265	2.97E-07	1.167YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	436899.5	3766215	2.44E-07	1.167YrCa	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	436899.5	3766165	2.05E-07	1.167YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	436849.5	3766415	5.57E-07	1.167YrCa	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	436849.5	3766365	4.39E-07	1.167YrCa	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	436849.5	3766315	3.52E-07	1.167YrCa	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	436849.5	3766265	2.88E-07	1.167YrCa	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	436849.5	3766215	2.38E-07	1.167YrCa	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	436849.5	3766165	2.01E-07	1.167YrCa	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

459	ALL	436799.5	3766415	4.86E-07	1.167YrCa	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	436799.5	3766365	4.01E-07	1.167YrCa	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	436799.5	3766315	3.31E-07	1.167YrCa	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	436799.5	3766265	2.76E-07	1.167YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	436799.5	3766215	2.31E-07	1.167YrCa	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	436799.5	3766165	1.96E-07	1.167YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	436749.5	3766415	4.18E-07	1.167YrCa	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	436749.5	3766365	3.58E-07	1.167YrCa	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	436749.5	3766315	3.05E-07	1.167YrCa	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	436749.5	3766265	2.59E-07	1.167YrCa	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	436749.5	3766215	2.21E-07	1.167YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	436749.5	3766165	1.90E-07	1.167YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	436699.5	3766415	3.53E-07	1.167YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	436699.5	3766365	3.12E-07	1.167YrCa	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	436699.5	3766315	2.73E-07	1.167YrCa	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	436699.5	3766265	2.39E-07	1.167YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	436699.5	3766215	2.08E-07	1.167YrCa	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	436699.5	3766165	1.81E-07	1.167YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	436649.5	3766415	2.99E-07	1.167YrCa	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	436649.5	3766365	2.71E-07	1.167YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	436649.5	3766315	2.42E-07	1.167YrCa	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	436649.5	3766265	2.17E-07	1.167YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	436649.5	3766215	1.93E-07	1.167YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	436649.5	3766165	1.71E-07	1.167YrCa	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	436599.5	3766415	2.55E-07	1.167YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	436599.5	3766365	2.35E-07	1.167YrCa	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	436599.5	3766315	2.15E-07	1.167YrCa	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	436599.5	3766265	1.96E-07	1.167YrCa	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	436599.5	3766215	1.77E-07	1.167YrCa	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	436599.5	3766165	1.60E-07	1.167YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	436549.5	3766415	2.20E-07	1.167YrCa	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	436549.5	3766365	2.05E-07	1.167YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	436549.5	3766315	1.90E-07	1.167YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	436549.5	3766265	1.75E-07	1.167YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	436549.5	3766215	1.61E-07	1.167YrCa	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	436549.5	3766165	1.47E-07	1.167YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	436799.5	3766465	5.88E-07	1.167YrCa	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	436799.5	3766515	6.99E-07	1.167YrCa	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	436799.5	3766565	8.03E-07	1.167YrCa	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	436799.5	3766615	8.70E-07	1.167YrCa	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	436799.5	3766665	8.69E-07	1.167YrCa	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	436799.5	3766715	7.97E-07	1.167YrCa	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	436799.5	3766765	6.80E-07	1.167YrCa	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	436799.5	3766815	5.62E-07	1.167YrCa	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	436799.5	3766865	4.60E-07	1.167YrCa	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	436799.5	3766915	3.79E-07	1.167YrCa	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

505	ALL	436799.5	3766965	3.15E-07	1.167YrCa	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	436799.5	3767015	2.65E-07	1.167YrCa	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	436799.5	3767065	2.16E-07	1.167YrCa	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	436799.5	3767115	1.69E-07	1.167YrCa	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	436799.5	3767165	1.39E-07	1.167YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	436749.5	3766465	4.82E-07	1.167YrCa	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	436749.5	3766515	5.46E-07	1.167YrCa	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	436749.5	3766565	5.99E-07	1.167YrCa	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	436749.5	3766615	6.29E-07	1.167YrCa	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	436749.5	3766665	6.25E-07	1.167YrCa	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	436749.5	3766715	5.87E-07	1.167YrCa	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	436749.5	3766765	5.24E-07	1.167YrCa	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	436749.5	3766815	4.52E-07	1.167YrCa	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	436749.5	3766865	3.85E-07	1.167YrCa	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	436749.5	3766915	3.27E-07	1.167YrCa	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	436749.5	3766965	2.78E-07	1.167YrCa	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	436749.5	3767015	2.39E-07	1.167YrCa	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	436749.5	3767065	1.98E-07	1.167YrCa	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	436749.5	3767115	1.57E-07	1.167YrCa	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	436749.5	3767165	1.32E-07	1.167YrCa	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	436699.5	3766465	3.96E-07	1.167YrCa	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	436699.5	3766515	4.35E-07	1.167YrCa	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	436699.5	3766565	4.65E-07	1.167YrCa	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	436699.5	3766615	4.81E-07	1.167YrCa	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	436699.5	3766665	4.76E-07	1.167YrCa	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	436699.5	3766715	4.54E-07	1.167YrCa	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	436699.5	3766765	4.16E-07	1.167YrCa	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	436699.5	3766815	3.70E-07	1.167YrCa	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	436699.5	3766865	3.24E-07	1.167YrCa	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	436699.5	3766915	2.82E-07	1.167YrCa	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	436699.5	3766965	2.45E-07	1.167YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	436699.5	3767015	2.14E-07	1.167YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	436699.5	3767065	1.81E-07	1.167YrCa	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	436699.5	3767115	1.44E-07	1.167YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	436699.5	3767165	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	436649.5	3766465	3.28E-07	1.167YrCa	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	436649.5	3766515	3.53E-07	1.167YrCa	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	436649.5	3766565	3.72E-07	1.167YrCa	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	436649.5	3766615	3.81E-07	1.167YrCa	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	436649.5	3766665	3.77E-07	1.167YrCa	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	436649.5	3766715	3.62E-07	1.167YrCa	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	436649.5	3766765	3.38E-07	1.167YrCa	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	436649.5	3766815	3.08E-07	1.167YrCa	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	436649.5	3766865	2.76E-07	1.167YrCa	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	436649.5	3766915	2.45E-07	1.167YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	436649.5	3766965	2.17E-07	1.167YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

551	ALL	436649.5	3767015	1.83E-07	1.167YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	436649.5	3767065	1.53E-07	1.167YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	436649.5	3767115	1.31E-07	1.167YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	436649.5	3767165	1.14E-07	1.167YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	436599.5	3766465	2.74E-07	1.167YrCa	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	436599.5	3766515	2.91E-07	1.167YrCa	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	436599.5	3766565	3.04E-07	1.167YrCa	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	436599.5	3766615	3.09E-07	1.167YrCa	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	436599.5	3766665	3.07E-07	1.167YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	436599.5	3766715	2.97E-07	1.167YrCa	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	436599.5	3766765	2.81E-07	1.167YrCa	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	436599.5	3766815	2.60E-07	1.167YrCa	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	436599.5	3766865	2.37E-07	1.167YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	436599.5	3766915	2.14E-07	1.167YrCa	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	436599.5	3766965	1.93E-07	1.167YrCa	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	436599.5	3767015	1.67E-07	1.167YrCa	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	436599.5	3767065	1.40E-07	1.167YrCa	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	436599.5	3767115	1.22E-07	1.167YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	436599.5	3767165	1.08E-07	1.167YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	436549.5	3766465	2.33E-07	1.167YrCa	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	436549.5	3766515	2.45E-07	1.167YrCa	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	436549.5	3766565	2.53E-07	1.167YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	436549.5	3766615	2.57E-07	1.167YrCa	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	436549.5	3766665	2.55E-07	1.167YrCa	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	436549.5	3766715	2.48E-07	1.167YrCa	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	436549.5	3766765	2.37E-07	1.167YrCa	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	436549.5	3766815	2.23E-07	1.167YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	436549.5	3766865	2.06E-07	1.167YrCa	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	436549.5	3766915	1.89E-07	1.167YrCa	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	436549.5	3766965	1.72E-07	1.167YrCa	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	436549.5	3767015	1.56E-07	1.167YrCa	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	436549.5	3767065	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	436549.5	3767115	1.29E-07	1.167YrCa	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	436549.5	3767165	1.10E-07	1.167YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	436549.5	3767265	8.54E-08	1.167YrCa	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	436549.5	3767365	6.87E-08	1.167YrCa	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	436549.5	3767465	5.71E-08	1.167YrCa	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	436549.5	3767565	4.76E-08	1.167YrCa	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	436549.5	3767665	4.02E-08	1.167YrCa	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	436649.5	3767265	9.13E-08	1.167YrCa	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	436649.5	3767365	7.23E-08	1.167YrCa	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	436649.5	3767465	5.90E-08	1.167YrCa	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	436649.5	3767565	4.87E-08	1.167YrCa	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	436649.5	3767665	4.13E-08	1.167YrCa	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	436749.5	3767265	9.96E-08	1.167YrCa	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	436749.5	3767365	7.76E-08	1.167YrCa	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

597	ALL	436749.5	3767465	6.24E-08	1.167YrCa	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	436749.5	3767565	5.12E-08	1.167YrCa	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	436749.5	3767665	4.25E-08	1.167YrCa	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	436849.5	3767265	1.07E-07	1.167YrCa	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	436849.5	3767365	8.37E-08	1.167YrCa	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	436849.5	3767465	6.65E-08	1.167YrCa	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	436849.5	3767565	5.34E-08	1.167YrCa	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	436849.5	3767665	4.44E-08	1.167YrCa	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	436949.5	3767265	1.16E-07	1.167YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	436949.5	3767365	8.91E-08	1.167YrCa	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	436949.5	3767465	6.98E-08	1.167YrCa	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	436949.5	3767565	5.45E-08	1.167YrCa	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	436949.5	3767665	4.51E-08	1.167YrCa	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	437049.5	3767265	1.20E-07	1.167YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	437049.5	3767365	9.14E-08	1.167YrCa	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	437049.5	3767465	7.07E-08	1.167YrCa	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	437049.5	3767565	5.52E-08	1.167YrCa	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	437049.5	3767665	4.52E-08	1.167YrCa	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	437149.5	3767265	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	437149.5	3767365	8.95E-08	1.167YrCa	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	437149.5	3767465	6.99E-08	1.167YrCa	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	437149.5	3767565	5.63E-08	1.167YrCa	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	437149.5	3767665	4.62E-08	1.167YrCa	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	437249.5	3767265	1.19E-07	1.167YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	437249.5	3767365	8.89E-08	1.167YrCa	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	437249.5	3767465	6.94E-08	1.167YrCa	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	437249.5	3767565	5.60E-08	1.167YrCa	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	437249.5	3767665	4.68E-08	1.167YrCa	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	437349.5	3767265	1.20E-07	1.167YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	437349.5	3767365	9.06E-08	1.167YrCa	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	437349.5	3767465	7.09E-08	1.167YrCa	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	437349.5	3767565	5.68E-08	1.167YrCa	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	437349.5	3767665	4.66E-08	1.167YrCa	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	437449.5	3767265	1.20E-07	1.167YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	437449.5	3767365	8.99E-08	1.167YrCa	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	437449.5	3767465	7.06E-08	1.167YrCa	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	437449.5	3767565	5.62E-08	1.167YrCa	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	437449.5	3767665	4.62E-08	1.167YrCa	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	437549.5	3767265	1.20E-07	1.167YrCa	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	437549.5	3767365	9.02E-08	1.167YrCa	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	437549.5	3767465	7.04E-08	1.167YrCa	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	437549.5	3767565	5.64E-08	1.167YrCa	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	437549.5	3767665	4.63E-08	1.167YrCa	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	437649.5	3767265	1.19E-07	1.167YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	437649.5	3767365	9.08E-08	1.167YrCa	9.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	437649.5	3767465	7.13E-08	1.167YrCa	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

643 ALL	437649.5	3767565	5.73E-08	1.167YrCa	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644 ALL	437649.5	3767665	4.70E-08	1.167YrCa	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645 ALL	437749.5	3767265	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646 ALL	437749.5	3767365	9.05E-08	1.167YrCa	9.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647 ALL	437749.5	3767465	7.13E-08	1.167YrCa	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648 ALL	437749.5	3767565	5.77E-08	1.167YrCa	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649 ALL	437749.5	3767665	4.74E-08	1.167YrCa	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650 ALL	437849.5	3767265	1.14E-07	1.167YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651 ALL	437849.5	3767365	8.99E-08	1.167YrCa	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652 ALL	437849.5	3767465	7.18E-08	1.167YrCa	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653 ALL	437849.5	3767565	5.81E-08	1.167YrCa	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654 ALL	437849.5	3767665	4.82E-08	1.167YrCa	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655 ALL	437949.5	3767265	1.11E-07	1.167YrCa	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656 ALL	437949.5	3767365	8.85E-08	1.167YrCa	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657 ALL	437949.5	3767465	7.14E-08	1.167YrCa	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658 ALL	437949.5	3767565	5.85E-08	1.167YrCa	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659 ALL	437949.5	3767665	4.86E-08	1.167YrCa	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660 ALL	438049.5	3767265	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661 ALL	438049.5	3767365	8.61E-08	1.167YrCa	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662 ALL	438049.5	3767465	7.09E-08	1.167YrCa	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663 ALL	438049.5	3767565	5.87E-08	1.167YrCa	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664 ALL	438049.5	3767665	4.90E-08	1.167YrCa	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665 ALL	437649.5	3767165	1.60E-07	1.167YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666 ALL	437649.5	3767065	2.23E-07	1.167YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667 ALL	437649.5	3766965	3.00E-07	1.167YrCa	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668 ALL	437649.5	3766865	3.76E-07	1.167YrCa	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669 ALL	437649.5	3766765	4.29E-07	1.167YrCa	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670 ALL	437649.5	3766665	4.43E-07	1.167YrCa	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671 ALL	437649.5	3766565	3.97E-07	1.167YrCa	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672 ALL	437649.5	3766465	3.10E-07	1.167YrCa	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673 ALL	437649.5	3766365	2.23E-07	1.167YrCa	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674 ALL	437649.5	3766265	1.59E-07	1.167YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675 ALL	437649.5	3766165	1.19E-07	1.167YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676 ALL	437649.5	3766065	9.45E-08	1.167YrCa	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677 ALL	437649.5	3765965	7.89E-08	1.167YrCa	7.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678 ALL	437649.5	3765865	6.75E-08	1.167YrCa	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679 ALL	437649.5	3765765	5.86E-08	1.167YrCa	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680 ALL	437649.5	3765665	5.13E-08	1.167YrCa	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681 ALL	437749.5	3767165	1.55E-07	1.167YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682 ALL	437749.5	3767065	2.03E-07	1.167YrCa	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683 ALL	437749.5	3766965	2.58E-07	1.167YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684 ALL	437749.5	3766865	3.07E-07	1.167YrCa	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685 ALL	437749.5	3766765	3.32E-07	1.167YrCa	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686 ALL	437749.5	3766665	3.40E-07	1.167YrCa	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687 ALL	437749.5	3766565	3.13E-07	1.167YrCa	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688 ALL	437749.5	3766465	2.58E-07	1.167YrCa	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

689	ALL	437749.5	3766365	1.97E-07	1.167YrCa	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	437749.5	3766265	1.46E-07	1.167YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	437749.5	3766165	1.10E-07	1.167YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	437749.5	3766065	8.69E-08	1.167YrCa	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	437749.5	3765965	7.21E-08	1.167YrCa	7.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	437749.5	3765865	6.19E-08	1.167YrCa	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	437749.5	3765765	5.41E-08	1.167YrCa	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	437749.5	3765665	4.78E-08	1.167YrCa	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	437849.5	3767165	1.46E-07	1.167YrCa	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	437849.5	3767065	1.84E-07	1.167YrCa	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	437849.5	3766965	2.21E-07	1.167YrCa	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	437849.5	3766865	2.51E-07	1.167YrCa	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	437849.5	3766765	2.66E-07	1.167YrCa	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	437849.5	3766665	2.71E-07	1.167YrCa	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	437849.5	3766565	2.53E-07	1.167YrCa	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	437849.5	3766465	2.17E-07	1.167YrCa	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	437849.5	3766365	1.74E-07	1.167YrCa	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	437849.5	3766265	1.34E-07	1.167YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	437849.5	3766165	1.03E-07	1.167YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	437849.5	3766065	8.13E-08	1.167YrCa	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	437849.5	3765965	6.68E-08	1.167YrCa	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	437849.5	3765865	5.70E-08	1.167YrCa	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	437849.5	3765765	5.00E-08	1.167YrCa	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	437849.5	3765665	4.44E-08	1.167YrCa	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	437949.5	3767165	1.37E-07	1.167YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	437949.5	3767065	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	437949.5	3766965	1.90E-07	1.167YrCa	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	437949.5	3766865	2.05E-07	1.167YrCa	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	437949.5	3766765	2.19E-07	1.167YrCa	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	437949.5	3766665	2.22E-07	1.167YrCa	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	437949.5	3766565	2.10E-07	1.167YrCa	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	437949.5	3766465	1.85E-07	1.167YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	437949.5	3766365	1.54E-07	1.167YrCa	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	437949.5	3766265	1.23E-07	1.167YrCa	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	437949.5	3766165	9.71E-08	1.167YrCa	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	437949.5	3766065	7.70E-08	1.167YrCa	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	437949.5	3765965	6.29E-08	1.167YrCa	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	437949.5	3765865	5.32E-08	1.167YrCa	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	437949.5	3765765	4.65E-08	1.167YrCa	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	437949.5	3765665	4.14E-08	1.167YrCa	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	438049.5	3767165	1.26E-07	1.167YrCa	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	438049.5	3767065	1.47E-07	1.167YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	438049.5	3766965	1.65E-07	1.167YrCa	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	438049.5	3766865	1.75E-07	1.167YrCa	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	438049.5	3766765	1.83E-07	1.167YrCa	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	438049.5	3766665	1.85E-07	1.167YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

735 ALL	438049.5	3766565	1.77E-07	1.167YrCa	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736 ALL	438049.5	3766465	1.60E-07	1.167YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737 ALL	438049.5	3766365	1.37E-07	1.167YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738 ALL	438049.5	3766265	1.13E-07	1.167YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739 ALL	438049.5	3766165	9.10E-08	1.167YrCa	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740 ALL	438049.5	3766065	7.32E-08	1.167YrCa	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741 ALL	438049.5	3765965	5.99E-08	1.167YrCa	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742 ALL	438049.5	3765865	5.03E-08	1.167YrCa	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743 ALL	438049.5	3765765	4.37E-08	1.167YrCa	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744 ALL	438049.5	3765665	3.89E-08	1.167YrCa	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745 ALL	437549.5	3766065	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746 ALL	437549.5	3765965	8.70E-08	1.167YrCa	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747 ALL	437549.5	3765865	7.37E-08	1.167YrCa	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748 ALL	437549.5	3765765	6.32E-08	1.167YrCa	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749 ALL	437549.5	3765665	5.47E-08	1.167YrCa	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750 ALL	437449.5	3766065	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751 ALL	437449.5	3765965	9.61E-08	1.167YrCa	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752 ALL	437449.5	3765865	8.01E-08	1.167YrCa	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753 ALL	437449.5	3765765	6.77E-08	1.167YrCa	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754 ALL	437449.5	3765665	5.79E-08	1.167YrCa	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755 ALL	437349.5	3766065	1.31E-07	1.167YrCa	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756 ALL	437349.5	3765965	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757 ALL	437349.5	3765865	8.63E-08	1.167YrCa	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758 ALL	437349.5	3765765	7.19E-08	1.167YrCa	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759 ALL	437349.5	3765665	6.08E-08	1.167YrCa	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760 ALL	437249.5	3766065	1.44E-07	1.167YrCa	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761 ALL	437249.5	3765965	1.13E-07	1.167YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762 ALL	437249.5	3765865	9.11E-08	1.167YrCa	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763 ALL	437249.5	3765765	7.50E-08	1.167YrCa	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764 ALL	437249.5	3765665	6.29E-08	1.167YrCa	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765 ALL	437149.5	3766065	1.53E-07	1.167YrCa	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766 ALL	437149.5	3765965	1.18E-07	1.167YrCa	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767 ALL	437149.5	3765865	9.39E-08	1.167YrCa	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768 ALL	437149.5	3765765	7.67E-08	1.167YrCa	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769 ALL	437149.5	3765665	6.41E-08	1.167YrCa	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770 ALL	437049.5	3766065	1.55E-07	1.167YrCa	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771 ALL	437049.5	3765965	1.19E-07	1.167YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772 ALL	437049.5	3765865	9.46E-08	1.167YrCa	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773 ALL	437049.5	3765765	7.71E-08	1.167YrCa	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774 ALL	437049.5	3765665	6.43E-08	1.167YrCa	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775 ALL	436949.5	3766065	1.52E-07	1.167YrCa	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776 ALL	436949.5	3765965	1.16E-07	1.167YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777 ALL	436949.5	3765865	9.32E-08	1.167YrCa	9.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778 ALL	436949.5	3765765	7.61E-08	1.167YrCa	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779 ALL	436949.5	3765665	6.35E-08	1.167YrCa	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780 ALL	436849.5	3766065	1.47E-07	1.167YrCa	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

781 ALL	436849.5	3765965	1.13E-07	1.167YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782 ALL	436849.5	3765865	9.10E-08	1.167YrCa	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783 ALL	436849.5	3765765	7.43E-08	1.167YrCa	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784 ALL	436849.5	3765665	6.20E-08	1.167YrCa	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785 ALL	436749.5	3766065	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786 ALL	436749.5	3765965	1.10E-07	1.167YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787 ALL	436749.5	3765865	8.87E-08	1.167YrCa	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788 ALL	436749.5	3765765	7.22E-08	1.167YrCa	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789 ALL	436749.5	3765665	6.04E-08	1.167YrCa	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790 ALL	436649.5	3766065	1.34E-07	1.167YrCa	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791 ALL	436649.5	3765965	1.06E-07	1.167YrCa	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792 ALL	436649.5	3765865	8.63E-08	1.167YrCa	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793 ALL	436649.5	3765765	7.02E-08	1.167YrCa	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794 ALL	436649.5	3765665	5.90E-08	1.167YrCa	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795 ALL	436549.5	3766065	1.22E-07	1.167YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796 ALL	436549.5	3765965	1.00E-07	1.167YrCa	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797 ALL	436549.5	3765865	8.31E-08	1.167YrCa	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798 ALL	436549.5	3765765	6.80E-08	1.167YrCa	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799 ALL	436549.5	3765665	5.77E-08	1.167YrCa	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800 ALL	436449.5	3766065	1.08E-07	1.167YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801 ALL	436449.5	3765965	9.21E-08	1.167YrCa	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802 ALL	436449.5	3765865	7.86E-08	1.167YrCa	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803 ALL	436449.5	3765765	6.59E-08	1.167YrCa	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804 ALL	436449.5	3765665	5.65E-08	1.167YrCa	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805 ALL	436349.5	3766065	9.38E-08	1.167YrCa	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806 ALL	436349.5	3765965	8.29E-08	1.167YrCa	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807 ALL	436349.5	3765865	7.28E-08	1.167YrCa	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808 ALL	436349.5	3765765	6.31E-08	1.167YrCa	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809 ALL	436349.5	3765665	5.49E-08	1.167YrCa	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810 ALL	436249.5	3766065	8.14E-08	1.167YrCa	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811 ALL	436249.5	3765965	7.36E-08	1.167YrCa	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812 ALL	436249.5	3765865	6.61E-08	1.167YrCa	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813 ALL	436249.5	3765765	5.82E-08	1.167YrCa	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814 ALL	436249.5	3765665	5.16E-08	1.167YrCa	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815 ALL	436149.5	3766065	7.09E-08	1.167YrCa	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816 ALL	436149.5	3765965	6.50E-08	1.167YrCa	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817 ALL	436149.5	3765865	5.94E-08	1.167YrCa	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818 ALL	436149.5	3765765	5.31E-08	1.167YrCa	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819 ALL	436149.5	3765665	4.81E-08	1.167YrCa	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820 ALL	436049.5	3766065	6.22E-08	1.167YrCa	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821 ALL	436049.5	3765965	5.79E-08	1.167YrCa	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822 ALL	436049.5	3765865	5.35E-08	1.167YrCa	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823 ALL	436049.5	3765765	4.87E-08	1.167YrCa	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824 ALL	436049.5	3765665	4.48E-08	1.167YrCa	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825 ALL	436449.5	3766165	1.25E-07	1.167YrCa	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826 ALL	436449.5	3766265	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

827	ALL	436449.5	3766365	1.60E-07	1.167YrCa	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	436449.5	3766465	1.76E-07	1.167YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	436449.5	3766565	1.86E-07	1.167YrCa	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	436449.5	3766665	1.85E-07	1.167YrCa	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	436449.5	3766765	1.76E-07	1.167YrCa	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	436449.5	3766865	1.59E-07	1.167YrCa	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	436449.5	3766965	1.39E-07	1.167YrCa	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	436449.5	3767065	1.19E-07	1.167YrCa	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	436449.5	3767165	9.72E-08	1.167YrCa	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	436449.5	3767265	7.66E-08	1.167YrCa	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	436449.5	3767365	6.38E-08	1.167YrCa	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	436449.5	3767465	5.30E-08	1.167YrCa	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	436449.5	3767565	4.54E-08	1.167YrCa	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	436449.5	3767665	3.83E-08	1.167YrCa	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	436349.5	3766165	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	436349.5	3766265	1.17E-07	1.167YrCa	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	436349.5	3766365	1.28E-07	1.167YrCa	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	436349.5	3766465	1.37E-07	1.167YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	436349.5	3766565	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	436349.5	3766665	1.42E-07	1.167YrCa	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	436349.5	3766765	1.37E-07	1.167YrCa	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	436349.5	3766865	1.27E-07	1.167YrCa	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	436349.5	3766965	1.14E-07	1.167YrCa	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	436349.5	3767065	1.00E-07	1.167YrCa	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	436349.5	3767165	8.72E-08	1.167YrCa	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	436349.5	3767265	6.85E-08	1.167YrCa	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	436349.5	3767365	5.77E-08	1.167YrCa	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	436349.5	3767465	4.94E-08	1.167YrCa	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	436349.5	3767565	4.25E-08	1.167YrCa	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	436349.5	3767665	3.67E-08	1.167YrCa	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	436249.5	3766165	8.93E-08	1.167YrCa	8.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	436249.5	3766265	9.75E-08	1.167YrCa	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	436249.5	3766365	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	436249.5	3766465	1.10E-07	1.167YrCa	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	436249.5	3766565	1.13E-07	1.167YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	436249.5	3766665	1.13E-07	1.167YrCa	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	436249.5	3766765	1.09E-07	1.167YrCa	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	436249.5	3766865	1.03E-07	1.167YrCa	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	436249.5	3766965	9.49E-08	1.167YrCa	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	436249.5	3767065	8.55E-08	1.167YrCa	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	436249.5	3767165	7.61E-08	1.167YrCa	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	436249.5	3767265	6.25E-08	1.167YrCa	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	436249.5	3767365	5.23E-08	1.167YrCa	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	436249.5	3767465	4.61E-08	1.167YrCa	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	436249.5	3767565	4.01E-08	1.167YrCa	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	436249.5	3767665	3.50E-08	1.167YrCa	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

873	ALL	436149.5	3766165	7.67E-08	1.167YrCa	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	436149.5	3766265	8.23E-08	1.167YrCa	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	436149.5	3766365	8.76E-08	1.167YrCa	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	436149.5	3766465	9.11E-08	1.167YrCa	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	436149.5	3766565	9.30E-08	1.167YrCa	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	436149.5	3766665	9.26E-08	1.167YrCa	9.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	436149.5	3766765	9.01E-08	1.167YrCa	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	436149.5	3766865	8.60E-08	1.167YrCa	8.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	436149.5	3766965	8.03E-08	1.167YrCa	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	436149.5	3767065	7.36E-08	1.167YrCa	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	436149.5	3767165	6.67E-08	1.167YrCa	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	436149.5	3767265	5.64E-08	1.167YrCa	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	436149.5	3767365	4.75E-08	1.167YrCa	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	436149.5	3767465	4.20E-08	1.167YrCa	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	436149.5	3767565	3.71E-08	1.167YrCa	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	436149.5	3767665	3.24E-08	1.167YrCa	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	436049.5	3766165	6.66E-08	1.167YrCa	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	436049.5	3766265	7.06E-08	1.167YrCa	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	436049.5	3766365	7.42E-08	1.167YrCa	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	436049.5	3766465	7.66E-08	1.167YrCa	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	436049.5	3766565	7.78E-08	1.167YrCa	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	436049.5	3766665	7.73E-08	1.167YrCa	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	436049.5	3766765	7.57E-08	1.167YrCa	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	436049.5	3766865	7.28E-08	1.167YrCa	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	436049.5	3766965	6.89E-08	1.167YrCa	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	436049.5	3767065	6.40E-08	1.167YrCa	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	436049.5	3767165	5.88E-08	1.167YrCa	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	436049.5	3767265	5.07E-08	1.167YrCa	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	436049.5	3767365	4.24E-08	1.167YrCa	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	436049.5	3767465	3.77E-08	1.167YrCa	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	436049.5	3767565	3.35E-08	1.167YrCa	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	436049.5	3767665	3.02E-08	1.167YrCa	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	436049.5	3767865	2.42E-08	1.167YrCa	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	436049.5	3768065	1.98E-08	1.167YrCa	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	436049.5	3768265	1.62E-08	1.167YrCa	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	436049.5	3768465	1.34E-08	1.167YrCa	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	436049.5	3768665	1.13E-08	1.167YrCa	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	436249.5	3767865	2.65E-08	1.167YrCa	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	436249.5	3768065	2.10E-08	1.167YrCa	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	436249.5	3768265	1.70E-08	1.167YrCa	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	436249.5	3768465	1.40E-08	1.167YrCa	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	436249.5	3768665	1.16E-08	1.167YrCa	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	436449.5	3767865	2.87E-08	1.167YrCa	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	436449.5	3768065	2.22E-08	1.167YrCa	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	436449.5	3768265	1.77E-08	1.167YrCa	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	436449.5	3768465	1.44E-08	1.167YrCa	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

919	ALL	436449.5	3768665	1.19E-08	1.167YrCa	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	436649.5	3767865	3.02E-08	1.167YrCa	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	436649.5	3768065	2.30E-08	1.167YrCa	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	436649.5	3768265	1.79E-08	1.167YrCa	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	436649.5	3768465	1.49E-08	1.167YrCa	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	436649.5	3768665	1.22E-08	1.167YrCa	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	436849.5	3767865	3.17E-08	1.167YrCa	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	436849.5	3768065	2.37E-08	1.167YrCa	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	436849.5	3768265	1.86E-08	1.167YrCa	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	436849.5	3768465	1.51E-08	1.167YrCa	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	436849.5	3768665	1.24E-08	1.167YrCa	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	437049.5	3767865	3.27E-08	1.167YrCa	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	437049.5	3768065	2.43E-08	1.167YrCa	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	437049.5	3768265	1.90E-08	1.167YrCa	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	437049.5	3768465	1.52E-08	1.167YrCa	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	437049.5	3768665	1.24E-08	1.167YrCa	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	437249.5	3767865	3.35E-08	1.167YrCa	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	437249.5	3768065	2.51E-08	1.167YrCa	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	437249.5	3768265	1.96E-08	1.167YrCa	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	437249.5	3768465	1.57E-08	1.167YrCa	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	437249.5	3768665	1.28E-08	1.167YrCa	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	437449.5	3767865	3.36E-08	1.167YrCa	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	437449.5	3768065	2.54E-08	1.167YrCa	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	437449.5	3768265	2.00E-08	1.167YrCa	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	437449.5	3768465	1.60E-08	1.167YrCa	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	437449.5	3768665	1.32E-08	1.167YrCa	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	437649.5	3767865	3.32E-08	1.167YrCa	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	437649.5	3768065	2.49E-08	1.167YrCa	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	437649.5	3768265	1.96E-08	1.167YrCa	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	437649.5	3768465	1.61E-08	1.167YrCa	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	437649.5	3768665	1.34E-08	1.167YrCa	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	437849.5	3767865	3.41E-08	1.167YrCa	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	437849.5	3768065	2.52E-08	1.167YrCa	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	437849.5	3768265	1.95E-08	1.167YrCa	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	437849.5	3768465	1.57E-08	1.167YrCa	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	437849.5	3768665	1.30E-08	1.167YrCa	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	438049.5	3767865	3.51E-08	1.167YrCa	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	438049.5	3768065	2.61E-08	1.167YrCa	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	438049.5	3768265	2.01E-08	1.167YrCa	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	438049.5	3768465	1.59E-08	1.167YrCa	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	438049.5	3768665	1.29E-08	1.167YrCa	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	438249.5	3767865	3.55E-08	1.167YrCa	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	438249.5	3768065	2.71E-08	1.167YrCa	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	438249.5	3768265	2.06E-08	1.167YrCa	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	438249.5	3768465	1.63E-08	1.167YrCa	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	438249.5	3768665	1.32E-08	1.167YrCa	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

965	ALL	438449.5	3767865	3.52E-08	1.167YrCa	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	438449.5	3768065	2.70E-08	1.167YrCa	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	438449.5	3768265	2.12E-08	1.167YrCa	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	438449.5	3768465	1.67E-08	1.167YrCa	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	438449.5	3768665	1.35E-08	1.167YrCa	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	438649.5	3767865	3.44E-08	1.167YrCa	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	438649.5	3768065	2.69E-08	1.167YrCa	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	438649.5	3768265	2.13E-08	1.167YrCa	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	438649.5	3768465	1.71E-08	1.167YrCa	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	438649.5	3768665	1.38E-08	1.167YrCa	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	438849.5	3767865	3.32E-08	1.167YrCa	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	438849.5	3768065	2.65E-08	1.167YrCa	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	438849.5	3768265	2.13E-08	1.167YrCa	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	438849.5	3768465	1.73E-08	1.167YrCa	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	438849.5	3768665	1.42E-08	1.167YrCa	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	439049.5	3767865	3.19E-08	1.167YrCa	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	439049.5	3768065	2.58E-08	1.167YrCa	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	439049.5	3768265	2.10E-08	1.167YrCa	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	439049.5	3768465	1.72E-08	1.167YrCa	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	439049.5	3768665	1.44E-08	1.167YrCa	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	438249.5	3767665	4.80E-08	1.167YrCa	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	438249.5	3767465	6.74E-08	1.167YrCa	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	438249.5	3767265	9.22E-08	1.167YrCa	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	438249.5	3767065	1.16E-07	1.167YrCa	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	438249.5	3766865	1.36E-07	1.167YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	438249.5	3766665	1.36E-07	1.167YrCa	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	438249.5	3766465	1.22E-07	1.167YrCa	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	438249.5	3766265	9.42E-08	1.167YrCa	9.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	438249.5	3766065	6.63E-08	1.167YrCa	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	438249.5	3765865	4.63E-08	1.167YrCa	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	438249.5	3765665	3.51E-08	1.167YrCa	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	438249.5	3765465	2.83E-08	1.167YrCa	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	438249.5	3765265	2.41E-08	1.167YrCa	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	438249.5	3765065	2.08E-08	1.167YrCa	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	438249.5	3764865	1.82E-08	1.167YrCa	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	438249.5	3764665	1.60E-08	1.167YrCa	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	438449.5	3767665	4.68E-08	1.167YrCa	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	438449.5	3767465	6.23E-08	1.167YrCa	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	438449.5	3767265	7.90E-08	1.167YrCa	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	438449.5	3767065	9.45E-08	1.167YrCa	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	438449.5	3766865	1.05E-07	1.167YrCa	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	438449.5	3766665	1.08E-07	1.167YrCa	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	438449.5	3766465	9.68E-08	1.167YrCa	9.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	438449.5	3766265	7.90E-08	1.167YrCa	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	438449.5	3766065	5.96E-08	1.167YrCa	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	438449.5	3765865	4.34E-08	1.167YrCa	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011 ALL	438449.5	3765665	3.26E-08	1.167YrCa	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012 ALL	438449.5	3765465	2.59E-08	1.167YrCa	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013 ALL	438449.5	3765265	2.19E-08	1.167YrCa	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014 ALL	438449.5	3765065	1.91E-08	1.167YrCa	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015 ALL	438449.5	3764865	1.68E-08	1.167YrCa	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016 ALL	438449.5	3764665	1.49E-08	1.167YrCa	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017 ALL	438649.5	3767665	4.47E-08	1.167YrCa	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018 ALL	438649.5	3767465	5.65E-08	1.167YrCa	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019 ALL	438649.5	3767265	6.78E-08	1.167YrCa	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020 ALL	438649.5	3767065	7.82E-08	1.167YrCa	7.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021 ALL	438649.5	3766865	8.26E-08	1.167YrCa	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022 ALL	438649.5	3766665	8.42E-08	1.167YrCa	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023 ALL	438649.5	3766465	7.88E-08	1.167YrCa	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024 ALL	438649.5	3766265	6.72E-08	1.167YrCa	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025 ALL	438649.5	3766065	5.34E-08	1.167YrCa	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026 ALL	438649.5	3765865	4.06E-08	1.167YrCa	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027 ALL	438649.5	3765665	3.09E-08	1.167YrCa	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028 ALL	438649.5	3765465	2.42E-08	1.167YrCa	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029 ALL	438649.5	3765265	2.02E-08	1.167YrCa	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030 ALL	438649.5	3765065	1.75E-08	1.167YrCa	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031 ALL	438649.5	3764865	1.55E-08	1.167YrCa	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032 ALL	438649.5	3764665	1.39E-08	1.167YrCa	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033 ALL	438849.5	3767665	4.15E-08	1.167YrCa	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034 ALL	438849.5	3767465	5.03E-08	1.167YrCa	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035 ALL	438849.5	3767265	5.82E-08	1.167YrCa	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036 ALL	438849.5	3767065	6.58E-08	1.167YrCa	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037 ALL	438849.5	3766865	7.14E-08	1.167YrCa	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038 ALL	438849.5	3766665	6.92E-08	1.167YrCa	6.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039 ALL	438849.5	3766465	6.56E-08	1.167YrCa	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040 ALL	438849.5	3766265	5.76E-08	1.167YrCa	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041 ALL	438849.5	3766065	4.76E-08	1.167YrCa	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042 ALL	438849.5	3765865	3.77E-08	1.167YrCa	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043 ALL	438849.5	3765665	2.93E-08	1.167YrCa	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044 ALL	438849.5	3765465	2.30E-08	1.167YrCa	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045 ALL	438849.5	3765265	1.89E-08	1.167YrCa	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046 ALL	438849.5	3765065	1.62E-08	1.167YrCa	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047 ALL	438849.5	3764865	1.43E-08	1.167YrCa	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048 ALL	438849.5	3764665	1.29E-08	1.167YrCa	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049 ALL	439049.5	3767665	3.85E-08	1.167YrCa	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050 ALL	439049.5	3767465	4.47E-08	1.167YrCa	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051 ALL	439049.5	3767265	5.07E-08	1.167YrCa	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052 ALL	439049.5	3767065	5.64E-08	1.167YrCa	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053 ALL	439049.5	3766865	6.09E-08	1.167YrCa	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054 ALL	439049.5	3766665	5.81E-08	1.167YrCa	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055 ALL	439049.5	3766465	5.56E-08	1.167YrCa	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056 ALL	439049.5	3766265	4.98E-08	1.167YrCa	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1057	ALL	439049.5	3766065	4.24E-08	1.167YrCa	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	439049.5	3765865	3.48E-08	1.167YrCa	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	439049.5	3765665	2.79E-08	1.167YrCa	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	439049.5	3765465	2.21E-08	1.167YrCa	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	439049.5	3765265	1.80E-08	1.167YrCa	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	439049.5	3765065	1.53E-08	1.167YrCa	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	439049.5	3764865	1.34E-08	1.167YrCa	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	439049.5	3764665	1.20E-08	1.167YrCa	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	438049.5	3765465	3.18E-08	1.167YrCa	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	438049.5	3765265	2.68E-08	1.167YrCa	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	438049.5	3765065	2.28E-08	1.167YrCa	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	438049.5	3764865	1.96E-08	1.167YrCa	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	438049.5	3764665	1.71E-08	1.167YrCa	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	437849.5	3765465	3.59E-08	1.167YrCa	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	437849.5	3765265	2.95E-08	1.167YrCa	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	437849.5	3765065	2.48E-08	1.167YrCa	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	437849.5	3764865	2.11E-08	1.167YrCa	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	437849.5	3764665	1.81E-08	1.167YrCa	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	437649.5	3765465	4.02E-08	1.167YrCa	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	437649.5	3765265	3.23E-08	1.167YrCa	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	437649.5	3765065	2.66E-08	1.167YrCa	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	437649.5	3764865	2.23E-08	1.167YrCa	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	437649.5	3764665	1.90E-08	1.167YrCa	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	437449.5	3765465	4.40E-08	1.167YrCa	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	437449.5	3765265	3.46E-08	1.167YrCa	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	437449.5	3765065	2.80E-08	1.167YrCa	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	437449.5	3764865	2.32E-08	1.167YrCa	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	437449.5	3764665	1.96E-08	1.167YrCa	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	437249.5	3765465	4.68E-08	1.167YrCa	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	437249.5	3765265	3.62E-08	1.167YrCa	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	437249.5	3765065	2.90E-08	1.167YrCa	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	437249.5	3764865	2.38E-08	1.167YrCa	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	437249.5	3764665	2.00E-08	1.167YrCa	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	437049.5	3765465	4.75E-08	1.167YrCa	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	437049.5	3765265	3.65E-08	1.167YrCa	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	437049.5	3765065	2.92E-08	1.167YrCa	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	437049.5	3764865	2.40E-08	1.167YrCa	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	437049.5	3764665	2.01E-08	1.167YrCa	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	436849.5	3765465	4.60E-08	1.167YrCa	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	436849.5	3765265	3.58E-08	1.167YrCa	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	436849.5	3765065	2.87E-08	1.167YrCa	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	436849.5	3764865	2.36E-08	1.167YrCa	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	436849.5	3764665	1.98E-08	1.167YrCa	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	436649.5	3765465	4.42E-08	1.167YrCa	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	436649.5	3765265	3.43E-08	1.167YrCa	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	436649.5	3765065	2.77E-08	1.167YrCa	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1103 ALL	436649.5	3764865	2.29E-08	1.167YrCa	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104 ALL	436649.5	3764665	1.93E-08	1.167YrCa	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105 ALL	436449.5	3765465	4.29E-08	1.167YrCa	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106 ALL	436449.5	3765265	3.33E-08	1.167YrCa	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107 ALL	436449.5	3765065	2.67E-08	1.167YrCa	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108 ALL	436449.5	3764865	2.21E-08	1.167YrCa	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109 ALL	436449.5	3764665	1.87E-08	1.167YrCa	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110 ALL	436249.5	3765465	4.11E-08	1.167YrCa	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111 ALL	436249.5	3765265	3.26E-08	1.167YrCa	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112 ALL	436249.5	3765065	2.63E-08	1.167YrCa	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113 ALL	436249.5	3764865	2.16E-08	1.167YrCa	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114 ALL	436249.5	3764665	1.82E-08	1.167YrCa	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115 ALL	436049.5	3765465	3.77E-08	1.167YrCa	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116 ALL	436049.5	3765265	3.12E-08	1.167YrCa	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117 ALL	436049.5	3765065	2.57E-08	1.167YrCa	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118 ALL	436049.5	3764865	2.14E-08	1.167YrCa	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119 ALL	436049.5	3764665	1.80E-08	1.167YrCa	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120 ALL	435849.5	3765465	3.32E-08	1.167YrCa	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121 ALL	435849.5	3765265	2.87E-08	1.167YrCa	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122 ALL	435849.5	3765065	2.45E-08	1.167YrCa	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123 ALL	435849.5	3764865	2.08E-08	1.167YrCa	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124 ALL	435849.5	3764665	1.78E-08	1.167YrCa	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125 ALL	435649.5	3765465	2.89E-08	1.167YrCa	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126 ALL	435649.5	3765265	2.57E-08	1.167YrCa	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127 ALL	435649.5	3765065	2.26E-08	1.167YrCa	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128 ALL	435649.5	3764865	1.98E-08	1.167YrCa	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129 ALL	435649.5	3764665	1.73E-08	1.167YrCa	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130 ALL	435449.5	3765465	2.51E-08	1.167YrCa	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131 ALL	435449.5	3765265	2.27E-08	1.167YrCa	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132 ALL	435449.5	3765065	2.06E-08	1.167YrCa	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133 ALL	435449.5	3764865	1.84E-08	1.167YrCa	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134 ALL	435449.5	3764665	1.64E-08	1.167YrCa	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135 ALL	435249.5	3765465	2.19E-08	1.167YrCa	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136 ALL	435249.5	3765265	2.02E-08	1.167YrCa	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137 ALL	435249.5	3765065	1.85E-08	1.167YrCa	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138 ALL	435249.5	3764865	1.68E-08	1.167YrCa	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139 ALL	435249.5	3764665	1.53E-08	1.167YrCa	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140 ALL	435049.5	3765465	1.93E-08	1.167YrCa	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141 ALL	435049.5	3765265	1.79E-08	1.167YrCa	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142 ALL	435049.5	3765065	1.66E-08	1.167YrCa	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143 ALL	435049.5	3764865	1.54E-08	1.167YrCa	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144 ALL	435049.5	3764665	1.41E-08	1.167YrCa	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145 ALL	435849.5	3765665	3.81E-08	1.167YrCa	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146 ALL	435849.5	3765865	4.35E-08	1.167YrCa	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147 ALL	435849.5	3766065	4.88E-08	1.167YrCa	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148 ALL	435849.5	3766265	5.36E-08	1.167YrCa	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1149	ALL	435849.5	3766465	5.65E-08	1.167YrCa	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	435849.5	3766665	5.70E-08	1.167YrCa	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	435849.5	3766865	5.45E-08	1.167YrCa	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	435849.5	3767065	4.96E-08	1.167YrCa	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	435849.5	3767265	4.16E-08	1.167YrCa	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	435849.5	3767465	3.20E-08	1.167YrCa	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	435849.5	3767665	2.62E-08	1.167YrCa	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	435849.5	3767865	2.20E-08	1.167YrCa	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	435849.5	3768065	1.85E-08	1.167YrCa	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	435849.5	3768265	1.54E-08	1.167YrCa	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	435849.5	3768465	1.31E-08	1.167YrCa	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	435849.5	3768665	1.11E-08	1.167YrCa	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	435649.5	3765665	3.22E-08	1.167YrCa	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	435649.5	3765865	3.58E-08	1.167YrCa	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	435649.5	3766065	3.92E-08	1.167YrCa	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	435649.5	3766265	4.21E-08	1.167YrCa	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	435649.5	3766465	4.38E-08	1.167YrCa	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	435649.5	3766665	4.40E-08	1.167YrCa	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	435649.5	3766865	4.25E-08	1.167YrCa	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	435649.5	3767065	3.96E-08	1.167YrCa	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	435649.5	3767265	3.57E-08	1.167YrCa	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	435649.5	3767465	2.83E-08	1.167YrCa	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	435649.5	3767665	2.33E-08	1.167YrCa	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	435649.5	3767865	1.99E-08	1.167YrCa	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	435649.5	3768065	1.71E-08	1.167YrCa	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	435649.5	3768265	1.47E-08	1.167YrCa	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	435649.5	3768465	1.26E-08	1.167YrCa	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	435649.5	3768665	1.08E-08	1.167YrCa	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	435449.5	3765665	2.74E-08	1.167YrCa	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	435449.5	3765865	3.00E-08	1.167YrCa	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	435449.5	3766065	3.23E-08	1.167YrCa	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	435449.5	3766265	3.40E-08	1.167YrCa	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	435449.5	3766465	3.51E-08	1.167YrCa	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	435449.5	3766665	3.51E-08	1.167YrCa	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	435449.5	3766865	3.42E-08	1.167YrCa	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	435449.5	3767065	3.24E-08	1.167YrCa	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	435449.5	3767265	2.99E-08	1.167YrCa	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	435449.5	3767465	2.70E-08	1.167YrCa	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187	ALL	435449.5	3767665	2.11E-08	1.167YrCa	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	435449.5	3767865	1.80E-08	1.167YrCa	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	435449.5	3768065	1.58E-08	1.167YrCa	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	435449.5	3768265	1.38E-08	1.167YrCa	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	435449.5	3768465	1.20E-08	1.167YrCa	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	435449.5	3768665	1.04E-08	1.167YrCa	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	435249.5	3765665	2.36E-08	1.167YrCa	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	435249.5	3765865	2.55E-08	1.167YrCa	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1195	ALL	435249.5	3766065	2.70E-08	1.167YrCa	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	435249.5	3766265	2.82E-08	1.167YrCa	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	435249.5	3766465	2.88E-08	1.167YrCa	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	435249.5	3766665	2.88E-08	1.167YrCa	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	435249.5	3766865	2.82E-08	1.167YrCa	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	435249.5	3767065	2.70E-08	1.167YrCa	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	435249.5	3767265	2.53E-08	1.167YrCa	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	435249.5	3767465	2.33E-08	1.167YrCa	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	435249.5	3767665	1.94E-08	1.167YrCa	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	435249.5	3767865	1.65E-08	1.167YrCa	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	435249.5	3768065	1.43E-08	1.167YrCa	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	435249.5	3768265	1.27E-08	1.167YrCa	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	435249.5	3768465	1.12E-08	1.167YrCa	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	435249.5	3768665	9.88E-09	1.167YrCa	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	435049.5	3765665	2.06E-08	1.167YrCa	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	435049.5	3765865	2.19E-08	1.167YrCa	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	435049.5	3766065	2.30E-08	1.167YrCa	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	435049.5	3766265	2.38E-08	1.167YrCa	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	435049.5	3766465	2.42E-08	1.167YrCa	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	435049.5	3766665	2.42E-08	1.167YrCa	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	435049.5	3766865	2.38E-08	1.167YrCa	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	435049.5	3767065	2.29E-08	1.167YrCa	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	435049.5	3767265	2.18E-08	1.167YrCa	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	435049.5	3767465	2.03E-08	1.167YrCa	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	435049.5	3767665	1.82E-08	1.167YrCa	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	435049.5	3767865	1.50E-08	1.167YrCa	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	435049.5	3768065	1.31E-08	1.167YrCa	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	435049.5	3768265	1.16E-08	1.167YrCa	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	435049.5	3768465	1.04E-08	1.167YrCa	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	435049.5	3768665	9.43E-09	1.167YrCa	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5.92E-06

5.92E+00

HARP2 - HRACalc (dated 22118) 11/5/2025 1:40:21 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.167

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.167
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\dlarocca\Desktop\HARP2 Files\BensonMit\hra\ConstCancerMitCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\HARP2 Files\BensonMit\hra\ConstCancerMitCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 11/5/2025 1:42:09 PM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\HARP2 Files\BensonMit\hra\ConstChronicrMitHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		436849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04
2	ALL		436849.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04
3	ALL		436849.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04
4	ALL		436849.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04
5	ALL		436849.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
6	ALL		436849.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
7	ALL		436849.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
8	ALL		436849.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
9	ALL		436849.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
10	ALL		436849.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
11	ALL		436849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
12	ALL		436849.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
13	ALL		436849.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
14	ALL		436849.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
15	ALL		436849.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04
16	ALL		436849.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04
17	ALL		436849.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04
18	ALL		436849.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04
19	ALL		436849.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04
20	ALL		436849.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04
21	ALL		436849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04
22	ALL		436869.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04
23	ALL		436869.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04
24	ALL		436869.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04
25	ALL		436869.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
26	ALL		436869.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
27	ALL		436869.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
28	ALL		436869.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
29	ALL		436869.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
30	ALL		436869.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
31	ALL		436869.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
32	ALL		436869.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04
33	ALL		436869.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04
34	ALL		436869.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04
35	ALL		436869.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
36	ALL		436869.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04
37	ALL		436889.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04
38	ALL		436889.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04
39	ALL		436889.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
40	ALL		436889.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
41	ALL		436889.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
42	ALL		436889.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
43	ALL		436889.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
44	ALL		436889.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
45	ALL		436889.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
46	ALL		436889.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04
47	ALL		436889.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04
48	ALL		436889.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04

49	ALL	436889.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
50	ALL	436909.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04
51	ALL	436909.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
52	ALL	436909.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
53	ALL	436909.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
54	ALL	436909.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
55	ALL	436909.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
56	ALL	436909.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04
57	ALL	436909.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04
58	ALL	436909.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04
59	ALL	436909.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04
60	ALL	436929.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04
61	ALL	436929.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
62	ALL	436929.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
63	ALL	436929.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
64	ALL	436929.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
65	ALL	436929.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
66	ALL	436929.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
67	ALL	436929.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04
68	ALL	436929.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04
69	ALL	436929.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04
70	ALL	436949.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04
71	ALL	436949.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
72	ALL	436949.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03
73	ALL	436949.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
74	ALL	436949.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
75	ALL	436949.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
76	ALL	436949.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
77	ALL	436949.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04
78	ALL	436949.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04
79	ALL	436949.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04
80	ALL	436969.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03
81	ALL	436969.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03
82	ALL	436969.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
83	ALL	436969.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
84	ALL	436969.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
85	ALL	436969.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
86	ALL	436969.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04
87	ALL	436969.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04
88	ALL	436989.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03
89	ALL	436989.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03
90	ALL	436989.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
91	ALL	436989.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
92	ALL	436989.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
93	ALL	436989.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
94	ALL	436989.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04
95	ALL	436989.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04
96	ALL	437009.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
97	ALL	437009.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
98	ALL	437009.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03

99	ALL	437009.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04
100	ALL	437009.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04
101	ALL	437029.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
102	ALL	437029.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
103	ALL	437029.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
104	ALL	437029.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
105	ALL	437029.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04
106	ALL	437049.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
107	ALL	437049.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
108	ALL	437049.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
109	ALL	437049.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
110	ALL	437049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04
111	ALL	437069.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
112	ALL	437069.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
113	ALL	437069.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
114	ALL	437069.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
115	ALL	437069.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-04
116	ALL	437089.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
117	ALL	437089.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
118	ALL	437089.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
119	ALL	437089.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
120	ALL	437089.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04
121	ALL	437109.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
122	ALL	437109.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
123	ALL	437109.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
124	ALL	437109.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
125	ALL	437109.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04
126	ALL	437129.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
127	ALL	437129.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
128	ALL	437129.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
129	ALL	437129.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
130	ALL	437129.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04
131	ALL	437149.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
132	ALL	437149.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
133	ALL	437149.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
134	ALL	437149.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
135	ALL	437149.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04
136	ALL	437169.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
137	ALL	437169.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
138	ALL	437169.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
139	ALL	437169.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
140	ALL	437169.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04
141	ALL	437189.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04
142	ALL	437189.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04
143	ALL	437189.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
144	ALL	437189.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
145	ALL	437189.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
146	ALL	437189.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
147	ALL	437189.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03
148	ALL	437189.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03

149	ALL	437189.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-03
150	ALL	437189.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-03
151	ALL	437189.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-03
152	ALL	437189.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-03
153	ALL	437189.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-03
154	ALL	437189.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03
155	ALL	437189.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-03
156	ALL	437189.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
157	ALL	437189.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
158	ALL	437189.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
159	ALL	437189.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
160	ALL	437189.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04
161	ALL	437189.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04
162	ALL	437209.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04
163	ALL	437209.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04
164	ALL	437209.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
165	ALL	437209.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
166	ALL	437209.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
167	ALL	437209.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
168	ALL	437209.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
169	ALL	437209.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
170	ALL	437209.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03
171	ALL	437209.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-03
172	ALL	437209.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03
173	ALL	437209.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-03
174	ALL	437209.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-03
175	ALL	437209.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03
176	ALL	437209.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
177	ALL	437209.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
178	ALL	437209.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
179	ALL	437209.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
180	ALL	437209.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
181	ALL	437209.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-04
182	ALL	437209.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04
183	ALL	437229.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04
184	ALL	437229.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04
185	ALL	437229.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04
186	ALL	437229.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
187	ALL	437229.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
188	ALL	437229.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
189	ALL	437229.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
190	ALL	437229.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03
191	ALL	437229.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
192	ALL	437229.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03
193	ALL	437229.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-03
194	ALL	437229.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03
195	ALL	437229.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-03
196	ALL	437229.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
197	ALL	437229.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03
198	ALL	437229.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03

199	ALL	437229.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
200	ALL	437229.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
201	ALL	437229.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
202	ALL	437229.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04
203	ALL	437229.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04
204	ALL	437249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04
205	ALL	437249.5	3766485	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04
206	ALL	437249.5	3766505	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04
207	ALL	437249.5	3766525	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
208	ALL	437249.5	3766545	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
209	ALL	437249.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
210	ALL	437249.5	3766585	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
211	ALL	437249.5	3766605	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
212	ALL	437249.5	3766625	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03
213	ALL	437249.5	3766645	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
214	ALL	437249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03
215	ALL	437249.5	3766685	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03
216	ALL	437249.5	3766705	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03
217	ALL	437249.5	3766725	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03
218	ALL	437249.5	3766745	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
219	ALL	437249.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
220	ALL	437249.5	3766785	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
221	ALL	437249.5	3766805	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
222	ALL	437249.5	3766825	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
223	ALL	437249.5	3766845	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04
224	ALL	437249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04
225	ALL	436849.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
226	ALL	436849.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
227	ALL	436849.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
228	ALL	436849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
229	ALL	436849.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
230	ALL	436849.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
231	ALL	436899.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04
232	ALL	436899.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
233	ALL	436899.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
234	ALL	436899.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
235	ALL	436899.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
236	ALL	436899.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
237	ALL	436949.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
238	ALL	436949.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
239	ALL	436949.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
240	ALL	436949.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
241	ALL	436949.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
242	ALL	436949.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
243	ALL	436999.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04
244	ALL	436999.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
245	ALL	436999.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
246	ALL	436999.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
247	ALL	436999.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
248	ALL	436999.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04

249	ALL	437049.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04
250	ALL	437049.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
251	ALL	437049.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
252	ALL	437049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
253	ALL	437049.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
254	ALL	437049.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
255	ALL	437099.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04
256	ALL	437099.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
257	ALL	437099.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
258	ALL	437099.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
259	ALL	437099.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
260	ALL	437099.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
261	ALL	437149.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04
262	ALL	437149.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
263	ALL	437149.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
264	ALL	437149.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
265	ALL	437149.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
266	ALL	437149.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
267	ALL	437199.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04
268	ALL	437199.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
269	ALL	437199.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
270	ALL	437199.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
271	ALL	437199.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
272	ALL	437199.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
273	ALL	437249.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04
274	ALL	437249.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
275	ALL	437249.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
276	ALL	437249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
277	ALL	437249.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
278	ALL	437249.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
279	ALL	437299.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04
280	ALL	437299.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
281	ALL	437299.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
282	ALL	437299.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
283	ALL	437299.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
284	ALL	437299.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
285	ALL	437349.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
286	ALL	437349.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
287	ALL	437349.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
288	ALL	437349.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
289	ALL	437349.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
290	ALL	437349.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
291	ALL	437399.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
292	ALL	437399.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
293	ALL	437399.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
294	ALL	437399.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
295	ALL	437399.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
296	ALL	437399.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
297	ALL	437449.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
298	ALL	437449.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04

299	ALL	437449.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
300	ALL	437449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
301	ALL	437449.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
302	ALL	437449.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
303	ALL	437499.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
304	ALL	437499.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
305	ALL	437499.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
306	ALL	437499.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
307	ALL	437499.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
308	ALL	437499.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
309	ALL	437549.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
310	ALL	437549.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
311	ALL	437549.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
312	ALL	437549.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
313	ALL	437549.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
314	ALL	437549.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
315	ALL	437299.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04
316	ALL	437299.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
317	ALL	437299.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
318	ALL	437299.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
319	ALL	437299.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
320	ALL	437299.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
321	ALL	437299.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
322	ALL	437299.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04
323	ALL	437299.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04
324	ALL	437299.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
325	ALL	437299.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
326	ALL	437299.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
327	ALL	437299.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
328	ALL	437299.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
329	ALL	437299.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
330	ALL	437349.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04
331	ALL	437349.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04
332	ALL	437349.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
333	ALL	437349.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
334	ALL	437349.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
335	ALL	437349.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
336	ALL	437349.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
337	ALL	437349.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04
338	ALL	437349.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
339	ALL	437349.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
340	ALL	437349.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
341	ALL	437349.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
342	ALL	437349.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
343	ALL	437349.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
344	ALL	437349.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
345	ALL	437399.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04
346	ALL	437399.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04
347	ALL	437399.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04
348	ALL	437399.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03

349	ALL	437399.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
350	ALL	437399.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
351	ALL	437399.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04
352	ALL	437399.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04
353	ALL	437399.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04
354	ALL	437399.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
355	ALL	437399.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
356	ALL	437399.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
357	ALL	437399.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
358	ALL	437399.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
359	ALL	437399.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
360	ALL	437449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04
361	ALL	437449.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04
362	ALL	437449.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04
363	ALL	437449.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04
364	ALL	437449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04
365	ALL	437449.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04
366	ALL	437449.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04
367	ALL	437449.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04
368	ALL	437449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04
369	ALL	437449.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
370	ALL	437449.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
371	ALL	437449.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
372	ALL	437449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
373	ALL	437449.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
374	ALL	437449.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
375	ALL	437499.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
376	ALL	437499.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04
377	ALL	437499.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04
378	ALL	437499.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04
379	ALL	437499.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04
380	ALL	437499.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04
381	ALL	437499.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04
382	ALL	437499.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
383	ALL	437499.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
384	ALL	437499.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
385	ALL	437499.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
386	ALL	437499.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
387	ALL	437499.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
388	ALL	437499.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
389	ALL	437499.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
390	ALL	437549.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
391	ALL	437549.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04
392	ALL	437549.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
393	ALL	437549.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
394	ALL	437549.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04
395	ALL	437549.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04
396	ALL	437549.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
397	ALL	437549.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
398	ALL	437549.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04

399	ALL	437549.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
400	ALL	437549.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
401	ALL	437549.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
402	ALL	437549.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
403	ALL	437549.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
404	ALL	437549.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
405	ALL	437249.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
406	ALL	437249.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
407	ALL	437249.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
408	ALL	437249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
409	ALL	437249.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
410	ALL	437249.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
411	ALL	437199.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04
412	ALL	437199.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
413	ALL	437199.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
414	ALL	437199.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
415	ALL	437199.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
416	ALL	437199.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
417	ALL	437149.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04
418	ALL	437149.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
419	ALL	437149.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
420	ALL	437149.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
421	ALL	437149.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
422	ALL	437149.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
423	ALL	437099.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
424	ALL	437099.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
425	ALL	437099.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
426	ALL	437099.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
427	ALL	437099.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
428	ALL	437099.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
429	ALL	437049.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04
430	ALL	437049.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
431	ALL	437049.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04
432	ALL	437049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
433	ALL	437049.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
434	ALL	437049.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
435	ALL	436999.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
436	ALL	436999.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04
437	ALL	436999.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
438	ALL	436999.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
439	ALL	436999.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
440	ALL	436999.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
441	ALL	436949.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04
442	ALL	436949.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04
443	ALL	436949.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
444	ALL	436949.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
445	ALL	436949.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
446	ALL	436949.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
447	ALL	436899.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04
448	ALL	436899.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04

449	ALL	436899.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
450	ALL	436899.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
451	ALL	436899.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
452	ALL	436899.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
453	ALL	436849.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04
454	ALL	436849.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
455	ALL	436849.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
456	ALL	436849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
457	ALL	436849.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
458	ALL	436849.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
459	ALL	436799.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
460	ALL	436799.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
461	ALL	436799.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
462	ALL	436799.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
463	ALL	436799.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
464	ALL	436799.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
465	ALL	436749.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
466	ALL	436749.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
467	ALL	436749.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
468	ALL	436749.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
469	ALL	436749.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
470	ALL	436749.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
471	ALL	436699.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
472	ALL	436699.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
473	ALL	436699.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
474	ALL	436699.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
475	ALL	436699.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
476	ALL	436699.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
477	ALL	436649.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04
478	ALL	436649.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
479	ALL	436649.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
480	ALL	436649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
481	ALL	436649.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
482	ALL	436649.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
483	ALL	436599.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
484	ALL	436599.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
485	ALL	436599.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
486	ALL	436599.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
487	ALL	436599.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
488	ALL	436599.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
489	ALL	436549.5	3766415	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
490	ALL	436549.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
491	ALL	436549.5	3766315	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
492	ALL	436549.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
493	ALL	436549.5	3766215	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
494	ALL	436549.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
495	ALL	436799.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
496	ALL	436799.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04
497	ALL	436799.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04
498	ALL	436799.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04

499	ALL	436799.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04
500	ALL	436799.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04
501	ALL	436799.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04
502	ALL	436799.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04
503	ALL	436799.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04
504	ALL	436799.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
505	ALL	436799.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
506	ALL	436799.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
507	ALL	436799.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
508	ALL	436799.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
509	ALL	436799.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
510	ALL	436749.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
511	ALL	436749.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
512	ALL	436749.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04
513	ALL	436749.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04
514	ALL	436749.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04
515	ALL	436749.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
516	ALL	436749.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
517	ALL	436749.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
518	ALL	436749.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
519	ALL	436749.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
520	ALL	436749.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
521	ALL	436749.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
522	ALL	436749.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
523	ALL	436749.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
524	ALL	436749.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
525	ALL	436699.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
526	ALL	436699.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
527	ALL	436699.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
528	ALL	436699.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
529	ALL	436699.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
530	ALL	436699.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
531	ALL	436699.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
532	ALL	436699.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
533	ALL	436699.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
534	ALL	436699.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
535	ALL	436699.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
536	ALL	436699.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
537	ALL	436699.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
538	ALL	436699.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
539	ALL	436699.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
540	ALL	436649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
541	ALL	436649.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
542	ALL	436649.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
543	ALL	436649.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
544	ALL	436649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
545	ALL	436649.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
546	ALL	436649.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
547	ALL	436649.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
548	ALL	436649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04

549	ALL	436649.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
550	ALL	436649.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
551	ALL	436649.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
552	ALL	436649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
553	ALL	436649.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
554	ALL	436649.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
555	ALL	436599.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
556	ALL	436599.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
557	ALL	436599.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
558	ALL	436599.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
559	ALL	436599.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
560	ALL	436599.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
561	ALL	436599.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
562	ALL	436599.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
563	ALL	436599.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
564	ALL	436599.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
565	ALL	436599.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
566	ALL	436599.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
567	ALL	436599.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
568	ALL	436599.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
569	ALL	436599.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
570	ALL	436549.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
571	ALL	436549.5	3766515	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
572	ALL	436549.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
573	ALL	436549.5	3766615	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
574	ALL	436549.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
575	ALL	436549.5	3766715	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
576	ALL	436549.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
577	ALL	436549.5	3766815	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
578	ALL	436549.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
579	ALL	436549.5	3766915	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
580	ALL	436549.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
581	ALL	436549.5	3767015	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
582	ALL	436549.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
583	ALL	436549.5	3767115	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
584	ALL	436549.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
585	ALL	436549.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
586	ALL	436549.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
587	ALL	436549.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
588	ALL	436549.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
589	ALL	436549.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
590	ALL	436649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
591	ALL	436649.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05
592	ALL	436649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
593	ALL	436649.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
594	ALL	436649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
595	ALL	436749.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
596	ALL	436749.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05
597	ALL	436749.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
598	ALL	436749.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05

599	ALL	436749.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
600	ALL	436849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
601	ALL	436849.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
602	ALL	436849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
603	ALL	436849.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
604	ALL	436849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
605	ALL	436949.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
606	ALL	436949.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
607	ALL	436949.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
608	ALL	436949.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
609	ALL	436949.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
610	ALL	437049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
611	ALL	437049.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
612	ALL	437049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
613	ALL	437049.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
614	ALL	437049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
615	ALL	437149.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
616	ALL	437149.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
617	ALL	437149.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
618	ALL	437149.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
619	ALL	437149.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
620	ALL	437249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
621	ALL	437249.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05
622	ALL	437249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
623	ALL	437249.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
624	ALL	437249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
625	ALL	437349.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
626	ALL	437349.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
627	ALL	437349.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
628	ALL	437349.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
629	ALL	437349.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
630	ALL	437449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
631	ALL	437449.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
632	ALL	437449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
633	ALL	437449.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05
634	ALL	437449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
635	ALL	437549.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
636	ALL	437549.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05
637	ALL	437549.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
638	ALL	437549.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
639	ALL	437549.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
640	ALL	437649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
641	ALL	437649.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
642	ALL	437649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
643	ALL	437649.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
644	ALL	437649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
645	ALL	437749.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
646	ALL	437749.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
647	ALL	437749.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
648	ALL	437749.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05

649	ALL	437749.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
650	ALL	437849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
651	ALL	437849.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
652	ALL	437849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
653	ALL	437849.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
654	ALL	437849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
655	ALL	437949.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
656	ALL	437949.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05
657	ALL	437949.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
658	ALL	437949.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
659	ALL	437949.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
660	ALL	438049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
661	ALL	438049.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05
662	ALL	438049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
663	ALL	438049.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
664	ALL	438049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
665	ALL	437649.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
666	ALL	437649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
667	ALL	437649.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
668	ALL	437649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
669	ALL	437649.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
670	ALL	437649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
671	ALL	437649.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
672	ALL	437649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
673	ALL	437649.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
674	ALL	437649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
675	ALL	437649.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
676	ALL	437649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
677	ALL	437649.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
678	ALL	437649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
679	ALL	437649.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
680	ALL	437649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
681	ALL	437749.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
682	ALL	437749.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
683	ALL	437749.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
684	ALL	437749.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
685	ALL	437749.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
686	ALL	437749.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
687	ALL	437749.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
688	ALL	437749.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
689	ALL	437749.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
690	ALL	437749.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
691	ALL	437749.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
692	ALL	437749.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
693	ALL	437749.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
694	ALL	437749.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
695	ALL	437749.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
696	ALL	437749.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
697	ALL	437849.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
698	ALL	437849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04

699	ALL	437849.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
700	ALL	437849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
701	ALL	437849.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
702	ALL	437849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
703	ALL	437849.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
704	ALL	437849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
705	ALL	437849.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
706	ALL	437849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
707	ALL	437849.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
708	ALL	437849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05
709	ALL	437849.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
710	ALL	437849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
711	ALL	437849.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
712	ALL	437849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
713	ALL	437949.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
714	ALL	437949.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
715	ALL	437949.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
716	ALL	437949.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
717	ALL	437949.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
718	ALL	437949.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
719	ALL	437949.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
720	ALL	437949.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
721	ALL	437949.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
722	ALL	437949.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
723	ALL	437949.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
724	ALL	437949.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
725	ALL	437949.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
726	ALL	437949.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
727	ALL	437949.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
728	ALL	437949.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
729	ALL	438049.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
730	ALL	438049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
731	ALL	438049.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
732	ALL	438049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
733	ALL	438049.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
734	ALL	438049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
735	ALL	438049.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
736	ALL	438049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
737	ALL	438049.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
738	ALL	438049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
739	ALL	438049.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
740	ALL	438049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
741	ALL	438049.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05
742	ALL	438049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
743	ALL	438049.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
744	ALL	438049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
745	ALL	437549.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
746	ALL	437549.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
747	ALL	437549.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
748	ALL	437549.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-05

749	ALL	437549.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
750	ALL	437449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
751	ALL	437449.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
752	ALL	437449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
753	ALL	437449.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05
754	ALL	437449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
755	ALL	437349.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
756	ALL	437349.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
757	ALL	437349.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
758	ALL	437349.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
759	ALL	437349.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
760	ALL	437249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
761	ALL	437249.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
762	ALL	437249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
763	ALL	437249.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
764	ALL	437249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
765	ALL	437149.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
766	ALL	437149.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
767	ALL	437149.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
768	ALL	437149.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
769	ALL	437149.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
770	ALL	437049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
771	ALL	437049.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
772	ALL	437049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05
773	ALL	437049.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
774	ALL	437049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
775	ALL	436949.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
776	ALL	436949.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
777	ALL	436949.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
778	ALL	436949.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
779	ALL	436949.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
780	ALL	436849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
781	ALL	436849.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
782	ALL	436849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
783	ALL	436849.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
784	ALL	436849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
785	ALL	436749.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
786	ALL	436749.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
787	ALL	436749.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
788	ALL	436749.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
789	ALL	436749.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
790	ALL	436649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
791	ALL	436649.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
792	ALL	436649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
793	ALL	436649.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
794	ALL	436649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
795	ALL	436549.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
796	ALL	436549.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05
797	ALL	436549.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
798	ALL	436549.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05

799	ALL	436549.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
800	ALL	436449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
801	ALL	436449.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
802	ALL	436449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
803	ALL	436449.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
804	ALL	436449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
805	ALL	436349.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
806	ALL	436349.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05
807	ALL	436349.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
808	ALL	436349.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
809	ALL	436349.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
810	ALL	436249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
811	ALL	436249.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
812	ALL	436249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
813	ALL	436249.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
814	ALL	436249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
815	ALL	436149.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
816	ALL	436149.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
817	ALL	436149.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
818	ALL	436149.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
819	ALL	436149.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
820	ALL	436049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
821	ALL	436049.5	3765965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
822	ALL	436049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
823	ALL	436049.5	3765765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
824	ALL	436049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
825	ALL	436449.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
826	ALL	436449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
827	ALL	436449.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
828	ALL	436449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
829	ALL	436449.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
830	ALL	436449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
831	ALL	436449.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
832	ALL	436449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
833	ALL	436449.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
834	ALL	436449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
835	ALL	436449.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
836	ALL	436449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
837	ALL	436449.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
838	ALL	436449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
839	ALL	436449.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
840	ALL	436449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
841	ALL	436349.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
842	ALL	436349.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
843	ALL	436349.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
844	ALL	436349.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
845	ALL	436349.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
846	ALL	436349.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
847	ALL	436349.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
848	ALL	436349.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04

849	ALL	436349.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
850	ALL	436349.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05
851	ALL	436349.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
852	ALL	436349.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
853	ALL	436349.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
854	ALL	436349.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
855	ALL	436349.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
856	ALL	436349.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
857	ALL	436249.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05
858	ALL	436249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05
859	ALL	436249.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
860	ALL	436249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
861	ALL	436249.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
862	ALL	436249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
863	ALL	436249.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
864	ALL	436249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
865	ALL	436249.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
866	ALL	436249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
867	ALL	436249.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
868	ALL	436249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
869	ALL	436249.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
870	ALL	436249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
871	ALL	436249.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
872	ALL	436249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
873	ALL	436149.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
874	ALL	436149.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
875	ALL	436149.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
876	ALL	436149.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
877	ALL	436149.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
878	ALL	436149.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
879	ALL	436149.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
880	ALL	436149.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
881	ALL	436149.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
882	ALL	436149.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05
883	ALL	436149.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
884	ALL	436149.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
885	ALL	436149.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
886	ALL	436149.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
887	ALL	436149.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
888	ALL	436149.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
889	ALL	436049.5	3766165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
890	ALL	436049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
891	ALL	436049.5	3766365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
892	ALL	436049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
893	ALL	436049.5	3766565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
894	ALL	436049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05
895	ALL	436049.5	3766765	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05
896	ALL	436049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
897	ALL	436049.5	3766965	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
898	ALL	436049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05

899	ALL	436049.5	3767165	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
900	ALL	436049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
901	ALL	436049.5	3767365	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
902	ALL	436049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
903	ALL	436049.5	3767565	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
904	ALL	436049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
905	ALL	436049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
906	ALL	436049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
907	ALL	436049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
908	ALL	436049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
909	ALL	436049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
910	ALL	436249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
911	ALL	436249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
912	ALL	436249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
913	ALL	436249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
914	ALL	436249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
915	ALL	436449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
916	ALL	436449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
917	ALL	436449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
918	ALL	436449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
919	ALL	436449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
920	ALL	436649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
921	ALL	436649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
922	ALL	436649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
923	ALL	436649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
924	ALL	436649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
925	ALL	436849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
926	ALL	436849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
927	ALL	436849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
928	ALL	436849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
929	ALL	436849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
930	ALL	437049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
931	ALL	437049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
932	ALL	437049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
933	ALL	437049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
934	ALL	437049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
935	ALL	437249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
936	ALL	437249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
937	ALL	437249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
938	ALL	437249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
939	ALL	437249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
940	ALL	437449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
941	ALL	437449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
942	ALL	437449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
943	ALL	437449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
944	ALL	437449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
945	ALL	437649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
946	ALL	437649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
947	ALL	437649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
948	ALL	437649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05

949	ALL	437649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
950	ALL	437849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
951	ALL	437849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
952	ALL	437849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
953	ALL	437849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
954	ALL	437849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
955	ALL	438049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
956	ALL	438049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
957	ALL	438049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
958	ALL	438049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
959	ALL	438049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
960	ALL	438249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
961	ALL	438249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
962	ALL	438249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
963	ALL	438249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
964	ALL	438249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
965	ALL	438449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
966	ALL	438449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
967	ALL	438449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
968	ALL	438449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
969	ALL	438449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
970	ALL	438649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
971	ALL	438649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05
972	ALL	438649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
973	ALL	438649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
974	ALL	438649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
975	ALL	438849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
976	ALL	438849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
977	ALL	438849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
978	ALL	438849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
979	ALL	438849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
980	ALL	439049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
981	ALL	439049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
982	ALL	439049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
983	ALL	439049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
984	ALL	439049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
985	ALL	438249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
986	ALL	438249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
987	ALL	438249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
988	ALL	438249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
989	ALL	438249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
990	ALL	438249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
991	ALL	438249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
992	ALL	438249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05
993	ALL	438249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
994	ALL	438249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
995	ALL	438249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
996	ALL	438249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
997	ALL	438249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
998	ALL	438249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05

999	ALL	438249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1000	ALL	438249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1001	ALL	438449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1002	ALL	438449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
1003	ALL	438449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
1004	ALL	438449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
1005	ALL	438449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1006	ALL	438449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1007	ALL	438449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05
1008	ALL	438449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
1009	ALL	438449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1010	ALL	438449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
1011	ALL	438449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1012	ALL	438449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1013	ALL	438449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1014	ALL	438449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1015	ALL	438449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1016	ALL	438449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1017	ALL	438649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
1018	ALL	438649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1019	ALL	438649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
1020	ALL	438649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
1021	ALL	438649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05
1022	ALL	438649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
1023	ALL	438649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
1024	ALL	438649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1025	ALL	438649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
1026	ALL	438649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
1027	ALL	438649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
1028	ALL	438649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
1029	ALL	438649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1030	ALL	438649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1031	ALL	438649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1032	ALL	438649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1033	ALL	438849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
1034	ALL	438849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
1035	ALL	438849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
1036	ALL	438849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
1037	ALL	438849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05
1038	ALL	438849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
1039	ALL	438849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
1040	ALL	438849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
1041	ALL	438849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
1042	ALL	438849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
1043	ALL	438849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
1044	ALL	438849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1045	ALL	438849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1046	ALL	438849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1047	ALL	438849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1048	ALL	438849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05

1049	ALL	439049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
1050	ALL	439049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
1051	ALL	439049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1052	ALL	439049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
1053	ALL	439049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
1054	ALL	439049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
1055	ALL	439049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
1056	ALL	439049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
1057	ALL	439049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
1058	ALL	439049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1059	ALL	439049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
1060	ALL	439049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1061	ALL	439049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1062	ALL	439049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1063	ALL	439049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1064	ALL	439049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1065	ALL	438049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
1066	ALL	438049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1067	ALL	438049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1068	ALL	438049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1069	ALL	438049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1070	ALL	437849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1071	ALL	437849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
1072	ALL	437849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
1073	ALL	437849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1074	ALL	437849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1075	ALL	437649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1076	ALL	437649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
1077	ALL	437649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
1078	ALL	437649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1079	ALL	437649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1080	ALL	437449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
1081	ALL	437449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
1082	ALL	437449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
1083	ALL	437449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1084	ALL	437449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1085	ALL	437249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1086	ALL	437249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
1087	ALL	437249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1088	ALL	437249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1089	ALL	437249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1090	ALL	437049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
1091	ALL	437049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1092	ALL	437049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1093	ALL	437049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1094	ALL	437049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1095	ALL	436849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
1096	ALL	436849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
1097	ALL	436849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
1098	ALL	436849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05

1099	ALL	436849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1100	ALL	436649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1101	ALL	436649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
1102	ALL	436649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
1103	ALL	436649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1104	ALL	436649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1105	ALL	436449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
1106	ALL	436449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1107	ALL	436449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1108	ALL	436449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1109	ALL	436449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1110	ALL	436249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
1111	ALL	436249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
1112	ALL	436249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
1113	ALL	436249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1114	ALL	436249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1115	ALL	436049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
1116	ALL	436049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
1117	ALL	436049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1118	ALL	436049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1119	ALL	436049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1120	ALL	435849.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1121	ALL	435849.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
1122	ALL	435849.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
1123	ALL	435849.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1124	ALL	435849.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1125	ALL	435649.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
1126	ALL	435649.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1127	ALL	435649.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1128	ALL	435649.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1129	ALL	435649.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1130	ALL	435449.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1131	ALL	435449.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1132	ALL	435449.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1133	ALL	435449.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1134	ALL	435449.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1135	ALL	435249.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1136	ALL	435249.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1137	ALL	435249.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1138	ALL	435249.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1139	ALL	435249.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1140	ALL	435049.5	3765465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1141	ALL	435049.5	3765265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1142	ALL	435049.5	3765065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1143	ALL	435049.5	3764865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1144	ALL	435049.5	3764665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1145	ALL	435849.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
1146	ALL	435849.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
1147	ALL	435849.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
1148	ALL	435849.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05

1149	ALL	435849.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
1150	ALL	435849.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
1151	ALL	435849.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
1152	ALL	435849.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1153	ALL	435849.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
1154	ALL	435849.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1155	ALL	435849.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1156	ALL	435849.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1157	ALL	435849.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1158	ALL	435849.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1159	ALL	435849.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1160	ALL	435849.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1161	ALL	435649.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
1162	ALL	435649.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
1163	ALL	435649.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
1164	ALL	435649.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
1165	ALL	435649.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
1166	ALL	435649.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
1167	ALL	435649.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
1168	ALL	435649.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1169	ALL	435649.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
1170	ALL	435649.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
1171	ALL	435649.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1172	ALL	435649.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1173	ALL	435649.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1174	ALL	435649.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1175	ALL	435649.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1176	ALL	435649.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1177	ALL	435449.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1178	ALL	435449.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1179	ALL	435449.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
1180	ALL	435449.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1181	ALL	435449.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1182	ALL	435449.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1183	ALL	435449.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
1184	ALL	435449.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
1185	ALL	435449.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1186	ALL	435449.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
1187	ALL	435449.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1188	ALL	435449.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1189	ALL	435449.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1190	ALL	435449.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1191	ALL	435449.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1192	ALL	435449.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1193	ALL	435249.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1194	ALL	435249.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
1195	ALL	435249.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
1196	ALL	435249.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1197	ALL	435249.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
1198	ALL	435249.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05

1199	ALL	435249.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1200	ALL	435249.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
1201	ALL	435249.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
1202	ALL	435249.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1203	ALL	435249.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1204	ALL	435249.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1205	ALL	435249.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1206	ALL	435249.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1207	ALL	435249.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1208	ALL	435249.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
1209	ALL	435049.5	3765665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1210	ALL	435049.5	3765865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1211	ALL	435049.5	3766065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1212	ALL	435049.5	3766265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1213	ALL	435049.5	3766465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
1214	ALL	435049.5	3766665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
1215	ALL	435049.5	3766865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1216	ALL	435049.5	3767065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1217	ALL	435049.5	3767265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1218	ALL	435049.5	3767465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1219	ALL	435049.5	3767665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1220	ALL	435049.5	3767865	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1221	ALL	435049.5	3768065	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1222	ALL	435049.5	3768265	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1223	ALL	435049.5	3768465	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1224	ALL	435049.5	3768665	NonCance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06

5.77E-03

HARP2 - HRACalc (dated 22118) 11/5/2025 1:42:09 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

```
Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Warm

**********
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for
details.
Tier2 - What was changed: ED or start age changed|
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\HARP2
Files\BensonMit\hra\ConstChronicrMitNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\HARP2
Files\BensonMit\hra\ConstChronicrMitNCChronicRiskSumByRec.csv
HRA ran successfully
```

Appendix C
Biological Resources Species List

Photo 1. Overview of site, taken from southwestern corner.

Photo 2. Overview of site, taken from northeastern corner.

Photo 3. Overview of emergent vegetation within detention basin in southern portion of site.

Photo 4. Detention basin vegetation as seen from west side,

Photo 5. Overview of disturbed habitat in southern portion of study area, in the lot to the south of the project site. Taken from southwestern corner of site.

Photo 6. Overview of disturbed habitat to the south, taken from southeastern corner of site.

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Plant Species

Vascular Species

Eudicots

AMARANTHACEAE — AMARANTH FAMILY

* *Amaranthus albus* – prostrate pigweed

ASTERACEAE—SUNFLOWER FAMILY

* *Erigeron bonariensis* – asthmaweed
* *Sonchus oleraceus* – common sowthistle
* *Verbesina enceloides* – golden crownbeard

BRASSICACEAE—MUSTARD FAMILY

* *Hirschfeldia incana* – shortpod mustard

CHENOPODIACEAE—GOOSEFOOT FAMILY

* *Salsola tragus* – prickly Russian thistle

EUPHORBIACEAE—SPURGE FAMILY

* *Euphorbia prostrata* – prostrate sandmat
* *Ricinus communis* - castorbean

OLEACEAE—OLIVE FAMILY

* *Fraxinus uhdei* – evergreen ash

POLYGONACEAE—BUCKWHEAT FAMILY

Persicaria lapathifolia – smartweed

PORTULACACEAE—PURSLANE FAMILY

* *Portulaca oleracea* – little hogweed

PROTEACEAE—PROTEA FAMILY

* *Grevillea robusta* – silkoak

Monocots

POACEAE – GRASS FAMILY

* *Cynodon dactylon* – Bermudagrass
* *Leptochloa fusca* – Malabar sprangletop

TYPHACEAE – CATTAIL FAMILY

Typha spp. – Typha species

Wildlife Species

Birds

Finches

FRINGILLIDAE – FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Haemorhous mexicanus – house finch

Flycatchers

TYRANNIDAE – TYRANT FLYCATCHERS

Sayornis nigricans – black phoebe

Tyrannus vociferans – Cassin's kingbird

Old World Sparrows

PASSERIDAE – OLD WORLD SPARROWS

Passer domesticus – house sparrow

Pigeons and doves

COLUMBIDAE – PIGEONS AND DOVES

Zenaida macroura – mourning dove

Wood Warblers and Allies

PARULIDAE – WOOD-WARBLERS

Setophaga coronata – yellow-rumped warbler

Waxbills

ESTRILDIDAE – WAXBILLS

* *Lonchura punctulata* – scaly-breasted munia

New World Sparrows

PASSERELLIDAE – NEW WORLD SPARROWS

Melospiza melodia – song sparrow

Passerculus sandwichensis – savannah sparrow

* signifies introduced (non-native) species

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Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Abronia villosa var. aurita	chaparral sand-verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; Sandy/annual herb/(Jan)Mar–Sep/245–5,250	Not expected to occur. No suitable habitat is present.
Aphyllon validum ssp. validum	Rock Creek broomrape	None/None/1B.2	Chaparral, Pinyon and juniper woodland; Granitic/perennial herb (parasitic)/May–Sep/3,380–6,560	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita	None/None/1B.2	Chaparral (rocky)/perennial evergreen shrub/Mar/1950–4920	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Astragalus brauntonii	Braunton's milk-vetch	FE/None/1B.1	Chaparral, Coastal scrub, Valley and foothill grassland; Burned areas (sometimes), Carbonate, Disturbed areas (sometimes), Sandstone (usually)/perennial herb/Jan–Aug/15–2,100	Not expected to occur. No suitable habitat is present.
Atriplex coulteri	Coulter's saltbush	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley and foothill grassland; Alkaline (sometimes), Clay (sometimes)/perennial herb/Mar–Oct/10–1,510	Not expected to occur. No suitable habitat is present.
Berberis nevinii	Nevin's barberry	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; Gravelly (sometimes), Sandy (sometimes)/perennial evergreen shrub/(Feb)Mar–June/230–2,705	Not expected to occur. No suitable habitat is present.
Brodiaea filifolia	thread-leaved brodiaea	FT/SE/1B.1	Chaparral (openings), Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal pools; Clay (often)/perennial bulbiferous herb/Mar–June/80–3,675	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Calochortus clavatus var. gracilis	slender mariposa-lily	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland/perennial bulbiferous herb/Mar–June(Nov)/1050–3280	Not expected to occur. The site is outside of the species' known elevation range.
Calochortus weedii var. intermedius	intermediate mariposa-lily	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; Rocky/perennial bulbiferous herb/May–July/345–2,805	Not expected to occur. No suitable habitat is present.
Calystegia felix	lucky morning-glory	None/None/1B.1	Meadows and seeps (sometimes alkaline), Riparian scrub (alluvial); Alkaline (sometimes), Loam (sometimes)/annual rhizomatous herb/Mar–Sep/100–705	Not expected to occur. The site is outside of the species' known elevation range.
Calystegia sepium ssp. binghamiae	Santa Barbara morning-glory	None/None/1A	Marshes and swamps (coastal)/perennial rhizomatous herb/Aug/15–15	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Castilleja gleasoni	Mt. Gleason paintbrush	None/SR/1B.2	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; Granitic/perennial herb (hemiparasitic)/May–June(Sep)/3,805–7,120	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Centromadia pungens ssp. laevis	smooth tarplant	None/None/1B.1	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland, Valley and foothill grassland; Alkaline/annual herb/Apr–Sep/0–2,100	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Chorizanthe parryi var. parryi	Parry's spineflower	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; Openings, Rocky (sometimes), Sandy (sometimes)/annual herb/Apr–June/900–4,005	Not expected to occur. The site is outside of the species' known elevation range.
Cladium californicum	California saw-grass	None/None/2B.2	Marshes and swamps (alkaline, freshwater), Meadows and seeps/perennial rhizomatous herb/June–Sep/195–5250	Not expected to occur. No suitable habitat is present.
Claytonia peirsonii ssp. peirsonii	Peirson's spring beauty	None/None/1B.2	Subalpine coniferous forest, Upper montane coniferous forest; Granitic, Metamorphic, Scree, Talus/perennial herb/(Mar)May–June/4,955–9,005	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Dodecahema leptoceras	slender-horned spineflower	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub (alluvial fans); Sandy/annual herb/Apr–June/655–2,495	Not expected to occur. No suitable habitat is present.
Dudleya densiflora	San Gabriel Mountains dudleya	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Riparian woodland; Granitic/perennial herb/Mar–July/800–2,000	Not expected to occur. No suitable habitat is present.
Dudleya multicaulis	many-stemmed dudleya	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; Clay (often)/perennial herb/Apr–July/50–2,590	Not expected to occur. No suitable habitat is present.
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	FE/SE/1B.1	Chaparral, Coastal scrub (alluvial fans); Gravelly (sometimes), Sandy (sometimes)/perennial herb/Apr–Sep/300–2,000	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Eriogonum microthecum var. johnstonii	Johnston's buckwheat	None/None/1B.3	Subalpine coniferous forest, Upper montane coniferous forest; Rocky/perennial deciduous shrub/July–Sep/6,000–9,600	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Fimbristylis thermalis	hot springs fimbristylis	None/None/2B.2	Meadows and seeps (alkaline, near hot springs)/perennial rhizomatous herb/July–Sep/360–4395	Not expected to occur. No suitable habitat is present.
Horkelia cuneata var. puberula	mesa horkelia	None/None/1B.1	Chaparral (maritime), Cismontane woodland, Coastal scrub; Gravelly (sometimes), Sandy (sometimes)/perennial herb/Feb–July(Sep)/230–2,660	Not expected to occur. No suitable habitat is present.
Imperata brevifolia	California satintail	None/None/2B.1	Chaparral, Coastal scrub, Meadows and seeps (often alkali), Mojavean desert scrub, Riparian scrub; Mesic/perennial rhizomatous herb/Sep–May/0–3,985	Not expected to occur. No suitable habitat is present.
Lilium parryi	lemon lily	None/None/1B.2	Lower montane coniferous forest, Meadows and seeps, Riparian forest, Upper montane coniferous forest; Mesic/perennial bulbiferous herb/July–Aug/4,005–9,005	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Linanthus concinnus	San Gabriel linanthus	None/None/1B.2	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; Openings, Rocky/annual herb/Apr–July/4,985–9,185	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Monardella australis ssp. jokerstii	Jokerst's monardella	None/None/1B.1	Chaparral, Lower montane coniferous forest; Alluvial Terraces, Scree, Slopes, Talus, Washes/perennial rhizomatous herb/July–Sep/4,430–5,740	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Monardella breweri ssp. glandulifera	Brown's Flat monardella	None/None/1B.2	Chaparral, Lower montane coniferous forest; Dry, Openings/annual herb/May–Aug/4,265–4,920	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Monardella macrantha ssp. hallii	Hall's monardella	None/None/1B.3	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland/perennial rhizomatous herb/June–Oct/2395–7200	Not expected to occur. The site is outside of the species' known elevation range.
Muhlenbergia utilis	aparejo grass	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub, Marshes and swamps, Meadows and seeps; Alkaline (sometimes), Serpentinite (sometimes)/perennial rhizomatous herb/Mar–Oct/80–7,630	Not expected to occur. No suitable vegetation present.
Navarretia prostrata	prostrate vernal pool navarretia	None/None/1B.2	Coastal scrub, Meadows and seeps, Valley and foothill grassland (alkaline), Vernal pools; Mesic/annual herb/Apr–July/10–3,970	Not expected to occur. No suitable habitat is present.
Oreonana vestita	woolly mountain-parsley	None/None/1B.3	Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Gravelly (sometimes), Talus (sometimes)/perennial herb/Mar–Sep/5,300–11,485	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Pelazoneuron puberulum var. sonorense	Sonoran maiden fern	None/None/2B.2	Meadows and seeps (seeps, streams)/perennial rhizomatous herb/Jan–Sep/165–2000	Not expected to occur. No suitable habitat is present.
Phacelia stellaris	Brand's star phacelia	None/None/1B.1	Coastal dunes, Coastal scrub/annual herb/Mar–June/5–1310	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Pseudognaphalium leucocephalum	white rabbit-tobacco	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland; Gravelly, Sandy/perennial herb/(July)Aug–Nov(Dec)/0–6,890	Not expected to occur. No suitable vegetation present.
Sagittaria sanfordii	Sanford's arrowhead	None/None/1B.2	Marshes and swamps (shallow freshwater)/perennial rhizomatous herb (emergent)/May–Oct(Nov)/0–2135	Not expected to occur. No suitable vegetation present.
Senecio aphanactis	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; Alkaline (sometimes)/annual herb/Jan–Apr(May)/50–2,625	Not expected to occur. No suitable vegetation present.
Sidalcea neomexicana	salt spring checkerbloom	None/None/2B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; Alkaline, Mesic/perennial herb/Mar–June/50–5,020	Not expected to occur. No suitable vegetation present.
Symphyotrichum defoliatum	San Bernardino aster	None/None/1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Valley and foothill grassland (vernally mesic); Streambanks/perennial rhizomatous herb/July–Nov/5–6,695	Not expected to occur. No suitable habitat is present.
Symphyotrichum greatae	Greata's aster	None/None/1B.3	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Riparian woodland; Mesic/perennial rhizomatous herb/June–Oct/985–6,595	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Thysanocarpus rigidus	rigid fringepod	None/None/1B.2	Pinyon and juniper woodland; Dry, Rocky, Slopes/annual herb/Feb–May/1,970–7,220	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Viola pinetorum ssp. grisea	grey-leaved violet	None/None/1B.2	Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest/perennial herb/Apr–July/4920–11155	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
Yucca brevifolia	western Joshua tree	None/SC/CBR	Great Basin grassland, Great Basin scrub, Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland, Sonoran desert scrub, Valley and foothill grassland/perennial leaf succulent/Apr–May/1312–6562	Not expected to occur. The site is outside of the species' known elevation range.

Notes:
Status Legend:
Federal Designations
FE: Federally listed endangered
FT: Federally listed as threatened
State Designations
SE: State listed as endangered
SR: State listed as rare
SC: State candidate for listing
California Rare Plant Ranking (CRPR)
1A: Plants presumed extirpated in California and either rare or extinct elsewhere
1B: Plants rare, threatened, or endangered in California and elsewhere
2A: Plants presumed extirpated in California, but common elsewhere
2B: Plants rare, threatened, or endangered in California but more common elsewhere
CBR: Considered but rejected
Threat Rank
.1: Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
.2: Moderately threatened in California (20% to 80% of occurrences threatened/moderate degree and immediacy of threat)
.3 Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Amphibians				
Anaxyrus californicus	arroyo toad	FE/SSC	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur. No suitable habitat is present.
Ensatina eschscholtzii klauberi	large-blotched salamander	None/WL	Moist and shaded evergreen and deciduous woodlands	Not expected to occur. No suitable habitat is present.
Rana boylii pop. 6	foothill yellow-legged frog - south coast DPS	FE/SE	Rocky streams and rivers with open banks in forest, chaparral, and woodland	Not expected to occur. No suitable habitat is present.
Rana draytonii	California red-legged frog	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands	Not expected to occur. No suitable habitat is present.
Rana muscosa	mountain yellow-legged frog	FE/SE, WL	Lakes, ponds, meadow streams, isolated pools, and open riverbanks; rocky canyons in narrow canyons and in chaparral	Not expected to occur. No suitable habitat is present.
Spea hammondii	western spadefoot	FPT/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	Not expected to occur. No suitable habitat is present.
Taricha torosa (Monterey Co. south only)	California newt	None/SSC	Wet forests, oak forests, chaparral, and rolling grassland	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Reptiles				
Anniella stebbinsi	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. No suitable habitat is present.
Arizona elegans occidentalis	California glossy snake	None/SSC	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	Not expected to occur. No suitable habitat is present.
Aspidoscelis hyperythra	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley–foothill hardwood	Not expected to occur. No suitable habitat is present.
Aspidoscelis tigris stejnegeri	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Not expected to occur. No suitable habitat is present.
Coleonyx variegatus abbotti	San Diego banded gecko	None/SSC	Rocky areas within coastal scrub and chaparral	Not expected to occur. No suitable habitat is present.
Crotalus ruber	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Not expected to occur. No suitable habitat is present.
Gopherus agassizii	Mojave desert tortoise	FT/ST	Arid and semi-arid habitats in Mojave and Sonoran Deserts, including sandy or gravelly locations along riverbanks, washes, sandy dunes, canyon bottoms, desert oases, rocky hillsides, creosote flats, and hillsides	Not expected to occur. No suitable habitat is present.
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Salvadora hexalepis virgultea	coast patch-nosed snake	None/SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. No suitable habitat is present.
Thamnophis hammondii	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. No suitable habitat is present.
Thamnophis sirtalis ssp. (Southern California coastal plain from Ventura County to San Diego County, and from sea level to about 850 m)	south coast garter snake	None/SSC	Marsh and upland habitats near permanent water and riparian vegetation	Not expected to occur. No suitable habitat is present.
Actinemys pallida	southwestern pond turtle	FPT/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. No suitable habitat is present.
Birds				
Accipiter cooperii (nesting)	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	Not expected to occur. No suitable habitat is present.
Accipiter striatus (nesting)	sharp-shinned hawk	None/WL	Nests in coniferous forests, ponderosa pine, black oak, riparian deciduous, mixed conifer, Jeffrey pine; winters in lowland woodlands and other habitats	Not expected to occur. No suitable habitat is present.
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture	Not expected to occur. No suitable habitat is present.
Aimophila ruficeps canescens	Southern California rufous-crowned sparrow	None/WL	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Ammodramus savannarum (nesting)	grasshopper sparrow	None/SSC	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	Not expected to occur. No suitable habitat is present.
Antigone canadensis canadensis (wintering)	lesser sandhill crane	None/SSC	Winter foraging in cropland, grazed and mowed grassland, pasture, alfalfa fields, and shallow wetlands; roosting sites are flooded and support several inches of water	Not expected to occur. No suitable habitat is present.
Aquila chrysaetos (nesting & wintering)	golden eagle	None/FP, WL	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	Not expected to occur. No suitable habitat is present.
Artemisiospiza belli belli	Bell's sage sparrow	None/WL	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	Not expected to occur. No suitable habitat is present.
Asio flammeus (nesting)	short-eared owl	BCC/SSC	Grassland, prairies, dunes, meadows, irrigated lands, and saline and freshwater emergent wetlands	Not expected to occur. No suitable habitat is present.
Asio otus (nesting)	long-eared owl	BCC/SSC	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats	Not expected to occur. No suitable habitat is present.
Athene cunicularia (burrow sites & some wintering sites)	burrowing owl	BCC/SSC, SC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Branta bernicla (wintering & staging)	brant	None/SSC	Nesting habitat includes the edges of saltmarshes in the low Arctic region; migratory habitats include shallow marine lakes; winter range includes intertidal mudflats in shallow marine waters with abundant eelgrass and/or green algae	Not expected to occur. No suitable habitat is present.
Buteo regalis (wintering)	ferruginous hawk	None/WL	Winters and forages in open, dry country, grasslands, open fields, agriculture	Not expected to occur. No suitable habitat is present.
Buteo swainsoni (nesting)	Swainson's hawk	None/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Not expected to occur. No suitable habitat is present.
Campylorhynchus brunneicapillus sandiegensis (San Diego & Orange Counties only)	coastal cactus wren	None/SSC	Southern cactus scrub patches	Not expected to occur. No suitable habitat is present.
Chaetura vauxi (nesting)	Vaux's swift	None/SSC	Late-stage conifer forest and mixed-conifer/deciduous forest; nests in redwood (Sequoia sempervirens), Douglas-fir (Pseudotsuga spp.), and other conifers, and occasionally buildings and chimneys	Not expected to occur. No suitable habitat is present.
Charadrius montanus (wintering)	mountain plover	BCC/SSC	Winters in shortgrass prairies, plowed fields, open sagebrush, and sandy deserts	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Circus hudsonius (nesting)	northern harrier	BCC/SSC	Nests in open wetlands (marshy meadows, wet lightly-grazed pastures, old fields, freshwater and brackish marshes); also in drier habitats (grassland and grain fields); forages in grassland, scrubs, rangelands, emergent wetlands, and other open habitats	Not expected to occur. No suitable habitat is present.
Cistothorus palustris clarkae	Clark's marsh wren	None/SSC	Nests and forages in freshwater and brackish marsh dominated by bulrushes and cattails	Not expected to occur. No suitable habitat is present.
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable habitat is present.
Contopus cooperi (nesting)	olive-sided flycatcher	BCC/SSC	Nests in mixed-conifer, montane hardwood–conifer, Douglas-fir, redwood, red fir, and lodgepole pine habitats; usually close to water	Not expected to occur. No suitable habitat is present.
Coturnicops noveboracensis	yellow rail	BCC/SSC	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. No suitable habitat is present.
Cypseloides niger (nesting)	black swift	BCC/SSC	Nests in moist crevices, caves, and cliffs behind or adjacent to waterfalls in deep canyons; forages over a wide range of habitats	Not expected to occur. No suitable habitat is present.
Elanus leucurus (nesting)	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Not expected to occur. No suitable habitat is present.
Empidonax traillii (nesting)	willow flycatcher	None/SE	Nests in wet meadow and montane willow riparian	Not expected to occur. No suitable habitat is present.
Empidonax traillii brewsteri (nesting)	little willow flycatcher	None/SE	Nests in riparian willow, montane meadows, and along streams	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. No suitable habitat is present.
Eremophila alpestris actia	California horned lark	None/WL	This subspecies of horned lark occurs on the state's southern and central coastal slope and in the San Joaquin Valley. Nests and forages in grasslands, disturbed lands, agriculture, and beaches.	Not expected to occur. No suitable habitat is present.
Falco columbarius (wintering)	merlin	None/WL	Forages in semi-open areas, including coastline, grassland, agriculture, savanna, woodland, lakes, and wetlands	Not expected to occur. No suitable habitat is present.
Falco mexicanus (nesting)	prairie falcon	None/WL	Forages in grassland, savanna, rangeland, agriculture, desert scrub, alpine meadows; nest on cliffs or bluffs	Not expected to occur. No suitable habitat is present.
Haliaeetus leucocephalus (nesting & wintering)	bald eagle	FPD/FP, SE	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	Not expected to occur. No suitable habitat is present.
Icteria virens (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable habitat is present.
Ixobrychus exilis (nesting)	least bittern	None/SSC	Nests in freshwater and brackish marshes with dense, tall growth of aquatic and semi-aquatic vegetation	Not expected to occur. No suitable habitat is present.
Lanius ludovicianus (nesting)	loggerhead shrike	None/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches	Not expected to occur. No suitable habitat is present.
Laterallus jamaicensis coturniculus	California black rail	None/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Mycteria americana	wood stork	None/SSC	Nests in freshwater and marine-estuarine forested habitats; forages in natural and artificial wetlands; roosts in trees, usually over water	Not expected to occur. No suitable habitat is present.
Numenius americanus (nesting)	long-billed curlew	None/WL	Nests in grazed, mixed grass, and short-grass prairies; localized nesting along the California coast; winters and forages in coastal estuaries, mudflats, open grassland, and cropland	Not expected to occur. No suitable habitat is present.
Pandion haliaetus (nesting)	osprey	None/WL	Large waters (lakes, reservoirs, rivers) supporting fish; usually near forest habitats, but widely observed along the coast	Not expected to occur. No suitable habitat is present.
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow	None/SSC	Nests and forages in low tidally influenced habitats, adjacent ruderal areas, moist grassland within and just above fog belt, and drier grassland	Not expected to occur. No suitable habitat is present.
Passerculus sandwichensis beldingi	Belding's savannah sparrow	BCC/SE	Nests and forages in coastal saltmarsh dominated by pickleweed (Salicornia spp.)	Not expected to occur. No suitable habitat is present.
Pelecanus erythrorhynchos (nesting colony)	American white pelican	BCC/SSC	Nests colonially on sandy, earthen, or rocky substrates on isolated islands in freshwater lakes; minimal disturbance from predators; access to foraging areas on inland marshes, lakes, or rivers; winters on shallow coastal bays, inlets, and estuaries	Not expected to occur. No suitable habitat is present.
Piranga rubra (nesting)	summer tanager	None/SSC	Nests and forages in mature desert riparian habitats dominated by cottonwoods and willows	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Plegadis chihi (nesting colony)	white-faced ibis	None/WL	Nests in shallow marshes with areas of emergent vegetation; winter foraging in shallow lacustrine waters, flooded agricultural fields, muddy ground of wet meadows, marshes, ponds, lakes, rivers, flooded fields, and estuaries	Not expected to occur. No suitable habitat is present.
Polioptila californica californica	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. No suitable habitat is present.
Pyrocephalus rubinus (nesting)	vermilion flycatcher	None/SSC	Nests in riparian woodlands, riparian scrub, and freshwater marshes; typical desert riparian with cottonwood, willow, mesquite adjacent to irrigated fields, ditches, or pastures	Not expected to occur. No suitable habitat is present.
Setophaga petechia (nesting)	yellow warbler	None/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. No suitable habitat is present.
Strix occidentalis occidentalis	California spotted owl	BCC/SSC	Nests and forages in dense, old-growth, multi-layered mixed-conifer, redwood, and Douglas-fir habitats	Not expected to occur. No suitable habitat is present.
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Xanthocephalus xanthocephalus (nesting)	yellow-headed blackbird	None/SSC	Nests in marshes with tall emergent vegetation, often along borders of lakes and ponds; forages in emergent wetlands, open areas, croplands, and muddy shores of lacustrine habitat	Not expected to occur. No suitable habitat is present.
Nannopterum auritum (nesting colony)	double-crested cormorant	None/WL	Nests in riparian trees near ponds, lakes, artificial impoundments, slow-moving rivers, lagoons, estuaries, and open coastlines; winter habitat includes lakes, rivers, and coastal areas	Not expected to occur. No suitable habitat is present.
Fish				
Catostomus santaanae	Santa Ana sucker	FT/SSC	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	Not expected to occur. No suitable vegetation present.
Gila orcuttii	arroyo chub	None/SSC	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths >40 centimeters (16 inches); substrates of sand or mud	Not expected to occur. No suitable vegetation present.
Oncorhynchus mykiss irideus pop. 10	southern steelhead - southern California DPS	FE/SCE	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Not expected to occur. No suitable vegetation present.
Rhinichthys gabrielino	Santa Ana speckled dace	FPT/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	Not expected to occur. No suitable vegetation present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Mammals				
Antrozous pallidus	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	Not expected to occur. No suitable habitat is present.
Bassariscus astutus octavus	southern California ringtail	None/FP	Mixed forests and shrublands near rocky areas or riparian habitats; forages near water and is seldom found more than 1 kilometer (0.62 mile) from a water source	Not expected to occur. No suitable habitat is present.
Dasypterus xanthinus	western yellow bat	None/SSC	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. No suitable habitat is present.
Dipodomys merriami parvus	San Bernardino kangaroo rat	FE/SSC, SE	Sparse scrub habitat, alluvial scrub/coastal scrub habitats on gravelly and sandy soils near river and stream terraces	Not expected to occur. No suitable habitat is present.
Dipodomys stephensi	Stephens' kangaroo rat	FT/ST	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	Not expected to occur. No suitable habitat is present.
Euderma maculatum	spotted bat	None/SSC	Foothills, mountains, desert regions of southern California, including arid deserts, grasslands, and mixed-conifer forests; roosts in rock crevices and cliffs; feeds over water and along washes	Not expected to occur. No suitable habitat is present.
Eumops perotis californicus	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Neotoma lepida intermedia	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. No suitable habitat is present.
Nyctinomops femorosaccus	pocketed free-tailed bat	None/SSC	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. No suitable habitat is present.
Nyctinomops macrotis	big free-tailed bat	None/SSC	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Not expected to occur. No suitable habitat is present.
Onychomys torridus ramona	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	Not expected to occur. No suitable habitat is present.
Ovis canadensis nelsoni	Nelson's bighorn sheep	None/FP	Steep slopes and cliffs, rough and rocky topography, sparse vegetation; also canyons, washes, and alluvial fans	Not expected to occur. No suitable habitat is present.
Perognathus longimembris brevinasus	Los Angeles pocket mouse	None/SSC	Lower-elevation grassland, alluvial sage scrub, and coastal scrub	Not expected to occur. No suitable habitat is present.
Taxidea taxus	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. No suitable habitat is present.
Lasiurus frantzii	western red bat	None/SSC	Forest, woodland, riparian, mesquite bosque, and orchards, including fig, apricot, peach, pear, almond, walnut, and orange; roosts in tree canopy	Not expected to occur. No suitable habitat is present.
Invertebrates				
Bombus crotchii	Crotch’s bumble bee	None/SCE	Open grassland and scrub communities supporting suitable floral resources	Not expected to occur. No suitable habitat is present.
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	FE/None	Delhi fine sandy soils and dunes, scrub and ruderal vegetation in the sand verbena series with <50% cover	Not expected to occur. No suitable habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Danaus plexippus plexippus pop. 1	monarch - California overwintering population	FC/None	Wind-protected tree groves with nectar sources and nearby water sources	Not expected to occur. No suitable habitat is present.

Notes:
Status Designations
Federal
BCC: USFWS—Birds of Conservation Concern
FE: Federally listed as endangered
FPD: Federally proposed for delisting
FPT: Federally proposed for listing as threatened
FT: Federally listed as threatened
FC: Federal candidate species (former Category 1 candidates)
State
FP: California Fully Protected species
SCE: State candidate for listing as endangered
SC: State candidate for listing as endangered or threatened
SE: State listed as endangered
SSC: California Species of Special Concern
ST: State listed as threatened
WL: CDFW Watch List species

Appendix D

Cultural Resources Inventory Report

DUDEK
225 SOUTH LAKE AVENUE
SUITE M210
PASADENA, CALIFORNIA 91101
T 626.204.9800

November 15, 2024 16305

Natalie Avila
City of Chino
Public Works Department
13220 Central Avenue
Chino, California 91710

Subject: Cultural Resources Inventory Report for the Benson Reservoir Replacement and Improvements Project, City of Chino, California

Dear Natalie Avila:

This letter documents the cultural resources inventory conducted by Dudek for the Benson Reservoir Replacement and Improvements Project (Project), located in the City of Chino, California (Figure 1, Project Location). The Project entails constructing and operating a replacement for the existing Benson Reservoir within the Benson Water Treatment Plant complex, connecting the replacement reservoir to the system, and demolishing the existing reservoir. The City of Chino (City) is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA). In accordance with CEQA, Dudek performed a cultural resources inventory for the entire Project area. The Project area consists of an approximately 4.6-acre rectangular parcel owned by the City that houses components of its public water system (Figure 2, Project Area).

Dudek conducted a records search for the proposed Project including a surrounding 1-mile radius at the South Central Coastal Information Center (SCCIC). The records search did not identify any cultural resources within the Project area or 1-mile radius. Dudek requested a Native American Heritage Commission (NAHC) Sacred Lands File (SLF) search, and the results were negative for Native American cultural resources within 1 mile of the Project area. The pedestrian survey did not identify any archaeological resources within the Project area. Based on archival review, the Project area has been disturbed from previous agricultural activities and the construction of the Benson Water Treatment Plant complex. However, one historic-age structure (e.g., water tank) is located in the Project area; the structure is over 50 years old and considered a built environment resource.

Based on the current condition of the Project area, the negative archaeological survey, negative SCCIC results and NAHC SLF, archaeological and Native American monitoring is not recommended for the Project. The Project is unlikely to impact undiscovered cultural resources. In the unlikely event that cultural resources are encountered during exposure of subsurface soils, ground-disturbing work should be immediately halted in the area and a qualified archaeologist should be retained to evaluate the resources. However, there is a historic-age structure (e.g., water tank) located in the Project area; the structure is over 50 years old and considered a built environment resource. Based on best practice standards, it is recommended that a qualified Architectural Historian be retained to inventory and evaluate the historical significance of the resources for CRHR and NRHP listing. However, it should be noted that built environment features and structures of this type are unlikely to meet significance criteria required for CRHR and NRHP listing.

1 Project Description and Location

The Project is located in the northern portion of Chino, in southwestern San Bernardino County, California. The Project is bounded by Benson Avenue on the east, which represents a portion of Chino's municipal boundary with the City of Ontario. The Project falls within Section 35 of Township 1 South, Range 8 West, of the Ontario, California 7.5-minute Quadrangle (Figure 1).

The Project entails constructing and operating a replacement for the existing Benson Reservoir within the Benson Water Treatment Plant complex, connecting the replacement reservoir to the system, and demolishing the existing reservoir. The Project area consists of an approximately 4.6-acre rectangular parcel owned by the City that houses components of its public water system (Figure 2). The Project area is surrounded by a combination of masonry block wall and steel chain link fence, with a gated driveway access off Benson Avenue. The Project area is flat and is developed with existing components of the City's water system, along with several mature, ornamental trees and scattered non-native shrubs. On-site access for maintenance vehicles includes a combination of asphalt-paved roads and unpaved paths. A retention basin that captures stormwater runoff from the Project area and overflow from the existing reservoir is located in the central-southern portion of the Project area.

2 Regulatory Framework

2.1 The California Register of Historic Resources (Public Resources Code Section 5020 et seq.)

Under CEQA, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code Section 5020.1[j]). In 1992, the California legislature established CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (California Public Resources Code Section 5024.1[a]). A resource is eligible for listing in the CRHR if the State Historical Resources Commission determines that it is a significant resource and that it meets any of the following National Register of Historic Places (NRHP) criteria (California Public Resources Code Section 5024.1[c]):

- Associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
- Associated with the lives of persons important in our past.
- Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- Has yielded, or may be likely to yield, information important in prehistory or history.

Resources less than 50 years old are not considered for listing in the CRHR but may be considered if it can be demonstrated that sufficient time has passed to understand the historical importance of the resource (see 14 CCR Section 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing on the NRHP are automatically listed on the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys. The State Historic Preservation Officer maintains the CRHR.

2.2 Native American Historic Cultural Sites (California Public Resources Code Section 5097 et seq.)

State law addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the NAHC to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy an Indian historic or cultural site that is listed or may be eligible for listing in the CRHR.

2.3 California Native American Graves Protection and Repatriation Act

The California Native American Graves Protection and Repatriation Act (California Repatriation Act), enacted in 2001, required all state agencies and museums that receive state funding and that have possession or control over collections of human remains or cultural items, as defined, to complete an inventory and summary of these remains and items on or before January 1, 2003, with certain exceptions. The California Repatriation Act also provides a process for the identification and repatriation of these items to the appropriate tribes.

2.4 California Environmental Quality Act

As described further below, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological and historic resources:

1. California Public Resources Code Section 21083.2(g): Defines “unique archaeological resource.”
2. California Public Resources Code Section 21084.1 and CEQA Guidelines Section 15064.5(a): Define historical resources. In addition, CEQA Guidelines Section 15064.5(b) defines the phrase “substantial adverse change in the significance of an historical resource;” it also defines the circumstances when a project would materially impair the significance of a historical resource.
3. California Public Resources Code Section 5097.98 and CEQA Guidelines Section 15064.5(e): Set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.

4. California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4: Provide information regarding the mitigation framework for archaeological and historic resources, including options of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context, and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5[b]). If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code Section 5024.1[q]), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5[a]). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5[a]).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5[b][1]; California Public Resources Code Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

See Section 2.7, below, for a discussion of the CEQA Guidelines for determining significance and mitigating impacts to unique archaeological resources.

2.5 California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98.

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (California Health and Safety Code Section 7050.5[b]). If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the NAHC within 24 hours (California Health and Safety Code Section 7050.5[c]). In accordance with California Public Resources Code Section 5097.98(a), the NAHC will notify the Most Likely Descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. Within 48 hours of being granted access to the site, the MLD may recommend means of treatment or disposition, with appropriate dignity, of the human remains and associated grave goods.

2.6 Assembly Bill 52

California Assembly Bill 52, which took effect July 1, 2015, establishes a consultation process between California Native American Tribes and lead agencies in order to address tribal concerns regarding project impacts and mitigation to "tribal cultural resources" (TCR). Public Resources Code Section 21074(a) defines TCRs and states that a project that has the potential to cause a substantial adverse change to a TCR is a project that may have an adverse effect on the environment. A TCR is defined as a site, feature, place, cultural landscape, sacred place, and object with cultural value to a California Native American tribe that is either:

1. listed or eligible for listing in the CRHR or a local register of historical resources, or
2. determined by a lead agency to be a TCR.

2.7 Guidelines for Determining Significance

According to CEQA (Section 15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change:

> Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.

The significance of an historical resource is materially impaired when a project:

- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR; or
- Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

- When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
- If a lead agency determines that the archaeological site is a historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, and this section, Section 15126.4 of the Guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
- If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c–f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
- If an archaeological resource is neither a unique archaeological nor a historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report (EIR), if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5(d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

> When an initial study identifies the existence of, or the probable likelihood of, Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains, and any items associated with Native American burials with the

> appropriate Native Americans as identified by the Native American Heritage Commission. Action implementing such an agreement is exempt from:
>
> 1. The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5); and
> 2. The requirement of CEQA and the Coastal Act.

Under CEQA, an EIR is required to evaluate any impacts on unique archaeological resources (California Public Resources Code Section 21083.2.) A "unique archaeological resource" is defined as follows (California Public Resources Code Section 21083.2[g]):

> [A]n archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
>
> 1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
> 2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
> 3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

An impact to a non-unique archaeological resource is not considered a significant environmental impact and such non-unique resources need not be further addressed in the EIR (Public Resources Code Section 21083.2[a]; CEQA Guidelines Section 15064.5[c][4]).

As stated above, CEQA contains rules for mitigation of "unique archaeological resources." For example, "[i]f it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts to be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. Examples of that treatment, in no order of preference, may include, but are not limited to, any of the following (Pub. Resources Code section 21083.2[b][1]–[4]):

1. Planning construction to avoid archaeological sites.
2. Deeding archaeological sites into permanent conservation easements.
3. Capping or covering archaeological sites with a layer of soil before building on the sites.
4. Planning parks, greenspace, or other open space to incorporate archaeological sites.

Public Resources Code Section 21083.2(d) states that "[e]xcavation as mitigation shall be restricted to those parts of the unique archaeological resource that would be damaged or destroyed by the project. Excavation as mitigation shall not be required for a unique archaeological resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the resource, if this determination is documented in the environmental impact report."

The rules for mitigating impacts to archaeological resources to qualify as "historic resources" are slightly different. According to CEQA Guidelines Section 15126.4(b), "[p]ublic agencies should, whenever feasible, seek to avoid damaging effects on any historic resource of an archaeological nature. The following factors shall be considered and discussed in an EIR for a project involving such an archaeological site:

A. Preservation in place is the preferred manner of mitigating impacts to archaeological sites. Preservation in place maintains the relationship between artifacts and the archaeological context. Preservation may also avoid conflict with religious or cultural values of groups associated with the site.
B. Preservation in place may be accomplished by, but is not limited to, the following:
    1. Planning construction to avoid archaeological sites;
    2. Incorporation of sites within parks, greenspace, or other open space;
    3. Covering the archaeological sites with a layer of chemically stable soil before building tennis courts, parking lots, or similar facilities on the site[; and]
    4. Deeding the site into a permanent conservation easement.

Thus, although Section 21083.2 of the Public Resources Code, in addressing "unique archaeological sites," provides for specific mitigation options "in no order of preference," CEQA Guidelines Section 15126.4(b), in addressing "historical resources of an archaeological nature," provides that "[p]reservation in place is the preferred manner of mitigating impacts to archaeological sites."

Under CEQA, "[w]hen data recovery through excavation is the only feasible mitigation," the lead agency may cause to be prepared and adopt a "data recovery plan," prior to any excavation being undertaken. The data recovery plan must make "provision for adequately recovering the scientifically consequential information from and about the historic resource" (CEQA Guidelines Section 15126.4[b][3][C]). The data recovery plan also "must be deposited with the California Historical Resources Regional Information Center." (*Ibid*.) Further, "[i]f an artifact must be removed during project excavation or testing, curation may be an appropriate mitigation." (*Ibid*.)

However, "[d]ata recovery shall not be required for an historical resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the archaeological or historic resource, provided that determination is documented in the EIR and that the studies are deposited with the California Historical Resources Regional Information Center" (CEQA Guidelines Section 15126.4[b][3][D]).

2.8 City of Chino General Plan

The Open Space and Conservation Element of the City's General Plan describes the cultural and historic resources regulatory framework, and policies and plans to protect such resources (City of Chino 2010). The planning goals and policies are described below.

The City of Chino Goal OSC-7, in the Goals, Objectives, Policies, and Actions section, consists of seven policies and three actions to assist in the preservation of historical, paleontological, and archaeological.

Policies

P1. The City shall ensure that identified cultural and historic landmarks and buildings are preserved, unless the City finds that such preservation is economically infeasible.

P2. The City shall require the architectural details and design elements of historic structures to be preserved during renovations and remodels.

P3. In the event that unknown archaeological or paleontological resources are discovered during construction, the Planning Division shall be notified immediately. All construction shall stop and an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards in prehistoric or historical archaeology should be retained to evaluate the discovered resources and recommend appropriate action.

P4. If Native American artifacts are discovered on a site, the City shall consult representatives of the Native American community to ensure the respectful treatment of Native American sacred places.

P5. Where applicable, any human remains discovered during implementation of public and private projects within the Planning Area should be treated with respect and dignity and should fully comply with the California Native American Graves Protection and Repatriation Act and other appropriate laws.

P6. Where applicable, the City shall support access to and ceremonial use by Native American religious practitioners of Native American sacred sites located in Chino.

P7. The City shall continue to consult with tribes as required by Senate Bill 18. In so doing, the City shall use appropriate procedures to accommodate tribal concerns when a tribe has a religious prohibition against revealing precise information about the location or practice at a particular sacred site.

Actions

A1. Work with the Chino Valley Historical Society to develop a historical resources survey, including identifying key historic buildings to be prioritized for public use and preservation.

A2. Study neighborhoods with a significant number of buildings over 50 years old to determine whether historic districts should be established.

A3. Work with the Chino Valley Historical Society and the Chino Valley Unified School District to find opportunities through community events to educate children about the City's history.

The City's goal is to "preserve Chino's connection to its history" in compliance with CEQA guidelines (City of Chino 2010).

2.9 San Bernardino County Countywide Plan

San Bernardino County's Countywide Plan, adopted in 2011, contains a Cultural Resources Element that establishes the County's purpose, principles, goals, and policies for the management of archaeological sites, sacred landscapes, historic buildings, and paleontological resources located in the unincorporated portions of the County. An outline of the County's Cultural Resources Element is provided below (San Bernardino County 2020).

Purpose

- Establish Direction on notification, coordination, and partnerships to preserve and conserve cultural resources.
- Provide guidance on how new development can avoid or minimize impacts on cultural resources.
- Provide direction on increasing public awareness and education efforts about cultural resources.

Principles

We believe:

- Today's generation are stewards of the county's cultural history and are responsible for conserving it for future generations.
- Preserving and celebrating cultural resources enhances our understanding of the world in which we live.
- Cultural resources are valuable assets that attract visitors and support local businesses.

Goal CR-1. Tribal Cultural Resources. Tribal cultural resources that are preserved and celebrated out of respect for Native American beliefs and traditions.

Policy CR-1.1. Tribal Notification and Coordination. We notify and coordinate with tribal representatives in accordance with state and federal laws to strengthen our working relationship with area tribes, avoid inadvertent discoveries of Native American archaeological sites and burials, assist with the treatment and disposition of inadvertent discoveries, and explore options of avoidance of cultural resources early in the planning process.

Policy CR-1.2. Tribal Planning. We will collaborate with local tribes on countywide planning efforts and, as permitted or required, planning efforts initiated by local tribes.

Policy CR-1.3. Mitigation and Avoidance. We consult with local tribes to establish appropriate project-specific mitigation measures and resource-specific treatment of potential cultural resources. We require project applicants to design projects to avoid known tribal cultural resources, whenever possible. If avoidance is not possible, we require appropriate mitigation to minimize project impacts on tribal cultural resources.

Policy CR-1.4. Resource Monitoring. We encourage active participation by local tribes as monitors in surveys, testing, excavation, and grading phases of development projects with potential impacts on tribal resources.

Goal CR-2. Historic and Paleontological Resources. Historic resources (buildings, structures, or archaeological resources) and paleontological resources that are protected and preserved for their cultural importance to local communities as well as their research and educational potential.

Policy CR-2.1. National and State Historic Resources. We encourage the preservation of archaeological sites and structures of state or national significance in accordance with the Secretary of Interior's standards.

Policy CR-2.2. Local Historic Resources. We encourage property owners to maintain the historic integrity of resources on their property by (listed in order of preference): preservation, adaptive reuse, or memorialization.

Policy CR-2.3. Paleontological and Archaeological Resources. We strive to protect paleontological and archaeological resources from loss or destruction by requiring that new development include appropriate mitigation to preserve the quality and integrity of these resources. We require new development to avoid paleontological and archeological resources whenever possible. If avoidance is not possible, we require the salvage and preservation of paleontological and archeological resources.

Policy CR-2.4. Partnerships. We encourage partnerships to champion and financially support the preservation and restoration of historic sites, structures, and districts.

Policy CR-2.5. Public Awareness and Education. We increase public awareness and conduct education efforts about the unique historic, natural, tribal, and cultural resources in San Bernardino County through the County Museum and in collaboration with other entities.

3 Results

3.1 Records Search

Dudek conducted a California Historical Resources Information Systems (CHRIS) records search of the Project area and a 1-mile radius at the South Central Coastal Information Center (SCCIC) on October 10, 2024. The records search results identified that a total of 12 previous cultural resources studies have been conducted within 1 mile of the Project area (Table 1). The Project area has not been previously studied as none of the 12 previous cultural resources studies intersect the Project area. The SCCIC records search did not identify any cultural resources within the Project area or 1 mile of the Project area. The results of the records search and all DPR forms are attached as part of Confidential Appendix A, SCCIC Records Search Results.

Table 1. Cultural Resources Studies within 1 Mile of Project Area

Report Number	Authors	Date	Title
Outside Project Area			
SB-00456	HEARN, JOSEPH E.	1976	ARCHAEOLOGICAL - HISTORICAL RESOURCES ASSESSMENT OF LAND AREA BOUNDED BY CENTRAL AVENUE ON THE WEST, FRANCIS STREET ON THE SOUTH, VERNON AVENUE ON THE EAST, AND PHILLIPS STREET ON THE NORTH
SB-00550	HEARN, JOSEPH E.	1977	CULTURAL RESOURCE EVALUATION OF THE AREA OF TENTATIVE TRACT #10126, RANCHO SANTA ANA DEL CHINO
SB-00866	SAN BERNARDINO COUNTY MUSEUM ASSOCIATION	1979	CULTURAL RESOURCES ASSESSMENT: CENTRAL AVENUE AT PHILLIPS BOULEVARD, HO 7304
SB-03565	DUKE, CURT	1999	CULTURAL RESOURCE ASSESSMENT FOR PBMS FACILITY CM 353-01, COUNTY OF SAN BERNARDINO, CA. 4PP
SB-04095	FULTON, PHIL and CAPRICE D. HARPER	2004	CUTURAL RESOURCE ASSESSMENT: CINGULAR WIRELESS FACILITY NO. SB 281-01, ONTARIO, SAN BERNARDINO COUNTY, CA. 15PP
SB-04499	GORDON, BETH	2005	HISTORIC RESOURCES REPORT: LSANCA 8121/NAROD SUBSTATION, 1465 S. OAKS AVE, ONTARIO, SAN BERNARDINO COUNTY, CA. 14PP
SB-04511	AISLIN-KAY, MARNIE	2005	CULTURAL RESOURCES RECORDS SEARCH & SITE VISIT RESULTS FOR CINGULAR TELECOMUNICATIONS FACILITY CANDIDATE CM-353-01 (SV005-01), BEST WESTERN HOTEL, 12018 CENTRAL AVE, CHINO, SAN BERNARDINO COUNTY, CA. 12PP
SB-04710	BONNER, WAYNE H. AND MARNIE AISLIN-KAY	2006	CULTURAL RESOURCE RECORDS SEARCH AND SITE VISIT RESULTS FOR CINGULAR TELECOMMUNICATIONS FACILITY CANDIDATE SV-005-03 (PATRICK GRABOWSKI), 12018 CENTRAL AVENUE, CHINO, SAN BERNARDINO COUNTY, CALIFORNIA.
SB-06787	TANG, BAI "TOM', DEIRDRE ENCARNACION, AND DANIEL BALLESTER	2008	HISTORICAL/ARCHAEOLOGICAL RESOURCES SURVEY REPORT: CHINO GROUNDWATER BASIN DRY-YEAR YIELD PROGRAM EXPANSION, LOS ANGELES, RIVERSIDE AND SAN BERNARDINO COUNTIES, CALIFORNIA.
SB-07073	WLODARSKI, ROBERT J.	2011	RECORDS SEARCH RESULTS FOR THE PROPOSED AT&T WIRELESS TELECOMMUNICATIONS SITE SV005 (12018 CENTRAL AVENUE), CHINO, SAN BERNARDINO COUNTY, CALIFORNIA.
SB-07778	STROPES, TRACY A. AND BRIAN F. SMITH	2014	PHASE I CULTURAL RESOURCES SURVEY FOR THE CENTRAL AND FRANCIS RESIDENTIAL PROJECT, CITY OF CHINO, CALIFORNIA.

Table 1. Cultural Resources Studies within 1 Mile of Project Area

Report Number	Authors	Date	Title
SB-07900	STRUDWICK, IVAN	2013	RESULTS OF THE PREHISTORIC CULTURAL RESOURCE ASSESSMENT SURVEY FOR THE STRATHAM COMPANY 9.17-ACRE CENTRAL AVENUE PROJECT, ASSESSOR'S PARCEL NUMBER 1014-271-01, CITY OF CHINO, SAN BERNARDINO COUNTY, CALIFORNIA

3.2 Archival Research

In addition to the SCCIC records search, Dudek conducted an online review of historical aerial photographs and historical topographic maps to better understand the development of the Project area and surrounding vicinity over time.

Historical Topographic Maps

Historic topographic maps of the Project area were reviewed (earliest map available is 1897). The historic topographic (topo) map from 1942 reveals one structure located within the eastern section of the Project area. The 1955 topo map reveals two structures located within the eastern section of the Project area. The 1969 topo map shows the two structures are no longer observed within the Project area and in the center is a circular dot with the letters "WT" next to it, suggesting this represents the water tank. The 1982 topo map shows an additional two structures south of the water tank feature within the Project area. A review of the historic topo maps reveals there is a historic-age structure located within the Project area.

Historical Aerial Photographs

Historic aerial photographs of the Project area were available from 1938 to 2022 (NETR 2024). The 1938 historic aerial photograph revealed that the Project area and surrounding vicinity consisted of agricultural lands. A building is observed within the northeastern section of the Project area, and an additional building is located in the southeastern section of the Project area. On the 1959 historic aerial photograph, the two buildings are no longer observed. On the 1965 historic aerial photograph, a water tank is observed within the center of the Project area. The 1972 aerial photograph reveals a retention basin south of the water tank. On the 1980 aerial photograph, a structure is observed within the southwestern section of the Project area, and another structure is observed in the southcentral section of the Project area. On the 1992 aerial photograph, two additional structures are now observed; one is located immediately east of the retention basin, and one is located immediately north of the well feature. On the 1995 aerial photograph, a structure is observed in the northeastern section of the Project area. On the 2005 aerial photograph, a large structure is observed to the west of the water tank. The 2009 to 2022 aerial photography reflect the current conditions of the Project area. A review of the historic aerials reveals the Project area has undergone ground-disturbing activities as it transitioned from an agricultural field into a water treatment plant. Based on a review of historic aerials, one historic-age structure is located within the Project area.

3.3 Native American Heritage Commission and Tribal Correspondence

Dudek requested a NAHC search of the SLF on October 22, 2024, for the Project area. The SLF consists of a database of known Native American resources. These resources may not be included in the SCCIC database. The NAHC replied via email on November 8, 2024, stating that the SLF search was completed with negative results (Appendix B, NAHC Correspondence and Tribal Outreach). Additionally, the NAHC provided a list of Native American tribes and individuals/organizations with traditional geographic associations that might have knowledge of cultural resources in the Project area.

In compliance with Assembly Bill 52, the City, as lead agency, is responsible for conducting government to government consultation with pertinent tribal entities.

3.4 Intensive Pedestrian Survey

Dudek archaeologist Brenda Rogers conducted an intensive level pedestrian survey of the Project area on October 17, 2024. All survey work was conducted employing standard archaeological procedures and techniques consistent with the Secretary of the Interior Standards. Wherever possible, the survey was conducted in parallel transects, spaced no more than 5 meters apart. Within the transects, the ground surface was examined for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of the current or former presence of structures or buildings (e.g., standing exterior walls, post holes, foundations), and historic artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as burrows, cut banks, and drainages were also visually inspected for exposed subsurface materials.

The Project area is a developed water treatment plant, with associated buildings, tanks, and infrastructure. One large water tank is located in the center (Figure 3, View of Water Tank Within Project Area, View Facing Northeast), and to the east are rows of smaller tanks, alongside a large main structure and a smaller building to the south. There are four structures in the Project area, as well as surface and buried pipes. A concrete culvert runs along the south border of the Project area, from the southwest corner to just past the midpoint, leading to a retention basin. The drainage area, approximately 25 by 25 meters, associated with the large water tank, is currently filled with standing water and cattails. A paved loop entrance road leads to the southwest corner, the location of one of the structures, and past the main structure and large water tank. The remaining space, approximately 60% of the Project area consists of open dirt and gravel. Ground visibility in these areas was good (80%–90%). Soils observed were a brown sandy silt and silty sand with sub angular and angular rocks.

Approximately half of the open areas to the east and west of the main building and large water tank are used for dumping spoils from vacuum excavations in the local area. There was evidence of dumping fill soils and gravels to the west (Figure 4, Graded Area with Dumped Gravels and Sediment, View Facing North), and tracks from excavation equipment. There were multiple piles of more freshly dumped fill dirt on the east side of the Project area, containing visible foundation fragments and modern trash. No archaeological resources were identified during the survey.

4 Summary and Management Considerations

4.1 Archaeological Recommendations

Dudek's cultural resources inventory of the Project indicates that there is low sensitivity for identifying subsurface archaeological deposits during Project implementation. A records search from the SCCIC did not identify any archaeological resources within the Project area. An intensive pedestrian survey did not identify any archaeological resources within the Project area. Based on archival review, the Project area has been disturbed from previous agricultural activities and the construction of the Benson Water Treatment Plant complex.

Based on the current condition of the Project area, the negative archaeological survey, negative SCCIC results and NAHC SLF request, archaeological and Native American monitoring is not recommended for the Project. The Project is unlikely to impact undiscovered cultural resources. In the unlikely event that cultural resources are encountered during the exposure of subsurface soils, ground-disturbing work should be immediately halted in the area and a qualified archaeologist should be retained to evaluate the resources. Additionally, there is a historic-age structure (e.g., water tank) located in the Project area; the structure is over 50 years old and considered a built environment resource. Based on best practice standards, it is recommended that a qualified Architectural Historian be retained to inventory and evaluate the historical significance of the resource for CRHR and NRHP listing. However, it should be noted that built environment features and structures of this type are unlikely to meet significance criteria required for CRHR and NRHP listing.

Unanticipated Discovery of Archaeological Resources

In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the Project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find. Construction activities may continue in other areas but should be redirected a safe distance from the find. If the new discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted. A data recovery plan shall be developed by the qualified archaeologist in consultation with the City and Native American representatives, if applicable. Ground disturbance can continue only after the resources has been properly mitigated and with approval by the City.

Unanticipated Discovery of Human Remains

In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the appropriate treatment and disposition of the human remains. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she shall notify the NAHC in Sacramento within 24 hours. In accordance with California Public Resources Code Section 5097.98, the NAHC must immediately notify the person or persons it believes to be the MLD from the deceased Native American. The MLD shall complete inspection within 48 hours of being granted access to the site and make recommendations for the treatment and disposition, in consultation with the property owner, of the human remains.

Should you have any questions relating to this report and its findings, please do not hesitate to contact me at 619.949.3082 or kmontifolca@dudek.com.

Respectfully submitted,

Keshia Montifolca, MA, RPA
Project Archaeologist

Ryan J. Glenn, MA, RPA
Archaeological Principal Investigator

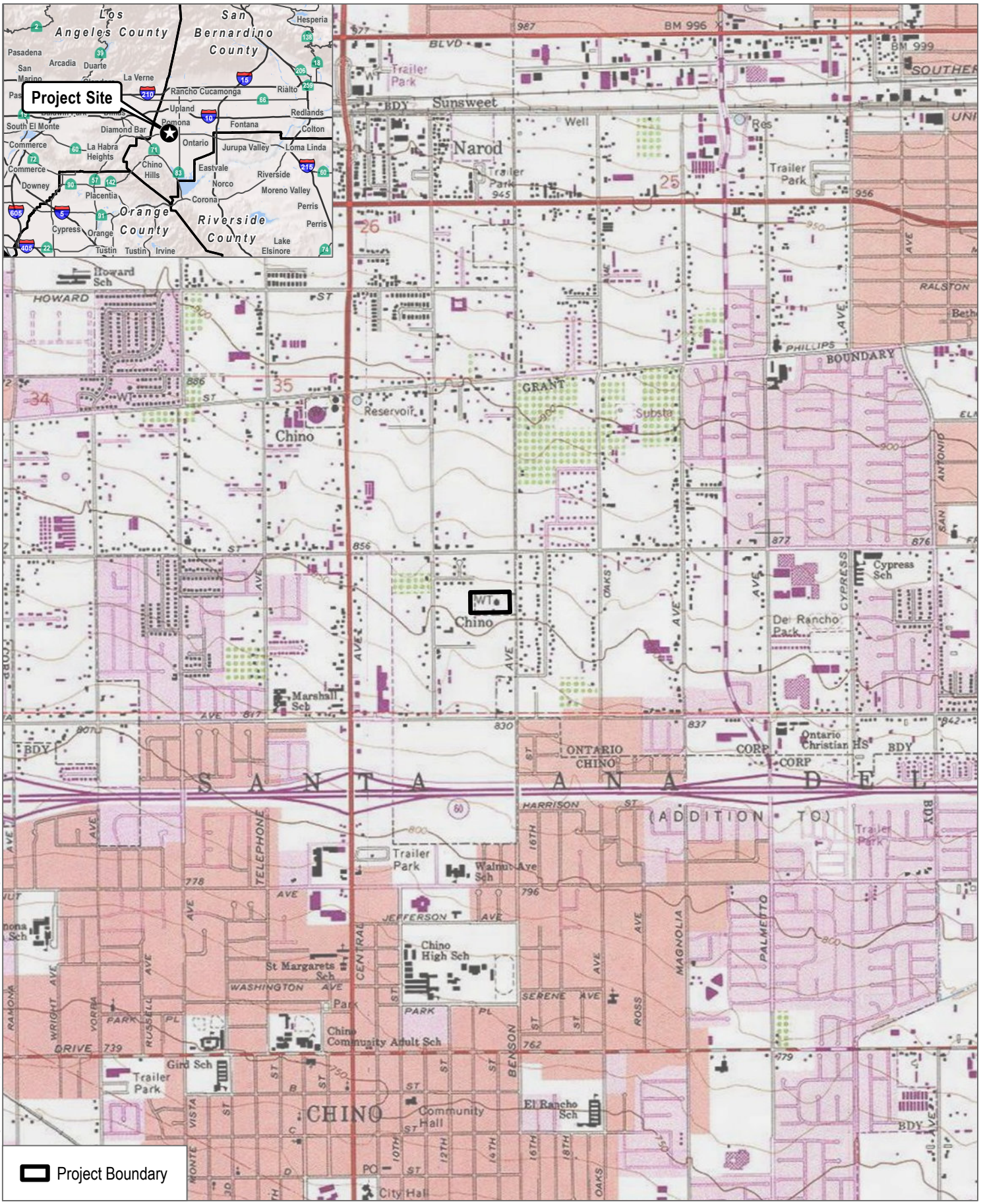
Att.: *Figure 1, Project Location*
Figure 2, Project Area
Figure 3, View of Water Tank Within Project Area, View Facing Northeast
Figure 4, Graded Area with Dumped Gravels and Sediment, View Facing North
National Archaeological Database (NADB) Information
Confidential Appendix A, SCCIC Records Search Results
Appendix B, NAHC Correspondence and Tribal Outreach
cc: *Ryan J. Glenn, Dudek*

5 References

City of Chino. 2010. Envision Chino General Plan 2025 Open Space and Conservation Element. Accessed October 24, 2024. https://www.cityofchino.org/1673/General-Plan.

NETR (National Environmental Title Research). 2024. Address search for Benson Road, Chino, California. Accessed October 24, 2024. http://www.historicaerials.com/.

San Bernardino County. 2020. San Bernardino County Countywide Plan Cultural Resources Element. Accessed October 24, 2024. https://countywideplan.com/policy-plan/cultural-resources/.



SOURCE: USGS 7.5 Minute Series 1:24,000
Ontario Quadrangle - Township 1S Range 8W Section 35

DUDEK

0 1,000 2,000 Feet

0 280 560 Meters

FIGURE 1

Project Location

SOURCE: Esri World Imagery

0 15 30 Meters

0 62.5 125 Feet

DUDEK

FIGURE 2

Project Area

Figure 3. View of water tank within Project area, view facing northeast.

Figure 4. Graded area with dumped gravels and sediment, view facing north.

National Archaeological Database (NADB) Information

Authors:	Keshia Montifolca MA, RPA, and Ryan J. Glenn MA, RPA
Firm:	Dudek
Project Proponent:	City of Chino
Report Date:	November 2024
Report Title:	Archaeological Resources Inventory Report for the Benson Reservoir Replacement and Improvements Project
Type of Study:	Cultural Resources Inventory
Resources:	None
USGS Quads:	Ontario, California, Township 1 South, Range 8 West, Section 35
Acreage:	4.6
Permit Numbers:	N/A
Keywords:	Pedestrian Survey, Inventory, City of Chino, Benson Reservoir Replacement and Improvements, Negative for Archaeological Resources

Confidential Appendix A

SCCIC Records Search Results

Appendix B
NAHC Correspondence and Tribal Outreach

From: Ryan Glenn
Sent: Tuesday, October 22, 2024 2:42 AM
To: NAHC@NAHC
Subject: Sacred Lands File & NA Contact List Request - Benson Reservoir Project
Attachments: NAHC_SLF_request_BensonReservoir.pdf; NAHC_SLF_BensonReservoir_map.pdf

Hello NAHC,

Please see the attached request and map for the Benson Reservoir & Improvements Design & Bid Support Services Project.

Please let me know if you have any questions.

Thanks,

Ryan J. Glenn, MA, RPA
O: 626 204 9840 C: 425 213 2349
Archaeologist
dudek.com

Sacred Lands File & Native American Contacts List Request

Native American Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691
916-373-3710
916-373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: Benson Reservoir & Improvements Design & Bid Support Services Project

County: San Bernardino

USGS Quadrangle Name: Ontario

Township: 1S **Range:** 8W **Section(s):** 35

Company/Firm/Agency: Dudek

Street Address: 225 South Lake Avenue Suite M210

City: Pasadena **Zip:** 91101

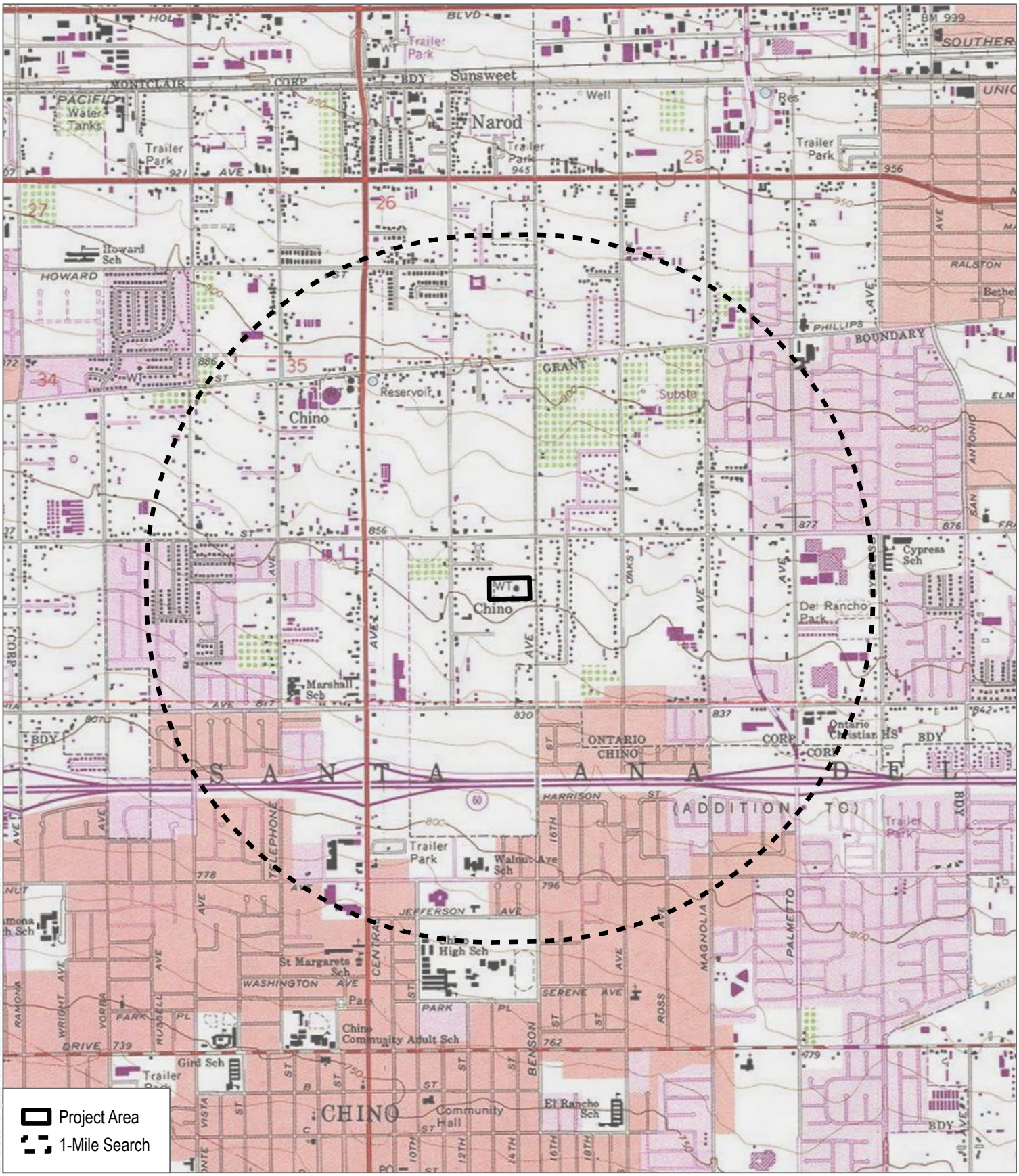
Phone: (425) 213-2349

Fax:

Email: rglenn@dudek.com

Project Description:

The project is replacement of the Benson Reservoir, an existing cylindrical tank, with a new, larger cylindrical tank. This would occur within the existing developed tank site (see attached map).



SOURCE: USGS 7.5-Minute Series Ontario Quadrangle - Township 1S Range 8W Section 35

DUDEK

Records Search

Benson Reservoir & Improvements Design & Bid Support Services Project

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

ACTING EXECUTIVE SECRETARY
Steven Quinn

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

November 8, 2024

Ryan Glenn
Dudek

Via Email to: rglenn@dudek.com

Re: Benson Reservoir & Improvements Design & Bid Support Services Project, San Bernardino County

To Whom It May Concern:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Bernardino County
11/8/2024

Tribe Name	F/N	Contact Person	Address	Phone	Email Address	Cultural Affiliation	Counties
Cahuilla Band of Indians	F	BobbyRay Esparza, Cultural Director	52701 CA Highway 371 Anza, CA, 92539	(951) 763-5549	besparza@cahuilla-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Cahuilla Band of Indians	F	Anthony Madrigal, Tribal Historic Preservation Officer	52701 CA Highway 371 Anza, CA, 92539	(951) 763-5549	anthonymad2002@gmail.com	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Cahuilla Band of Indians	F	Erica Schenk, Chairperson	52701 CA Highway 371 Anza, CA, 92539	(951) 590-0942	chair@cahuilla-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Gabrieleno Band of Mission Indians - Kizh Nation	N	Christina Swindall Martinez, Secretary	P.O. Box 393 Covina, CA, 91723	(844) 390-0787	admin@gabrielenoindians.org	Gabrieleno	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrieleno Band of Mission Indians - Kizh Nation	N	Andrew Salas, Chairperson	P.O. Box 393 Covina, CA, 91723	(844) 390-0787	admin@gabrielenoindians.org	Gabrieleno	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura

Tribe Name	F/N	Contact Person	Address	Phone	Email Address	Cultural Affiliation	Counties
Gabrieleno/Tongva San Gabriel Band of Mission Indians	N	Anthony Morales, Chairperson	P.O. Box 693 San Gabriel, CA, 91778	(626) 483-3564	GTTribalcouncil@aol.com	Gabrieleno	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino Tongva Indians of California Tribal Council	N	Robert Dorame, Chairperson	P.O. Box 490 Bellflower, CA, 90707	(562) 761-6417	gtongva@gmail.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino Tongva Indians of California Tribal Council	N	Christina Conley, Cultural Resource Administrator	P.O. Box 941078 Simi Valley, CA, 93094	(626) 407-8761	christina.marsden@alumni.usc.edu	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino/Tongva Nation	N	Sandonne Goad, Chairperson	106 1/2 Judge John Aiso St., #231 Los Angeles, CA, 90012	(951) 807-0479	sgoad@gabrielino-tongva.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino-Tongva Tribe	N	Charles Alvarez, Chairperson	23454 Vanowen Street West Hills, CA, 91307	(310) 403-6048	Chavez1956metro@gmail.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino-Tongva Tribe	N	Sam Dunlap, Cultural Resource Director	P.O. Box 3919 Seal Beach, CA, 90740	(909) 262-9351	tongvatcr@gmail.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura

Tribe Name	F/N	Contact Person	Address	Phone	Email Address	Cultural Affiliation	Counties
Morongo Band of Mission Indians	F	Robert Martin, Chairperson	12700 Pumarra Road Banning, CA, 92220	(951) 755-5110	abrierty@morongo-nsn.gov	Cahuilla Serrano	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego
Morongo Band of Mission Indians	F	Ann Brierty, THPO	12700 Pumarra Road Banning, CA, 92220	(951) 755-5259	abrierty@morongo-nsn.gov	Cahuilla Serrano	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego
Quechan Tribe of the Fort Yuma Reservation	F	Jordan Joaquin, President, Quechan Tribal Council	P.O.Box 1899 Yuma, AZ, 85366	(760) 919-3600	executivesecretary@quechantribe.com	Quechan	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego
Quechan Tribe of the Fort Yuma Reservation	F	Jill McCormick, Historic Preservation Officer	P.O. Box 1899 Yuma, AZ, 85366	(928) 261-0254	historicpreservation@quechantribe.com	Quechan	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego
Quechan Tribe of the Fort Yuma Reservation	F	Manfred Scott, Acting Chairman - Kw'ts'an Cultural Committee	P.O. Box 1899 Yuma, AZ, 85366	(928) 210-8739	culturalcommittee@quechantribe.com	Quechan	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego
San Manuel Band of Mission Indians	F	Alexandra McCleary, Senior Manager of Cultural Resources Management	26569 Community Center Drive Highland, CA, 92346	(909) 633-0054	alexandra.mccleary@sanmanuel-nsn.gov	Serrano	Kern, Los Angeles, Riverside, San Bernardino
Santa Rosa Band of Cahuilla Indians	F	Vanessa Minott, Tribal Administrator	P.O. Box 391820	(951) 659-2700	vminott@santarosa-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange,

Tribe Name	F/N	Contact Person	Address	Phone	Email Address	Cultural Affiliation	Counties
			Anza, CA, 92539				Riverside, San Bernardino, San Diego
Santa Rosa Band of Cahuilla Indians	F	Steven Estrada, Tribal Chairman	P.O. Box 391820 Anza, CA, 92539	(951) 659-2700	sestrada@santarosa-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Serrano Nation of Mission Indians	N	Wayne Walker, Co-Chairperson	P. O. Box 343 Patton, CA, 92369	(253) 370-0167	serranonation1@gmail.com	Serrano	Kern, Los Angeles, Riverside, San Bernardino
Serrano Nation of Mission Indians	N	Mark Cochrane, Co-Chairperson	P. O. Box 343 Patton, CA, 92369	(909) 578-2598	serranonation1@gmail.com	Serrano	Kern, Los Angeles, Riverside, San Bernardino
Soboba Band of Luiseno Indians	F	Joseph Ontiveros, Tribal Historic Preservation Officer	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-5279	jontiveros@soboba-nsn.gov	Cahuilla Luiseno	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Soboba Band of Luiseno Indians	F	Jessica Valdez, Cultural Resource Specialist	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-6261	jvaldez@soboba-nsn.gov	Cahuilla Luiseno	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Benson Reservoir & Improvements Design & Bid Support Services Project, San Bernardino County.

Appendix E
Noise Modeling Data

FORMS FIELD DATA REPORT

Field Noise Measurement Data

Record: 2046	
Project Name	*Chino resevoir*
Observer(s)	
Date	*2025-02-21*

Meteorological Conditions	
Temp (F)	*71*
Humidity % (R.H.)	*23*
Wind	*Light*
Wind Speed (MPH)	*5*
Wind Direction	*West*
Sky	*Clear*

Instrument and Calibrator Information	
Instrument Name List	*(ENC) Rion NL-52*
Instrument Name	*(ENC) Rion NL-52*
Instrument Name Lookup Key	*(ENC) Rion NL-52*
Manufacturer	*Rion*
Model	*NL-52*
Serial Number	*553896*
Calibrator Name	*(ENC) LD CAL150*

Calibrator Name	*(ENC) LD CAL150*
Calibrator Name Lookup Key	*(ENC) LD CAL150*
Calibrator Manufacturer	*Larson Davis*
Calibrator Model	*LD CAL150*
Calibrator Serial #	*5152*
Pre-Test (dBA SPL)	*93.8*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*

Monitoring	
Record #	*1*
Site ID	*ST2*
Site Location Lat/Long	*34.039703, -117.683100*
Begin (Time)	*10:36:00*
End (Time)	*10:56:00*
Leq	*50.2*
Lmax	*69.1*
Lmin	*37.1*
Other Lx?	*L90, L50, L10*
L90	*40.1*
L50	*46.8*

L10	*54*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Conversations / Yelling, Distant Dog Barking, Distant Gardener / Landscape Noise, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing east*

Site Photos

Photo	
Comments / Description	*Facing north*

Site Photos

Photo	
Comments / Description	*Facing south*

Monitoring	
Record #	*2*
Site ID	*St1*
Site Location Lat/Long	*34.037791, -117.680730*
Begin (Time)	*11:06:00*
End (Time)	*11:21:00*
Leq	*68.1*
Lmax	*83.4*
Lmin	*45.7*
Other Lx?	*L90, L50, L10*
L90	*49.4*
L50	*60.4*
L10	*73.1*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Rustling Leaves*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Source Info and Traffic Counts	
Number of Lanes	*2*
Lane Width (feet)	*10*
Roadway Width (feet)	*20*
Roadway Width (m)	*6.1*
Distance to Roadway (feet)	*5*
Distance to Roadway (m)	*1.5*
Distance Measured to Centerline or Edge of Pavement?	*Edge of Pavement*
Estimated Vehicle Speed (MPH)	*0*

Traffic Counts	
Vehicle Count Summary	*A 106, MT 0, HT 0, B 0, MC 0*
Counting Both Directions?	*Yes*
Count Duration (minutes)	*0*
Vehicle Count Tally	
Select Method for Vehicle Counts	*Enter Manually*
Number of Vehicles - Autos	*106*
Number of Vehicles - Medium Trucks	*0*
Number of Vehicles - Heavy Trucks	*0*
Number of Vehicles - Buses	*0*
Number of Vehicles - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing north*

Site Photos

Photo	

Comments / Description	*Facing west*

Site Photos	
Photo	
Comments / Description	*South*

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 65

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demo Existing Tank	backhoe	1	40	78		165	0.1		64.0	2	120	54	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82		165	0.1		68.0	2	120	58	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	concrete saw	1	20	90		165	0.1		76.0	2	120	63	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Demo Existing Tank Phase:			**64.6**																
Mob and Cleaning	Grader	1	40	85		165	0.1		71.0	2	120	61	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	1	40	78		165	0.1		64.0	2	120	54	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	scraper	1	40	84		165	0.1		70.0	2	120	60	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Mob and Cleaning Phase:			**64.0**																
Landscape Fence	backhoe	1	40	78		165	0.1		64.0	2	120	54	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	man lift	1	20	75		165	0.1		61.0	2	120	48	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Landscape Fence Phase:			**55.0**																
Backfill and Compact	backhoe	1	40	78		165	0.1		64.0	2	120	54	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	compactor (ground)	1	20	80		165	0.1		66.0	2	120	53	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Backfill and Compact Phase:			**56.5**																
Site Drainage Improvements	backhoe	1	40	78		165	0.1		64.0	2	120	54	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	excavator	1	40	81		165	0.1		67.0	2	120	57	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	Front end loader	1	40	79		165	0.1		65.0	2	120	55	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Site Drainage Improvements Phase:			**54.0**																
Grading	Grader	1	40	85		165	0.1		71.0	2	120	61	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe		40	78		165	0.1		64.0	2	120	0	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer		40	82		165	0.1		68.0	2	120	0	5	5		160	5	165	160.1	7.1	165.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Grading Phase:			**61.0**																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 65

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demo Existing Tank	backhoe	1	40	78		40	15.2		64.7	2	120	55	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	dozer	1	40	82		40	15.2		68.7	2	120	59	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	concrete saw	1	20	90		40	15.2		76.7	2	120	64	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
									Total for Demo Existing Tank Phase:			**65.3**																
Mob and Cleaning	Grader	1	40	85		40	15.2		71.7	2	120	62	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	backhoe	1	40	78		40	15.2		64.7	2	120	55	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	scraper	1	40	84		40	15.2		70.7	2	120	61	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
									Total for Mob and Cleaning Phase:			**64.7**																
Landscape Fence	backhoe	1	40	78		40	15.2		64.7	2	120	55	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	man lift	1	20	75		40	15.2		61.7	2	120	49	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
									Total for Landscape Fence Phase:			**55.7**																
Backfill and Compact	backhoe	1	40	78		40	15.2		64.7	2	120	55	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	compactor (ground)	1	20	80		40	15.2		66.7	2	120	54	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
									Total for Backfill and Compact Phase:			**57.3**																
Site Drainage Improvements	backhoe	1	40	78		40	15.2		64.7	2	120	55	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	excavator	1	40	81		40	15.2		67.7	2	120	58	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	Front end loader	1	40	79		40	15.2		65.7	2	120	56	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
									Total for Site Drainage Improvements Phase:			**54.7**																
Grading	Grader	1	40	85		40	15.2		71.7	2	120	62	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	backhoe		40	78		40	15.2		64.7	2	120	0	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
	dozer		40	82		40	15.2		68.7	2	120	0	5	5	10	35	5	40	35.4	7.1	40.0	2.43	15.0	15.0	5.0	0.5	0.7	15.2
									Total for Grading Phase:			**61.7**																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 65

allowable hours over which Leq is to be averaged = 8

= temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demo Existing Tank	backhoe	1	40	78		40	0.1		79.8	2	120	70	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82		40	0.1		83.8	2	120	74	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	concrete saw	1	20	90		40	0.1		91.8	2	120	79	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
								Total for Demo Existing Tank Phase:				80.4																
Mob and Cleaning	Grader	1	40	85		40	0.1		86.8	2	120	77	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe	1	40	78		40	0.1		79.8	2	120	70	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	scraper	1	40	84		40	0.1		85.8	2	120	76	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
								Total for Mob and Cleaning Phase:				79.8																
Landscape Fence	backhoe	1	40	78		40	0.1		79.8	2	120	70	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	man lift	1	20	75		40	0.1		76.8	2	120	64	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
								Total for Landscape Fence Phase:				70.8																
Backfill and Compact	backhoe	1	40	78		40	0.1		79.8	2	120	70	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	compactor (ground)	1	20	80		40	0.1		81.8	2	120	69	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
								Total for Backfill and Compact Phase:				72.4																
Site Drainage Improvements	backhoe	1	40	78		40	0.1		79.8	2	120	70	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	excavator	1	40	81		40	0.1		82.8	2	120	73	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	Front end loader	1	40	79		40	0.1		80.8	2	120	71	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
								Total for Site Drainage Improvements Phase:				69.8																
Grading	Grader	1	40	85		40	0.1		86.8	2	120	77	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	backhoe		40	78		40	0.1		79.8	2	120	0	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer		40	82		40	0.1		83.8	2	120	0	5	5		35	5	40	35.4	7.1	40.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
								Total for Grading Phase:				76.8																

Equipment Description	Impact Device?	Acoustical Use Factor (%)	Lesser of or available Lmax	Spec. 721 Lmax	Measured L_{max} @50ft (dBA, slow)
All Other Equipment > 5 HP	No	50	85	85	-- N/A --
Auger Drill Rig	No	20	84	85	84
Backhoe	No	40	78	80	78
Bar Bender	No	20	80	80	-- N/A --
Blasting	Yes	-- N/A --	94	94	-- N/A --
Boring Jack Power Unit	No	50	80	80	83
Chain Saw	No	20	84	85	84
Clam Shovel (dropping)	Yes	20	87	93	87
Compactor (ground)	No	20	80	80	83
Compressor (air)	No	40	78	80	78
Concrete Batch Plant	No	15	83	83	-- N/A --
Concrete Mixer Truck	No	40	79	85	79
Concrete Pump Truck	No	20	81	82	81
Concrete Saw	No	20	90	90	90
Crane	No	16	81	85	81
Dozer	No	40	82	85	82
Drill Rig Truck	No	20	79	84	79
Drum Mixer	No	50	80	80	80
Dump Truck	No	40	76	84	76
Excavator	No	40	81	85	81
Flat Bed Truck	No	40	74	84	74
Front End Loader	No	40	79	80	79
Generator	No	50	72	72	81
Generator (<25KVA, VMS signs)	No	50	70	70	73
Gradall	No	40	83	85	83
Grader	No	40	85	85	-- N/A --
Grapple (on backhoe)	No	40	85	85	87
Horizontal Boring Hydr. Jack	No	25	80	80	82
Hydra Break Ram	Yes	10	90	90	-- N/A --
Impact Pile Driver	Yes	20	95	95	101
Jackhammer	Yes	20	85	85	89
Man Lift	No	20	75	85	75
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	90
Pavement Scarafier	No	20	85	85	90
Paver	No	50	77	85	77
Pickup Truck	No	40	55	55	75
Pneumatic Tools	No	50	85	85	85
Pumps	No	50	77	77	81
Refrigerator Unit	No	100	73	82	73
Rivit Buster/chipping gun	Yes	20	79	85	79
Rock Drill	No	20	81	85	81
Roller	No	20	80	85	80
Sand Blasting (Single Nozzle)	No	20	85	85	96
Scraper	No	40	84	85	84
Shears (on backhoe)	No	40	85	85	96
Slurry Plant	No	100	78	78	78
Slurry Trenching Machine	No	50	80	82	80
Soil Mix Drill Rig	No	50	80	80	-- N/A --
Tractor	No	40	84	84	-- N/A --
Vacuum Excavator (Vac-truck)	No	40	85	85	85
Vacuum Street Sweeper	No	10	80	80	82
Ventilation Fan	No	100	79	85	79
Vibrating Hopper	No	50	85	85	87
Vibratory Concrete Mixer	No	20	80	80	80
Vibratory Pile Driver	No	20	95	95	101
Warning Horn	No	5	83	85	83
Welder / Torch	No	40	73	73	74

RESOLUTION NO. PC2026-009

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CHINO, CALIFORNIA, APPROVING PL26-0026 (SPECIAL CONDITIONAL USE PERMIT) FOR THE CONSTRUCTION AND OPERATION OF A REPLACEMENT RESERVOIR FOR THE EXISTING BENSON RESERVOIR WITHIN THE CITY'S BENSON WATER TREATMENT PLANT, LOCATED AT 11840 SOUTH BENSON AVENUE (APN: 1014-401-06).

WHEREAS, City of Chino Public Works Department (the "Applicant"), has filed an application with the City of Chino (the "City") for approval of PL26-0026 (the "Project") for the construction and operation of a replacement reservoir for the existing Benson Reservoir within the City's Benson Water Treatment Plant, located at 11840 South Benson Avenue; and

WHEREAS, the Planning Commission of the City of Chino has completed its study of the proposed Project; and

WHEREAS**,** on May 20, 2026, the Planning Commission held a duly noticed public hearing for the Project in compliance with law, including compliance with the relevant provisions of the California Government Code and Chino Municipal Code, entertained the written and oral report of staff, and took public testimony on the Project, and

NOW, THEREFORE, the Planning Commission of the City of Chino, California, does hereby FIND, DETERMINE, and RESOLVE as follows:

A. The foregoing recitals are true and correct and incorporated herein.

B. Based on substantial evidence, both written and oral, from the public hearing, the Planning Commission makes the following findings and takes the following actions on PL26-0026 (Special Conditional Use Permit):

1. *PL26-0026 (Special Conditional Use Permit)*

    a. The proposed use is consistent with the goals and policies of the City's adopted General Plan and/or applicable specific plan(s), in that the project site is located within the Public (P) zoning district where utility stations are conditionally permitted. The Project is also consistent with Goal and Policies INF-6 of the General Plan, which calls for the City of Chino to provide reliable and efficient water services to new and existing development. The proposed water reservoir will store a larger volume of water to be readily available for residents and will be constructed to meet current seismic standards;

b. The subject site is physically suitable, including but not limited to, parcel size, shape, access and availability of utilities, for the type and intensity of use proposed, as the Project site is an existing publicly owned 4.6-acre parcel. The proposed water reservoir is located on a flat parcel of land at the rear of the existing lot and meets all minimum development standards set forth in the Public (P) zoning district;

c. The subject site relates to streets and highways properly designed, both as to width and type of pavement to carry the type and quantity of traffic generated by the proposed Project, as the site is an existing public property. Access to the site is from a residential collector street, Benson Avenue, which has been designed to carry the type of traffic visiting the site;

d. The proposed use is compatible with those on abutting properties and in the surrounding neighborhood, as large and mainly vacant properties surround the project site. The property to the north is a landscape supply company. The property to the south is currently vacant. The properties to the east and west are existing single-family residential;

e. The proposed location, size, and operating characteristics of the proposed use will not be detrimental to the public interest, health, safety or general welfare, as the proposed major utility is conditionally permitted in the P zoning district and has been designed to meet all minimum City requirements. In addition, certain safeguards have been required of the proposed Project, which the Planning Commission deems necessary to protect the public health, safety, and general welfare. These safeguards (conditions of approval) are attached to this resolution, and are described herein;

f. The proposed use will not have a significant adverse impact on the environment, as a Mitigated Negative Declaration (MND) (SCH#2026030443) has been prepared for the Benson Reservoir Replacement and Improvements Project by Dudek (dated March 2026) that was circulated for a 30-day review period from April 20, 2026 to May 20, 2026. The MND identified potentially significant environmental impacts to air quality, biological resources, cultural resources, geology and soils, noise, and tribal cultural resources which could occur as a result of the proposed project. However, mitigation measures have been identified that reduce impacts to less than significant levels. In accordance with state environmental law, the *Mitigation Monitoring Reporting Program (MMRP)* identifies each environmental mitigation measure, the time in which it will be implemented and the responsible party for monitoring its implementation. The MND satisfies the requirements of California Environmental Quality Act (CEQA) and the CEQA Guidelines (California Public Resources Code, Section 21000 et seq.; 14 CCR 15000 et seq.); and

g. The minimum safeguards necessary to protect the public health, safety and general welfare have been required of the proposed Project and have been imposed as conditions of approval by the Chino Planning Commission. Further, the Project meets all required development standards and policies pertaining to Public development.

2. *CEQA Findings.* A Mitigated Negative Declaration (MND) (SCH#2026030443) has been prepared for the Benson Reservoir Replacement and Improvements Project by Dudek (dated March 2026) that was circulated for a 30-day review period from April 20, 2026 to May 20, 2026. The MND identified potentially significant environmental impacts to air quality, biological resources, cultural resources, geology and soils, noise, and tribal cultural resources which could occur as a result of the proposed project. However, mitigation measures have been identified that reduce impacts to less than significant levels. In accordance with state environmental law, the Mitigation Monitoring Reporting Program (MMRP) identifies each environmental mitigation measure, the time in which it will be implemented and the responsible party for monitoring its implementation. The MND satisfies the requirements of the California Environmental Quality Act (CEQA) and the CEQA Guidelines (California Public Resources Code § 21000 et seq.; 14 CCR 15000 et seq.).

3. *Approval of PL26-0026 (Special Conditional Use Permit).* The Planning Commission hereby approves PL26-0026 (Special Conditional Use Permit) subject to the Conditions of Approval attached hereto as Exhibit "A". Applicant, including its successors and assigns, shall be responsible for implementing and complying with all conditions set forth in Exhibit "A".

4. *Actions by the Planning Commission Secretary.* The Planning Commission Secretary is hereby directed to attest to the adoption of this Resolution as of the date set forth below and forthwith transmit a copy of this Resolution, by regular mail, to the Applicant at the address of record set forth in the Application.

PASSED, APPROVED, and ADOPTED THIS 20th day of May 2026.

_____
PLANNING COMMISSION CHAIRPERSON

ATTEST:

_____
SECRETARY, PLANNING COMMISSION

State of California)
County of San Bernardino) §
City of Chino)

I hereby certify the foregoing Resolution was duly adopted by the Chino Planning Commission at a meeting held on the 20th day of May 2026 and entered in the minutes of said Commission.

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

_____
SECRETARY, PLANNING COMMISSION

Attachments:
Exhibit “A” – Conditions of Approval
Exhibit “B” – Mitigation Monitoring Reporting Program

EXHIBIT A

DEPARTMENTAL
CONDITIONS OF APPROVAL

DATE: May 20, 2026

PROJECT FILE NO.: PL2-0026 (Special Conditional Use Permit)

LOCATION: 11840 South Benson Avenue (APN: 1014-401-06)

APPLICANT: City of Chino Public Works Department

The departments listed below have reviewed the above referenced application. Those departments marked with an "X" have required conditions of approval to be imposed on the project.

Development Services Department –
- [X] Planning Division
- [ ] ADA Accessibility Division

Public Works Department –
- [ ] Engineering Division
- [ ] Traffic Division

[ ] Chino Valley Independent Fire District

[ ] Police Department

[ ] Finance Department

[ ] Community Services, Parks & Recreation Department

DEVELOPMENT SERVICES DEPARTMENT
PLANNING DIVISION CONDITIONS OF APPROVAL

DATE: May 20, 2026

PROJECT FILE NO.: PL26-0026 (Special Conditional Use Permit)

LOCATION: 11840 South Benson Avenue (APN: 1014-401-06)

APPLICANT: City of Chino Public Works Department

1.0 TIME LIMITS:

1.1. Special conditional use permit approval shall expire on May 20, 2027, if the approved use has not commenced and/or if building permits are not obtained. The expiration date may be extended upon written request by the applicant on a City application form. The request must be received by the Director of Development Services at least 30 days prior to expiration of the application.

1.2. Should the use the special conditional use cease to exist for 180 or more consecutive days, this permit shall be deemed null and void.

2.0 GENERAL REQUIREMENTS:

2.1. Failure to comply with any conditions of approval shall be deemed just cause for revocation of project approval by the Planning Commission.

2.2. The project shall proceed only in accordance with approved plans on file with the Development Services Department, the conditions contained herein and the Chino Municipal Code.

2.3. Approval of this request shall not waive compliance with all sections of the Chino Municipal Code, all other applicable City ordinances, and applicable specific plans.

2.4. Pursuant to Government Code Section 66020, the applicant is informed that the 90-day period in which the applicant may protest the fees, dedications, reservation or other exaction imposed on this project through the conditions of approval has begun.

2.5. In the event that any condition contained herein is determined to be invalid or legally unenforceable, then all remaining conditions shall remain in force.

2.6. In the event that any condition imposing a fee, exaction, dedication, or other mitigation measure is challenged by the project sponsors and/or other parties in an action filed in a court of law, which action is brought within the time period provided for by law, this approval shall be suspended pending dismissal of such action, the expiration of the limitation period applicable to such action, or final resolution of such action. If any condition is invalidated by a court of law, the applicable section of the entire project shall be reviewed by the City and substitute conditions may be imposed.

2.7. The applicant shall indemnify the City and its elected boards, commissions, officers, agents and employees and will hold and save them and each of them harmless from any and all actions, claims, liabilities, losses, damages, penalties, obligations and expenses, including but not limited to attorneys' fees and costs, (collectively "claims") against the City for any such claims and shall be responsible for any judgment arising therefrom. The City shall provide the applicant with notice of the pendency of such action and shall request that the applicant defend such action. The applicant may utilize the City Attorney's office or use legal counsel of its choosing, but shall reimburse the City for any necessary legal cost incurred by City, including for the City's required participation in defense of the claims. The applicant shall provide a deposit in the amount of 100% of the City's estimate, in its sole and absolute discretion, of the cost of litigation, including the cost of any award of attorney's fees, and shall make additional deposits as requested by City to keep the deposit at such level. If the applicant fails to provide or maintain the deposit, the City may abandon the action and the applicant shall pay all costs resulting therefrom and City shall have no liability to the applicant.

2.8. The City of Chino has an exclusive contract with Waste Management for all solid waste collection and hauling services within the City. The applicant shall be responsible for making arrangements with Waste Management for disposal of any/all construction debris or trash generated as a result of this permit. Waste Management can be reached at 1-800 423-9986.

2.9. Pursuant to Public Resources Code Section 21089 and Fish and Wildlife Code Section 711.4, the developer shall provide those fees marked [X] below in the form of a check made payable to the ***San Bernardino County Clerk of the Board of Supervisors*** **within 5 days of Planning Commission approval. Project approval shall not be complete until the required fee(s) is (are) paid:**

[X] $50 for the Notice of Exemption filing fee.

3.0 PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR COMMENCEMENT OF THE APPROVED USE:

3.1. Revised plans, incorporating all conditions of approval, shall be submitted for review and approval by the Director of Development Services.

3.2. All plans shall be coordinated for consistency.

3.3. The developer shall pay development impact fees at the established rate. Such fees may include, but not be limited to, new construction fee, park or open space fees, school fees, drainage fees, sewer fees, building permit and plan check fees.

3.4. A construction management plan shall be submitted for review and approval by the Director of Development Services. The plan shall coordinate and address construction activities that may impact residents and/or surrounding businesses on site and in adjacent areas. Elements of the plan would contain, but not be limited to, the following:

a. Routing of construction equipment
b. Hours of operation
c. Dust control
d. Vector control
e. Vehicle, equipment, and personnel staging
f. Pre-construction meetings
g. Contractor/subcontractor acknowledgement, obligations, and penalties
h. Traffic control and coordination
i. Security and interim fencing
j. Signs posted on the site with a contact number for the job site construction manager and the City's Code Enforcement Division. Signs shall measure at least four feet by eight feet and shall be posted along every street frontage. The developer shall contact the City immediately upon any change in contact numbers.

3.5. Equipment that is not placed underground such as SCE transformers, backflow prevention devices, irrigation valves and controllers used for common landscape areas shall be placed in areas out of public view and sufficiently screened. The location and method of screening shall be reflected in a plan and shall be subject to the review and approval by the Director of Development Services.

3.6. All electrical panels and cabinets shall be completely screened. All electrical panels and cabinets shall be fully enclosed and integrated into and architecturally compatible with the building to the satisfaction of the Director of Development Services. The locations of the electrical panels and cabinets shall be reflected on a site plan and elevation(s) to be reviewed and approved by the Director of Development Services.

3.7. A detailed on-site exterior lighting plan shall be submitted and approved by the Director of Development Services. Plans shall be designed pursuant to Chino Municipal Code Section 20.10.090 (Outdoor Lighting) and shall identify fixture design, illumination (photometric), location, height and method of shielding, so as not to adversely affect adjacent properties.

3.8. Upon submittal of construction drawings to the Building Division for plan check review, all departmental conditions of approval for the project shall be included on the sheet following the title sheet, or the first sheet of the plans. A site plan shall also be attached to all sets of construction drawings. The condition shall be a minimum requirement for acceptance of construction drawings for the Building plan check review.

3.9. The applicant is required to contact the West Valley Mosquito and Vector Control District to determine if an inspection or field survey of potential vectors and their ectoparasites is necessary. If the District so determines, an inspection or field survey shall be conducted by the District, at the applicant's expense, prior to demolition or grading in order to protect the health of and reduce the risk of neighboring residents to vector-borne diseases. Based on the inspection or survey results, the applicant shall take appropriate vector control methods as recommended by the District.

4.0 PRIOR TO START OF CONSTRUCTION

4.1. A pre-construction meeting, scheduled with the Building Division, shall be held with all applicable City staff members, developer, contractor, superintendent, and all applicable subcontractors.

4.2. Detailed landscape and irrigation plans for the development shall be approved by the Director of Development Services.

4.3. The approved construction management plan shall be distributed to all contractors and subcontractors and shall be maintained on-site through the duration of construction.

5.0 PRIOR TO THE ISSUANCE OF A CERIFICATE OF OCCUPANCY:

5.1. All conditions of approval shall be completed to the satisfaction of the Director of Development Services.

5.2. The fee for review of the landscaping and irrigation plans by both the City and the City's landscape architect shall be paid by the developer.

5.3. The project site shall be clean and free of trash and construction debris, and all construction equipment shall be removed from the site.

6.0 ENVIRONMENTAL REQUIREMENTS & MITIGATION MEASURES:

6.1. Comply with all mitigation measures identified in the attached *Mitigation Monitoring Reporting Program* (Exhibit "A") which identifies each environmental mitigation measure, the time in which it will implemented and the responsible party for monitoring its implementation.

7.0 OTHER REQUIREMENTS:

7.1. The project site shall be cleared of all trash, debris, weeds, and other discarded items. The Director of Development Services may approve an extension of time to complete demolition, based on evidence that the applicant has exercised reasonable progress.

7.2. A coating that will facilitate the removal of graffiti shall be applied over the complete height of one side/both sides of walls and/or fences, and to a height of eight feet on building walls. If a coating is not provided, the owner of the property shall paint the buildings and/or walls to remove graffiti within 72 hours of notice.

7.3. A preconstruction survey (four surveys in four days) shall be conducted no more than 30 days prior to ground disturbance including clearing, grubbing or grading of the site to ensure that no burrowing owls are occupying the project area.

7.4. Climate Action Plan:

a. Per Section 15.45.070 of the Chino Municipal Code, demonstrate consistency with the Chino Climate Action Plan by implementing one of the following three options:

a) Exceed the mandatory California Energy Code Title 24, Part 6 standards in effect at the time of application submittal by 5%; or
b) Achieve an equivalent reduction through voluntary measures in the California Green Building Standards Code, Title 24, Part 11 (CALGreen) in effect at the time of application submittal; or

c) Provide other equivalent greenhouse gas (GHG) reductions through measures including but not limited to, non-vehicle transportation infrastructure, transit, ZEV (zero emission vehicle) infrastructure or other incentives, waste diversion, water conservation, tree planting, renewable energy option packages, or any combination of these or other measures such that GHG emissions are reduced by 0.74 MT CO2e per residential dwelling unit per year and/or per TSF of commercial/industrial use per year.

Applicants that choose Option a described above will be required to verify that their project meets the 5% improvement above the mandatory standards through the appropriate certificate of compliance form for residential construction (CF-1R) or for commercial/industrial construction (PERF-1C). Applicants that choose Options b or c described above will be required to utilize the GHG Performance Standard Checklist developed by the City, or provide other valid documentation, such as CalEEMod or other methodologies, as verified by the Director of Development Services to demonstrate the required GHG reductions consistent with the City's CAP

8.0 CONSTRUCTION SITE SECURITY

8.1. Each site shall be completely encircled by a minimum 6' tall security-quality chain link fence once precise grading has been completed or as determined by the Deputy Director of Development Services.

8.2. Tennis court or similar screening material shall be securely attached for the length of the fence, excluding gates and 10' on either side of gates.

8.3. Each site shall have only one entry/exit gate, or as approved by the Planning Division.

8.4. Gate hinge pins shall be spot-welded or altered in such a way as to prevent easy removal.

8.5. Each gate shall have a casehardened lock and chain, or other equivalent security hardware.

8.6. “No Trespassing” signs shall be attached to the exterior of the fence at a minimum distance of a third of a mile and at all entrances.

8.7. On or near the exterior of each gate will be a sign with the address of the site in no less than 6" letters. Both the number and street name will be

listed on the sign. The address posted will be used for the entire site until the fence is removed and individual addresses assigned.

8.8. Office trailers and tool bins shall be placed adjacent to gates inside the property to allow observation from outside.

8.9. Lighting on trailers and bins is desirable but shall be directed into the property so as not to impede outside observation or endanger nearby traffic with glare.

8.10. Tool bins shall be secured with casehardened locks, preferably with lock guards.

8.11. A sign stating that theft is not acceptable on the site and will be reported to the police, or wording to that effect, will be displayed prominently near each entrance.

8.12. Each site will have an assigned Crime Prevention Manager who is responsible for the following:

a. Providing his/her name and 24- hour telephone access number to the Chino Police Department.
b. Have available at all times the names and 24-hour contact numbers for all subcontractors.
c. Have the authority to speak for the development/owners on matters concerning trespassing and other criminal matters.
d. Complete routine fence inspections and arrange for prompt repairs or removal of any damage, graffiti, or loose screening.
e. Ensure that no work or maintenance of construction equipment is being performed on the site between 8 PM and 7 AM.
f. Ensure that all above security requirements are complied with, and that all security hardware, fencing, and lighting are maintained in working order.
g. Ensure that thefts are immediately reported to the police department and the responsible steps are taken, if evident, to prevent future similar incidents.

9.0 THE APPROVED USE SHALL BE OPERATED IN ACCORDANCE WITH THE FOLLOWING:

9.1. All operations shall not create a nuisance due to noise, odor, dust, mud, smoke, steam, vibration or other similar causes.

9.2. The operation or activity shall not cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution that can

cause damage to human health, vegetation, or other forms of air pollution that can cause excessive soiling on any other parcel. No emission shall be permitted which exceeds the requirements of the South Coast Air Quality Management District or the requirements of any Air Quality Plan adopted by the City of Chino.

9.3. The operation or activity shall not emit odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable with or without the aid of instruments at or beyond the project site boundary.

9.4. The operation shall not discharge, at any point, into any public or private street, public sewer, storm drain, private stream, body of water, or into the ground, any material which can contaminate any water supply, interfere with bacteriological processes in sewer treatment, or otherwise cause the emission of dangerous or offensive elements, except in accordance with the standards approved by the California Department of Public Health, or any other federal, state or local government agency.

9.5. No operation or activity shall emit heat or cold that would cause a temperature increase or decrease on any adjacent parcel in excess of 10^0F (5.56^0C).

9.6. No operation or activity shall cause any impermissible source of electronic disturbance that adversely affects persons or the operation of any equipment on any other parcel that is not in conformance with the regulations of the Federal Communications Commission (FCC). Impermissible interference for the purposes of this document shall mean any interference that violates the rules and regulations of the FCC and/or the Communications Act of 1934, as amended.

9.7. No operation or activity shall be permitted to cause a steady state, earth-borne oscillation which is continuous and occurring more frequently than 100 times per minute beyond the project site. Ground vibration caused by moving vehicles, trains, aircraft, or temporary construction or demolition is exempted from this requirement.

9.8. Noise emanating from the project site, and which is received by adjacent land uses, shall not exceed the levels specified below, except that loudspeakers, bells, gongs, buzzers or other noise attention or attracting devices shall not exceed a maximum daytime dBA level of 60 and nighttime dBA of 40, measured anywhere beyond the boundaries of the property within which the noise is created.

Maximum Time of Exposure	Noise Metric	Noise Level Not To Be Exceeded	
		7 a.m. to 10 p.m.	10 p.m. to 7 a.m.
30 Minutes/Hour	L50	55 dBA	50 dBA
15 Minutes/Hour	L25	60 dBA	55 dBA
5 Minutes/Hour	L8.3	65 dBA	60 dBA
One Minute/Hour	L1.7	70 dBA	65 dBA
Any Period of Time	Lmax	75 dBA	70 dBA

9.9. Should it be determined by the City that noise measurements or a noise analysis of the use is needed, the applicant and its successor(s) shall bear all costs for said measurements and/or study and if necessary shall provide necessary soundproofing to mitigate the noise created on site, if noise and/or vibrations exceed what is permitted under the Chino Municipal Code or create a nuisance to surrounding uses. Said soundproofing shall be installed to the satisfaction of the Director of Development Services.

Attachment:

Exhibit “A” – Mitigation Monitoring Reporting Program (MMRP)

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Air Quality								
Mitigation Measure AQ-1	**Require Use of Tier 4 Off-Road Equipment During Construction.** Prior to the commencement of any construction activities, the Project applicant or its designee shall provide evidence to the City of Chino (City) that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 interim. An exemption from this requirement may be granted under the following two conditions: (1) The applicant's construction contractor shall demonstrate that at least three construction fleet owners/operators in San Bernardino County were contacted and that those owners/operators confirmed Tier 4 interim or final equipment could not be located within San Bernardino County during the desired construction schedule. (2) The proposed replacement equipment has been evaluated using the California Emissions Estimator Model or other industry standard emission estimation method and documentation has been provided to the City to confirm that necessary project-generated emissions reductions are achieved.	X			City of Chino			
Biological Resources								
Mitigation Measure BIO-1	**Nesting Bird Avoidance.** Project construction shall be conducted in compliance with the conditions set forth in the Migratory Bird Treaty Act and California Fish and Game Code to protect active bird/raptor nests. Vegetation removal shall occur during the non-breeding season for nesting birds and nesting raptors (September 1–January 31) to avoid impacts to nesting birds and raptors. If the project requires that work be performed during the breeding season for nesting birds (February 1-August 31) and nesting raptors (February 1–June 30), a pre-construction survey shall be conducted in the study area by qualified biologists for nesting birds and/or raptors within 3 days before project activities in order to avoid direct impacts on active nests. If the biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work shall be allowed to proceed. If the biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified biologist: (1) clearing limits shall be established within a buffer around any occupied nest; and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified biologist. The buffer shall be 100–300 feet for non-raptor nesting birds and 300–500 feet for nesting raptors. Construction can proceed into the buffer if the qualified biologist determines that the nest is no longer active.	X			City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Cultural Resources								
Mitigation Measure CUL-1	**Inadvertent Discovery of Archaeological Resources.** In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find. Construction activities may continue in other areas but should be redirected a safe distance from the find. If the new discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted. A data recovery plan shall be developed by the qualified archaeologist in consultation with the City and Native American representatives, if applicable. Ground disturbance can continue only after the resources have been properly mitigated and with approval by the City.		X		City of Chino			
Geology and Soils								
Mitigation Measure GEO-1	**Paleontological Monitoring.** Prior to commencement of any grading activity on site, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the project. The PRIMP shall be consistent with the SVP (2010) guidelines and should outline requirements for preconstruction meeting attendance and worker environmental awareness training, where monitoring is required within the proposed project site based on construction plans and/or geotechnical reports, procedures for adequate paleontological monitoring and discoveries treatment, and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting and a qualified paleontological monitor shall be on site during all rough grading and other significant ground-disturbing activities (including augering) in previously undisturbed, fine-grained Pleistocene sedimentary deposits. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Costs associated with laboratory work and curation fees are the responsibility of the City.	X	X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Noise								
Mitigation Measure NOI-1	**Temporary Construction Noise Reduction.** The City shall require the contractor to install temporary noise abatement during construction activities occurring near off-site residential receptors, specifically along the northern and eastern boundaries of the project site where residences are closest. Noise abatement shall consist of sound blankets, field-erected plywood sheeting, or comparable temporary solid barriers (minimum height of 10 feet and minimum sound transmission class [STC] rating of 25) placed to block direct line-of-sight between construction activities and the nearest noise-sensitive receptors. The barrier shall be installed prior to commencement of heavy equipment use and maintained throughout all relevant construction phases. The temporary barrier is expected to achieve a minimum construction noise reduction of approximately 13 decibels (dB) at the nearest residential property line, based on modeling results provided in Appendix E. In addition to the noise barrier, the following supplemental measures shall be implemented: ▪ Administrative controls (e.g., further reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances to a nearest receiving occupied off-site property). ▪ Engineering controls (change equipment operating parameters [e.g., speed, capacity], or install features or elements that otherwise reduce equipment noise emission [e.g., upgrade engine exhaust mufflers]). The contractor shall document the installation and maintenance of noise abatement measures and provide verification to the City prior to and during construction.		X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Tribal Cultural Resources								
Mitigation Measure TCR-1	**Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.** A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians–Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching. B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity. C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe. D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.	X	X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Mitigation Measure TCR-2	**Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).** A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural, and/or historic purposes.		X		City of Chino			
Mitigation Measure TCR-3	**Unanticipated Discovery of Human Remains and Associated Funerary Objects or Ceremonial Objects.** A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute. B. If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resources Code section 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed. C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). D. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.		X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Air Quality								
Mitigation Measure AQ-1	**Require Use of Tier 4 Off-Road Equipment During Construction.** Prior to the commencement of any construction activities, the Project applicant or its designee shall provide evidence to the City of Chino (City) that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 interim. An exemption from this requirement may be granted under the following two conditions: (1) The applicant's construction contractor shall demonstrate that at least three construction fleet owners/operators in San Bernardino County were contacted and that those owners/operators confirmed Tier 4 interim or final equipment could not be located within San Bernardino County during the desired construction schedule. (2) The proposed replacement equipment has been evaluated using the California Emissions Estimator Model or other industry standard emission estimation method and documentation has been provided to the City to confirm that necessary project-generated emissions reductions are achieved.	X			City of Chino			
Biological Resources								
Mitigation Measure BIO-1	**Nesting Bird Avoidance.** Project construction shall be conducted in compliance with the conditions set forth in the Migratory Bird Treaty Act and California Fish and Game Code to protect active bird/raptor nests. Vegetation removal shall occur during the non-breeding season for nesting birds and nesting raptors (September 1–January 31) to avoid impacts to nesting birds and raptors. If the project requires that work be performed during the breeding season for nesting birds (February 1-August 31) and nesting raptors (February 1–June 30), a pre-construction survey shall be conducted in the study area by qualified biologists for nesting birds and/or raptors within 3 days before project activities in order to avoid direct impacts on active nests. If the biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work shall be allowed to proceed. If the biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified biologist: (1) clearing limits shall be established within a buffer around any occupied nest; and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified biologist. The buffer shall be 100–300 feet for non-raptor nesting birds and 300–500 feet for nesting raptors. Construction can proceed into the buffer if the qualified biologist determines that the nest is no longer active.	X			City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Cultural Resources								
Mitigation Measure CUL-1	**Inadvertent Discovery of Archaeological Resources.** In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find. Construction activities may continue in other areas but should be redirected a safe distance from the find. If the new discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted. A data recovery plan shall be developed by the qualified archaeologist in consultation with the City and Native American representatives, if applicable. Ground disturbance can continue only after the resources have been properly mitigated and with approval by the City.		X		City of Chino			
Geology and Soils								
Mitigation Measure GEO-1	**Paleontological Monitoring.** Prior to commencement of any grading activity on site, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the project. The PRIMP shall be consistent with the SVP (2010) guidelines and should outline requirements for preconstruction meeting attendance and worker environmental awareness training, where monitoring is required within the proposed project site based on construction plans and/or geotechnical reports, procedures for adequate paleontological monitoring and discoveries treatment, and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting and a qualified paleontological monitor shall be on site during all rough grading and other significant ground-disturbing activities (including augering) in previously undisturbed, fine-grained Pleistocene sedimentary deposits. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Costs associated with laboratory work and curation fees are the responsibility of the City.	X	X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

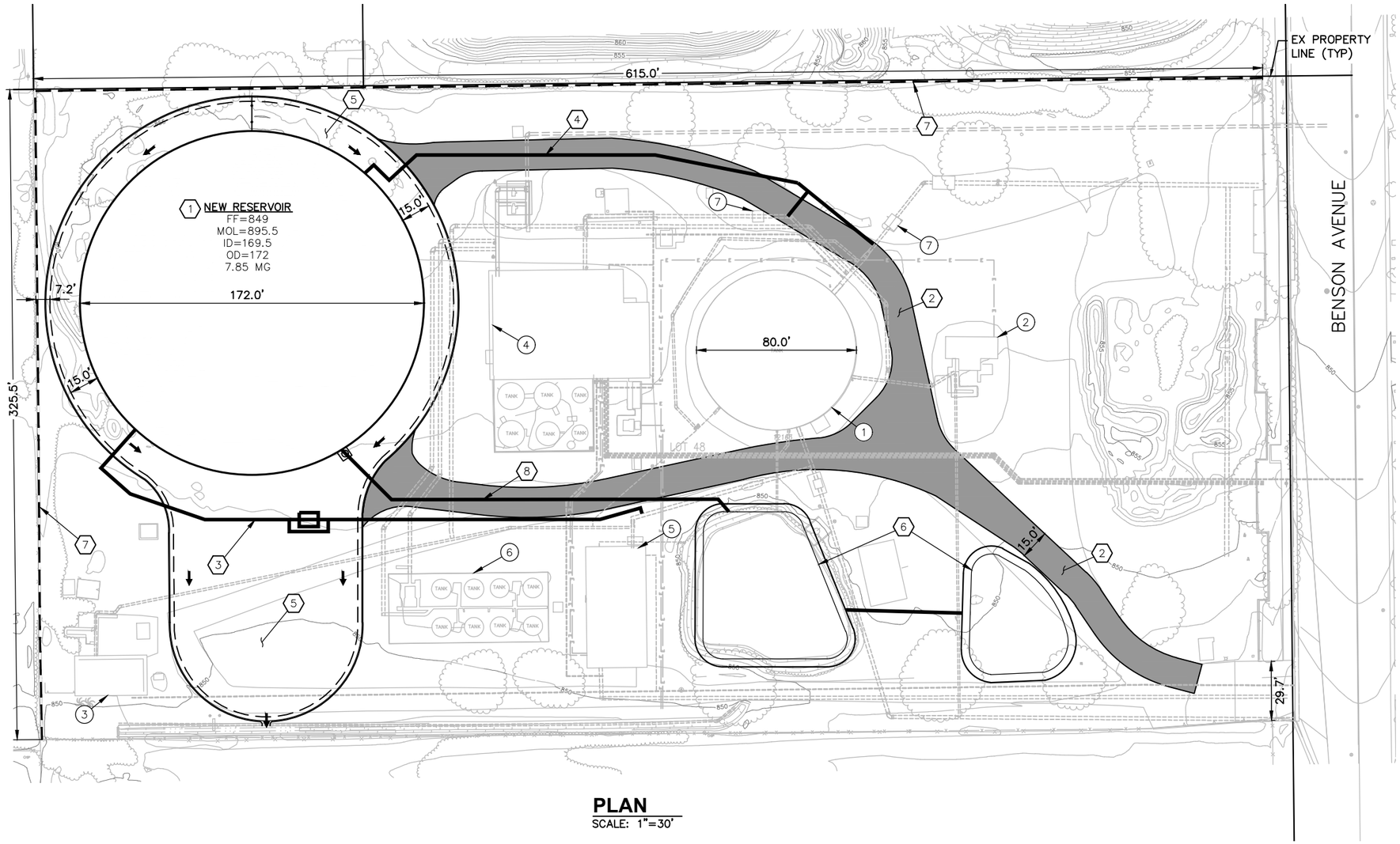
Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Noise								
Mitigation Measure NOI-1	**Temporary Construction Noise Reduction.** The City shall require the contractor to install temporary noise abatement during construction activities occurring near off-site residential receptors, specifically along the northern and eastern boundaries of the project site where residences are closest. Noise abatement shall consist of sound blankets, field-erected plywood sheeting, or comparable temporary solid barriers (minimum height of 10 feet and minimum sound transmission class [STC] rating of 25) placed to block direct line-of-sight between construction activities and the nearest noise-sensitive receptors. The barrier shall be installed prior to commencement of heavy equipment use and maintained throughout all relevant construction phases. The temporary barrier is expected to achieve a minimum construction noise reduction of approximately 13 decibels (dB) at the nearest residential property line, based on modeling results provided in Appendix E. In addition to the noise barrier, the following supplemental measures shall be implemented: ▪ Administrative controls (e.g., further reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances to a nearest receiving occupied off-site property). ▪ Engineering controls (change equipment operating parameters [e.g., speed, capacity], or install features or elements that otherwise reduce equipment noise emission [e.g., upgrade engine exhaust mufflers]). The contractor shall document the installation and maintenance of noise abatement measures and provide verification to the City prior to and during construction.		X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Tribal Cultural Resources								
Mitigation Measure TCR-1	**Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.** A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians–Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching. B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity. C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe. D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.	X	X		City of Chino			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Mitigation Measure TCR-2	**Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).** A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural, and/or historic purposes.		X		City of Chino			
Mitigation Measure TCR-3	**Unanticipated Discovery of Human Remains and Associated Funerary Objects or Ceremonial Objects.** A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute. B. If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resources Code section 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed. C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). D. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.		X		City of Chino			



PLAN
SCALE: 1"=30'

EXISTING SITE FEATURES

1. EX 1.5 MG BENSON RESERVOIR #3
2. EX WELL #5
3. EX WELL #9
4. ION EXCHANGE FACILITY
5. BENSON BOOSTER PUMP STATION
6. GAC TREATMENT FACILITY
7. PRESSURE REDUCING VALVE

CONSTRUCTION NOTES

1. NEW 7.85 MG BENSON RESERVOIR #3
2. NEW 15' WIDE CLASS II BASE ROAD
3. NEW 20" OUTLET PIPING
4. NEW 24" INLET PIPING
5. NEW CLASS II BASE PERIMETER ROAD AND TURN AROUND WITH CONCRETE CURB AND GUTTER
6. NEW RETENTION BASIN
7. REPLACE EX FENCING WITH NEW 8-FOOT CMU WALL WITH THREE STRING BARBED WIRE
8. NEW 24" HDPE OVERFLOW DRAIN

LEGEND

- NEW PIPELINE ALIGNMENT
- CURB AND GUTTER / ROLLED CURB
- DG PAVEMENT ROAD LIMIT

GRAPHIC SCALE
0 30' 60'
SCALE: 1" = 30'

LINE IS 2 INCHES AT FULL SIZE
IF NOT 2" – SCALE ACCORDINGLY

DUDEK
605 THIRD STREET
ENCINITAS, CA 92024
760.942.5147

BENSON AVENUE RESERVOIR IMPROVEMENTS PROJECT

APPENDIX B - 30% SITE PLAN

EXHIBIT

FOR CITY OF CHINO

16305

P:\01.Engineering\Chino_City of\16305 – Benson Reservoir and Improvements (MA213) Design and Bid Support\6-CAD\Exhibits\PDR Exhibit PLOTTED: 7/8/2025 11:21:48 AM

New Benson Reservoir
Existing Benson Reservoir to be Removed

MEMORANDUM
CITY OF CHINO
DEVELOPMENT SERVICES DEPARTMENT

PLANNING COMMISSION MEETING DATE: MAY 20, 2026

PL25-0067 (SA) and PL25-0068 (TTM 20794)

LOCATION MAP

PROJECT NO.: PL25-0067 (SA) and PL25-0068 (TTM 20794)

APPLICANT: Regent Land Company

REQUEST: A request to subdivide 3.76 adjusted gross acres of land into one lot, for condominium purposes for the construction of a 100-unit, 17 building residential for-sale project at a density of 26.6 dwelling units per acre within the CG (General Commercial) zoning district within the Affordable Housing Overlay (AHO) and 0.17-acre lot in the CG zoning district.

LOCATION: Southwest corner of Riverside Drive and Magnolia Avenue (APN 1020-111-01 and -02)

RECOMMENDATION:

Adopt Planning Commission Resolution No. PC2026-004 approving PL25-0067 (Site Approval) and PL25-0068 (Tentative Tract Map 20794), based upon the findings and subject to the departmental conditions of approval).

SURROUNDING ZONING AND LAND USE:

	Existing Land Use	*General Plan*	*Zoning District*
Project Site -	Residential	GC (General Commercial)	CG (General Commercial) with a portion in the Affordable Housing Overlay (AHO)
North -	Commercial	GC (General Commercial)	CG (General Commercial)
East -	Apartments	RD20 and RD12 (Residential 20 Dwelling Units/Acre and Residential 12 Dwelling Units/Acre)	RD20 (Residential 20 Dwelling units /Acre and RD12 (Residential 12 Dwelling Units/Acre)
South -	Residential	RD4.5 (Residential 4.5 Dwelling Units/Acre)	RD4.5 (Residential 4.5 Dwelling Units / Acre)
West -	Residential	GC (General Commercial)	CG (General Commercial) with Affordable Housing Overlay (AHO)

BACKGROUND

The 2021-2029 Housing Element (Housing Element) update was originally adopted by the City Council on January 4, 2022, with revisions to the document adopted in December 2024. The Housing Element established an Affordable Housing Overlay (AHO) and Mixed Use Overlay (MUO) on 91 different sites throughout the City. These specific sites were identified during the drafting of the Housing Element as a strategy for meeting the City's Regional Housing Needs Assessment (RHNA) numbers required by the State. Housing sites within both overlays allow for residential development of up to 30 dwelling units per acre (du/ac) provided that projects

provide affordable housing for low-income households. The subject project is located on one of the AHO sites identified in the adopted Housing Element.

The applicant submitted a preliminary application (PL25-0066) on May 29, 2025 under the provisions of Senate Bill 330, the Housing Crisis Act (SB 330). SB 330 was adopted by the State in 2019 to, among other things, provide more certainty to housing developers by allowing them to lock in the standards that apply to their projects. Subject to limited exceptions, filing a preliminary application locks in the development standards that are in place on the day the preliminary application is filed. Preliminary applications can be filed up to 180 days before filing a full application. Concurrent with the preliminary application, the applicant submitted applications for a Site Approval (PL25-0067) and Tentative Tract Map (PL25-0068) on May 29, 2025 for development of the site with a 100-unit for-sale community. The project includes a request for waivers pursuant to State Density Bonus Law (SDBL).

In recent years, the state has placed increased limitations on the City's discretion to approve or deny housing projects. Under the Housing Accountability Act (HAA) (Government Code 65589.5(j)), when a proposed housing project meets applicable, objective general plan, zoning, and subdivision standards, and environmental review has been conducted in compliance with the California Environmental Quality Act (CEQA), then the City must approve the project unless it makes written findings that: (1) the project would have a specific, adverse impact upon the public health or safety unless the project is disapproved; and (2) there is no feasible method to satisfactorily mitigate or avoid the adverse impact other than disapproval of the project.

"Specific adverse impact" is defined in state law as "a significant, quantifiable, direct, and unavoidable impact, based on objective, identified written public health or safety standards, policies, or conditions as they existed on the date the application was deemed complete." State law further explains that "It is the intent of the Legislature that the conditions that would have a specific, adverse impact upon the public health and safety … arise infrequently."

ISSUES/ANALYSIS

Site Design:

The project site is located at the southwest corner of Riverside Drive and Magnolia Avenue and is bordered by single-family residential uses to the west and south, multifamily residential homes to the east, and commercial uses to the north. Primary vehicular access is provided via a single driveway from Magnolia Avenue. Due to the project's relatively small size and limited number of units, only a single access point is required.

The proposed development consists of 17 buildings totaling 100 residential units designed as three story townhomes. Building orientations vary and either face a roadway, an internal paseo, the main drive aisle, or the open space amenity. The community is not proposed to be gated; however, an open tubular steel fence will be installed atop a retaining wall along Riverside Drive, as the roadway is elevated above the building pads. A central open space area with a large play structure is located near Riverside Drive. Along Magnolia Avenue, a rectangular open space area includes enhanced landscaping, seating, and a lawn area. A low wall separates the green space from the street. This area was included to help buffer Building One from the adjacent intersection.

The residential buildings are configured as 4, 5, 6, and 8-plex buildings, primarily oriented perpendicular to the Riverside Drive and fronting onto Magnolia Avenue.

Due to the design and density of the project, the project does not meet certain development standards. Specifically, waivers from front side and rear yard setbacks are requested pursuant to the State Density Bonus Law (SDBL), as discussed later in this report.

Project statistics are as follows:

Item	*Proposed*
Project Area -	3.76 adjusted gross acreage + 0.17-acre lettered lot
No. Lots -	1 lot and 1 lettered lot
Density -	26.6 du per acre/ 26-30 du/acre
No. of Buildings -	17 residential buildings
Building Area -	Residential buildings 217,704 square feet (three stories) – 100 units
Lot Coverage -	44% proposed (AHO lot only)/ 65% maximum allowed
Landscape Coverage -	20% without the lettered lot / 24% with the lettered lot / 15 % required
Parking (proposed/required)-	213 proposed parking spaces 210 required parking spaces per Chino Municipal Code 170 required per State density bonus law

Tentative Tract Map:

The project site currently has two residential structures and a stable and is comprised of two separate legal lots. The proposed tract map would consolidate the two lots and subdivide the lot for condominium purposes facilitating the sale and development of 100 for-sale residential units. The primary development portion encompasses 3.76 adjusted gross acres, while a lettered lot comprises 0.17 acres. The central open space area would be located within the lettered lot and no building is proposed on this portion of the project site as the lettered lot does not have the AHO designation. Project development will involve the demolition of the structures to allow for site grading and construction.

Parking:

The proposed for-sale community provides a total of 213 parking spaces for the development, which exceeds the City's requirement of 210 parking spaces. Since the project qualifies for a density bonus, the State Density Bonus Law (SDBL), California Government Code Section 65915, limits the number of parking stalls a City can require for this type of residential development. Based on SDBL parking requirements, the City cannot require more than one parking space per unit for one-bedroom units, more than 1.5 parking spaces per unit for two and three-bedroom units, and 2.5 parking spaces per unit for four-bedroom units, which results in 170 parking stalls required for the proposed project. The project exceeds this requirement by providing a total of 213 parking stalls of which 200 will be within a garage and the remaining 13

stalls will be surface parking. This exceeds the minimum required parking per SDBL by 43 spaces, and the City's requirement by 3 spaces. Furthermore, the applicant was conditioned to implement a Parking Management Plan to the satisfaction of the Director of Development Services to require that residents park in the garages, to monitor parking areas, and other additional measures to help minimize parking conflicts.

A City cannot require additional parking even if the project does not conform with the City's parking requirement. The State has passed numerous laws that expressly prohibit cities from requiring developers to provide more on-site parking spaces than otherwise expressly permitted by State law. In this case, with the inclusion of ten percent affordable housing units for moderate-income households, the project is entitled to the parking ratios set forth in SDBL.

Amenities, Landscape and Walls:

The AHO standards require projects to provide at least one major and two minor community amenities, and the project exceeds this requirement. Amenities in the development include a centrally located open space area that includes a large play structure. Additional features include small dog park at the southwest corner of the project site, and multiple seating areas with shade structures in the paseo areas between buildings.

Private open space is also provided for each unit by either a patio and/or a balcony. While each unit provides private open space, the amount of private open space does not meet the requirements of the AHO and a waiver pursuant to SDBL is being requested.

The project provides a total of 24% landscape coverage when including the lettered lot with the open space play area, which exceeds the minimum AHO requirement of 15%. Landscaping throughout the development has a drought tolerant design, incorporating trees, shrubs, and groundcover. A six-foot high decorative block wall is provided along the south and west perimeter of the project site. A tubular metal fence atop a retaining wall is provided along Riverside Drive.

Floor plans and Architecture:

The buildings are inspired by Spanish architecture and have two color schemes. The buildings are configured as 4, 5, 6, and 8-plex buildings and include a mix of three and four-bedroom units with four floor plans ranging in size from 1,412 square feet to 1,802 square feet. The buildings feature various details to provide some visual variation and interest. The buildings have a stucco finish, metal railing on balconies, tile surround or awnings at entries, exposed rafter tails, decorative shutters, decorative scalloped sills, and decorative metal pot shelves under certain upper level windows. Front doors, garage doors, and light fixtures are provided to match the architectural style. Traditional "S" tile roofing is provided throughout.

Applicable Standards and Waivers from Standards:

Under California State housing law, when a developer submits a preliminary application for a housing project, that project is only subject to the ordinances, policies, and standards adopted and in effect on the date the preliminary application is submitted. On April 18, 2023, the City Council adopted Ordinance No. 2023-008, which established development standards for the Affordable Housing Overlay (AHO). Based on the development standards the for-sale residential development must: (1) reserve at least three percent of its units for medium-income households; (2) adhere to a base density of 26 dwelling units per acre; and (3) remain in substantial conformance with both the preliminary application submitted to the City and the full application as deemed complete by the City.

This project exceeds the moderate income requirement of three percent required under the AHO by providing ten percent of the homes (10 units) to moderate income households. The applicant therefore is entitled to waivers under State Density Bonus Law (SDBL). A waiver is a reduction or modification of any development standards and other regulations when those requirements physically preclude the project as designed. To qualify for waivers under SDBL, the applicant must provide written documentation justifying the need for a waiver. Additionally, there is no limit to the number of waivers that can be requested, allowing the applicant to seek relief from multiple standards. The ability for a City to deny a waiver under SDBL is limited to whether the request would potentially result in a specific, adverse impact upon health, safety, or the environment. (Government Code, 65915(d)(1) and 65915(e)(1).) In review of the requested waivers, it has been determined that the waivers would not result in a specific, adverse impact as defined by the Government Code. As such, the applicant has formally requested the following waivers for the Project (Exhibit "B"), which are detailed below.

1. **Front yard setback (Magnolia Avenue):** Relief from the required 15-foot front yard setback is requested. The Project proposes an eight-foot and eight-inch setback for one of the two buildings fronting Magnolia Avenue.
2. **Side yard setback: (Riverside Drive and South Property line):** Relief from both required 10-foot side yard setbacks are requested. The Project proposes a seven-foot setback along Riverside Drive, with the utility door swings projecting three feet seven inches into the setback area, without extending beyond the property line. Additionally, a seven-foot setback is requested at the nearest point to the southern property line.
3. **Rear yard setback:** Relief from the required 15-foot rear yard setback is requested. The proposed rear yard setback is seven feet nine inches at the nearest point to the west property line.
4. **Height and location of fence and wall at Riverside**: Relief from wall and fence height and setback requirements along the street-facing property line is requested. Riverside Drive is situated at a higher elevation than the project site, necessitating the construction of a retaining wall along the north property line. The greatest grade differential occurs at the western end of the site, gradually transitioning to match the grade near the northeast corner.

   For safety purposes, a fence is required atop the retaining wall because the public sidewalk runs directly adjacent to the property line, creating a potential fall hazard due to the elevation difference. While the municipal code permits a maximum fence height of six feet along Riverside Drive, it requires that overall wall height be measured from the lowest finished grade. Because portions of the combination wall function as a retaining wall, the combined wall and fence reach a maximum height of 9.5 feet, exceeding what the code allows. However, the full height of the combination wall will not be visible to Riverside Drive, and the tubular steel fencing along Riverside Drive will have an exposed height of 42 inches.

   Additionally, the code requires block walls to be set back 18 inches from the property line to accommodate landscaping along the roadway. However, the proposed combined wall and fence are located directly on the property line, immediately adjacent to the sidewalk. The applicant has provided colored site plan sheets and sectional drawings in the landscape package to illustrate the proposed wall condition.
5. **Minimum Outdoor Living Area:** A minimum of 400 square feet of outdoor open space (40,000 square feet) is required per unit and a minimum net lot area of 20% devoted to

open space (private or common open space) is required. The project requests a waiver and is proposing 19,084 square feet of outdoor open space and 15% of net lot area devoted to outdoor living area. Lot A is a separate lot and not within the AHO, and was not included in the calculations, however it provides an additional 7,377 square feet of common open space area.

6. **Common Area Open Space requirements**: A minimum of 65% of the outdoor living area is required to be provided as common open space. The project requests a waiver and is proposing 48% of outdoor living area for common open space.

7. **Private Open Space for Ground Floor Units**: Relief is requested from the private open space standards required that ground level units have a patio with a minimum dimension of 10 feet and 150 square feet overall or have an upper deck with a minimum dimension of six feet and 72 square feet overall. All units include balconies which range from 57 to 60 square feet in size, with minimum dimensions of four feet seven inches in width and 11 feet one inch in length. In addition, 19 units provide private ground-floor patios where feasible. These patio areas are depicted in mid-green on the site plan.

8. **Floor plates for the third story**: Relief is requested from the AHO standard limiting third-story floor plates to 80% of the ground-floor area. The project seeks approval for a third-story floor plate equal to approximately 107% of the ground-floor plate.

In addition to waivers, the applicant is requesting a concession under State Density Bonus Law for the undergrounding existing overhead utility lines, as required by the Chino Municipal Code. Staff does not support this request. Chapter 13.32 of the Chino Municipal Code establishes undergrounding as a key public safety requirement to reduce hazards during emergencies, limit risks from downed lines, and maintain safe conditions in the public right-of-way. While State Density Bonus Law permits granting a concession that will reduce development costs, the City may deny the request if it would result in a specific adverse impact on public health or safety. Staff and the City Attorney have determined that the concession to waive the undergrounding requirement does not meet will result in a significant adverse impact on public health or safety; therefore, the request does not meet the findings for approval. The finding for denial can be referenced in Section 3 of Planning Commission Resolution No. PC2026-0004, attached to this staff report. The project has been conditioned to comply with undergrounding requirements, and the Memorandum of Understanding reflecting this position is included as Exhibit B.

Public Outreach:

The applicant has conducted neighborhood outreach to inform residents and solicit feedback on the proposed project. On December 3, 2025, the applicant door-knocked homes along Barbara Street, speaking directly with adjacent residents about the project and an upcoming neighborhood meeting that was to be held. The meeting was held the following day, December 4, 2025, at the Carolyn Owens Community Center. Approximately 30 individuals attended the neighborhood meeting. At the meeting, various questions and concerns were brought up about traffic, including why access could not be from Riverside Drive rather than Magnolia Avenue; the adequacy of onsite parking given the number of three and four bedroom units; whether existing overhead power lines would be undergrounded stating that there could be safety issues keeping them above ground; reduced setbacks; potential noise from air conditioning units near the southern property line; possible light spillover; new walls at the south property line due to the grade difference between the project site and the existing properties; and project timing was discussed. In response to the meeting, the applicant made revisions to the architecture and

landscape design by eliminating views off the upper balconies that faced the existing homes to the south and including additional landscape material along the southern property line. Staff received an email from a resident on January 7, 2026, to express concerns of the residents, which is attached as Exhibit C.

As follow up, the applicant met individually on March 13, 2026, with a nearby resident and his spouse to discuss the project's status and design. The resident and his spouse requested that the project consider an all-way stop at Barbara Street and Magnolia Avenue. Following consultation with the City Traffic Engineer, this improvement was determined to be infeasible due to the proximity of Barbara Street to the intersection of Magnolia Avenue and Riverside Drive. The applicant also addressed questions regarding the potential use of a concession to reduce project density. Most recently, on April 10, 2026, the applicant again conducted door-to-door outreach along Barbara Street to have follow up discussions on the project and to notify residents about the upcoming Planning Commission hearing.

Public Noticing

A 10-day notice was mailed to all property owners within a 300-foot radius of the project site. In addition, a notice was published in the Chino Champion on May 9, 2026, and the City sent information out on the City's social media platforms. In response to the public notice, no comments have been received. The notice exceeds legal noticing requirements.

ENVIRONMENTAL REVIEW

The proposed project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) per Section 15332 of the guidelines -Infill Development projects. The exemption applies to infill projects that are consistent with the General Plan and Zoning Requirements; are located on a project site of no more than 5 acres substantially surrounded by urban uses; are located on a site that has no value for habitat for endangered, rare or threatened species; will not result in significant effects relating to traffic, noise, air quality, or water quality; and are located on a site that can be adequately served by utilities and public services. The proposed Project is located on 3.93 acres of land and fully surrounded by existing development. Furthermore, none of the exceptions to the categorical exemptions set forth in the CEQA Guidelines 15300.2, apply to this project. The Exemption report is attached as Exhibit D.

Attachments: Exhibit A1 – Project Description with waiver requests

Exhibit A2 – Waiver Exhibit

Exhibit B – Memo

Exhibit C – Email from resident

Exhibit D - Exemption report

RESOLUTION NO. PC2026-004

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CHINO, CALIFORNIA, APPROVING PL25-0067 (SITE APPROVAL) AND PL25-0068 (TTM 20794) TO SUBDIVIDE 3.76 ADJUSTED GROSS ACRES OF LAND INTO ONE LOT, FOR CONDOMINIUM PURPOSES FOR THE CONSTRUCTION OF A 100-UNIT, 17 BUILDING RESIDENTIAL FOR-SALE PROJECT AT A DENSITY OF 26.6 DWELLING UNITS PER ACRE WITHIN THE CG (GENERAL COMMERCIAL) ZONING DISTRICT WITHIN THE AFFORDABLE HOUSING OVERLAY (AHO) AND A 0.17-ACRE LOT IN THE CG ZONING DISTRICT. THIS PROJECT IS LOCATED AT THE SOUTHWEST CORNER OF RIVERSIDE DRIVE AND MAGNOLIA AVENUE. (APNS: 1020-111-01 AND -02)

WHEREAS, the Chino 2021-2029 Housing Element (Housing Element) update was adopted by the City Council on January 4, 2022, with revisions to the Housing Element being adopted in December 2024. The Housing Element established an Affordable Housing Overlay (AHO) and Mixed Use Overlay (MUO) on sites throughout the City that had been identified during the drafting of the Housing Element as a strategy for meeting the City's Regional Housing Need Assessment (RHNA) numbers. Housing sites within both overlays allow for residential development of up to 30 dwelling units per acre (du/ac) provided that projects provide affordable housing for moderate, low, to very low-income households; and

WHEREAS, Regent Land Company (the "Applicant"), filed a preliminary application with the City of Chino (the "City") on May 29, 2025 and concurrently filed an application for approval of PL25-0067 (Site Approval) and PL25-0068 (Tentative Tract Map No. 20794) (the "Project") to construct a 100-unit residential for-sale project consisting of 17 three-story buildings on 3.76 adjusted gross acres of land at a density of 26.6 dwelling units per acre within the CG (General Commercial) zoning district within the Affordable Housing Overlay (AHO) and 0.17-acre lot in the CG zoning district. The project is located on the southwest corner of Riverside Drive and Magnolia Avenue (APNs: 1020-111-01 and -02); and

WHEREAS, the Planning Commission of the City of Chino has completed its study of the proposed Project; and

WHEREAS**,** on May 20, 2026, the Planning Commission held a duly noticed public hearing for the Project in compliance with law, including compliance with the relevant provisions of the California Government Code and Chino Municipal Code, entertained the written and oral report of staff, and took public testimony on the Project.

NOW, THEREFORE, the Planning Commission of the City of Chino, California, does hereby FIND, DETERMINE, and RESOLVE as follows:

A. The foregoing recitals are true and correct and incorporated herein.

B. Based on substantial evidence, both written and oral, from the public hearing, the Planning Commission makes the following findings and takes the following actions on PL25-004 (Site Approval):

1. *PL25-0067 (Site Approval)*

a. The proposed Project is consistent with the goals and policies of the City's adopted General Plan and/or applicable specific plan(s), as General Plan Goal LU-1 aims to enhance livability in the City, with Objective LU-1.1 encouraging a variety of housing types that meet the housing needs of residents of all income levels in Chino. Further, the Project is a proposal for a 100-unit for sale community located within the Affordable Housing Overlay (AHO) and has been designed to meet applicable development standards and design guidelines, with the exception of specified deviations from standards, or waivers, as is permitted by SDBL;

b. The proposed Project is permitted within the zoning district in which it is proposed and complies with all applicable provisions of the City's Zoning Code. The Project site is located within the AHO, which allows for residential projects with affordable units. The proposed Project is for the development of 17 three-story buildings, with 100 units, totaling 217,704 square feet on 3.76 adjusted gross acres of land at a density of 26.6 units per acre, and offering 10 percent of moderate-income units, which is permitted per the AHO. The Project complies with development standards, with the exception of the requested waivers pursuant to State Density Bonus Law (SDBL) in the AHO ordinance;

c. The subject site is physically suitable, including, but not limited to, parcel size, shape, access and availability of utilities, for the type and intensity of use proposed, as all minimum zoning requirements governing parcel size, shape, access, type and intensity of development have been met or exceeded. The proposed residential development is consistent with development standards in the AHO ordinance and with the development guidelines and standards of the City's Zoning Code, with the exception of specified deviations from standards, or waivers, as is permitted by SDBL. Additionally, the appropriate infrastructure and public improvements are conditioned to be constructed with the development;

d. The subject site for the Project relates to streets and highways properly designed, both as to width and type of pavement to carry the type and quantity of traffic generated by the proposed Project, in that the Project site will have direct access from Magnolia Avenue and is within close proximity to Riverside Drive, all of which have been designed to carry the type of traffic visiting the site;

e. The proposed Project is compatible with those on abutting properties and in the surrounding neighborhood, in that the Project consists of a 100-unit for-sale residential community consisting of 17 buildings surrounded by commercial uses to the north, and residential uses to the north, south and west. The site plan and architectural design incorporate appropriate transitions to nearby single-family homes, including a six-foot-high block wall with landscape along the southern boundary to minimize potential light, noise, and visual impacts. In addition, upper level balcony openings along the southern edge have been eliminated to help maintain privacy. The Project has been designed in compliance with all applicable development standards and design guidelines of the Affordable Housing Overlay;

f. The proposed location, size, and operating characteristics of the proposed Project will not be detrimental to the public interest, health, safety or general welfare, as the proposed residential use is consistent with the AHO. In addition, certain safeguards have been required of the proposed Project, which the Planning Commission deems necessary to protect the public health, safety, and general welfare. These safeguards (Conditions of Approval) are attached hereto as Exhibit "A";

g. The proposed Project will not have a significant adverse impact on the environment as the proposed project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) per Class 32, Section 15332 of the guidelines for In-fill Development Projects; and

h. The minimum safeguards necessary to protect the public health, safety and general welfare have been required of the proposed Project and have been imposed as conditions of project approval by the Chino Planning Commission. In addition, certain safeguards have been required of the proposed Project, which the Planning Commission deems necessary to protect the public health, safety, and general welfare. These safeguards (Conditions of Approval) are attached hereto as Exhibit "A".

2. *PL25-0068 (Tentative Tract Map No. 20794*)

a. *Consistency with Plans.* The proposed subdivision, together with the provisions for its design and improvements, is consistent with applicable General or Specific Plans of the City, as it is consistent with the City's General Plan, which designates the property as General Commercial (GC), and the proposed subdivision is consistent with that land use designation; and

b. *Consistency with Zoning*. The proposed subdivision is consistent with the provisions of the Chino Zoning Ordinance and other related ordinances, as the map complies with the CG zoning district, and other related ordinances,

in that the proposed map meets the requirements for lot sizes, required dedications, easements, and other requirements as outlined in the City's Zoning Code; and

c. *Suitability.* The site is physically suitable for the type and density of development, because all required on and off-site improvements necessary to accommodate the development will be provided in accordance with City requirements. The site is flat and does not have any development constraints that would hinder development, and the parcels created are of sufficient size and dimension to accommodate development consistent with and in accordance with the requirements of the CG zoning district within the AFO; and

d. *Environmental damage*. The design of the subdivision or the proposed improvements will not cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat; and

e. *Wastewater*. The discharge of waste from the proposed subdivision into a community sewer system will not result in violation of existing requirements prescribed by the California Regional Water Quality Control Board pursuant to Division 7 (commencing with Section 13000 of the Water Code); and

f. *Water service*. The review of the City Engineer or water service agency indicates there is sufficient water provided to the project site; and

g. *Soils and geology*. There are no adverse soil or geological conditions, according to a preliminary soils report or geological hazard report, or the subdivider has demonstrated to the satisfaction of Director of Development Services, City Engineer and Planning Commission that any adverse conditions can be corrected, as the necessary technical studies show the soil conditions are suitable for development; and

h. *Public health*. The design of the subdivision or the type of improvements will not cause serious public health problems; and

i. *Easements*. The design of the subdivision or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of property within the proposed subdivision; and

j. *Environmental documentation*. The environmental documentation is adequate and conforms with the provisions of the California Environmental Quality Act (CEQA), as the project is exempt from CEQA guidelines pursuant to Section 15332 – In-fill Development projects; and

k. *Agricultural suitability*. The proposed subdivision will not result in the subdivision of agricultural parcels to a size too small to sustain agricultural

use under the conditions for denial listed in Section 66474.4 of the Subdivision Map Act, as the property is not currently encumbered with any Williamson Act contracts.

3. *Density Bonus Waiver/Concession for Utility Undergrounding.* The Planning Commission finds that the Applicant's requested concession or waiver from the City's underground utility requirement pursuant to Chapter 13.32 of the Chino Municipal Code is denied. Pursuant to Chapter 13.32, titled "Underground Utility Devices," the City has determined that undergrounding utilities is necessary to protect public health, safety, and welfare by reducing risks to life and property during emergencies such as earthquakes, fires, and severe weather events, reducing hazards associated with downed or damaged utility lines, and maintaining safe visibility and access within the public right-of-way for pedestrians, motorists, and emergency responders. The Planning Commission further finds that the undergrounding requirement constitutes a fundamental public safety standard rather than a discretionary or primarily aesthetic requirement. Based upon the legislative findings contained in Chapter 13.32, the requested concession or waiver would potentially create specific adverse impacts on public health and safety that cannot be mitigated without requiring compliance with the undergrounding requirement. Accordingly, the requested concession or waiver does not qualify for approval under State Density Bonus Law Government Code section 65915(d) as Chapter 13.32 includes explicit legislative findings that undergrounding utilities is necessary to reduce hazards to life and property, particularly during emergencies, and to maintain safe visibility and access with in the public right of way, therefore all required utilities must be installed underground to protect public safety;

4. *CEQA Findings.* The proposed project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) per Section 15332 of the guidelines-Infill Development projects. The exemption applies to infill projects that are consistent with the General Plan and Zoning Requirements; are located on a project site of no more than 5 acres substantially surrounded by urban uses; are located on a site that has no value for habitat for endangered, rare or threatened species; will not result in significant effects relating to traffic, noise, air quality, or water quality; and are located on a site that can be adequately served by utilities and public services. The proposed Project is located on 3.93 acres of land and fully surrounded by existing development. Furthermore, none of the exceptions to the categorical exemptions set forth in the CEQA Guidelines 15300.2, apply to this project.

5. *Approval of PL25-0067 (Site Approval) and PL25-0068 (Tentative Tract Map No. 20794).* The Planning Commission hereby approves PL25-0067 (Site Approval) and PL25-0068 (Tentative Tract Map No. 20794) subject to the Conditions of Approval attached hereto as Exhibit "A". . The Planning Commission further denies the Applicant's requested concession from the City's underground utility requirements contained in Chapter 13.32 of the Chino Municipal Code for the reasons set forth herein. Applicant, including its successors and assigns, shall be

responsible for implementing and complying with all conditions set forth in Exhibit "A".

6. *Actions by the Planning Commission Secretary.* The Planning Commission Secretary is hereby directed to attest to the adoption of this Resolution as of the date set forth below and forthwith transmit a copy of this Resolution, by regular mail, to the Applicant at the address of record set forth in the Application.

PASSED, APPROVED, AND ADOPTED THIS 20TH DAY OF MAY 2026.

_____
PLANNING COMMISSION CHAIRPERSON

ATTEST:

_____
SECRETARY, PLANNING COMMISSION

State of California)
County of San Bernardino) §
City of Chino)

I hereby certify the foregoing Resolution was duly adopted by the Chino Planning Commission at a meeting held on the 20th day of May 2026 and entered in the minutes of said Commission.

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

_____
SECRETARY, PLANNING COMMISSION

Attachment: Exhibit “A” – Conditions of Approval

EXHIBIT A

DEPARTMENTAL
CONDITIONS OF APPROVAL

DATE: May 20, 2026

PROJECT FILE NO.: PL25-0067 (SA), PL25-0068 (Tentative Parcel Map No. 20794)

LOCATION: Southwest corner of Riverside Drive and Magnolia Avenue (APN: 1020-111-01 and -02)

APPLICANT: Regent Land Company

The departments listed below have reviewed the above referenced application. Those departments marked with an "X" have required conditions of approval to be imposed on the project.

Development Services Department –
- [X] Planning Division
- [ ] ADA Accessibility Division

Public Works Department –
- [X] Engineering Division
- [ ] Traffic Division

[X] Chino Valley Independent Fire District

[ ] Police Department

[ ] Finance Department

[ ] Community Services, Parks & Recreation Department

DEVELOPMENT SERVICES DEPARTMENT
PLANNING DIVISION CONDITIONS OF APPROVAL

DATE: May 20, 2026

PROJECT FILE NO.: PL25-0067 (Site Approval), PL25-0068 (Tentative Parcel Map No. 20794)

LOCATION: Southwest corner of Riverside Drive and Magnolia Avenue (APN: 1020-111-01 and -02)

APPLICANT: Regent Land Company

1.0 TIME LIMITS:

1.1. The above-referenced Site Approval shall expire on May 20, 2027 if Building Permits are not obtained. The above-referenced Tentative Parcel Map shall expire on May 20, 2028, if the final map is not recorded. The expiration date may be extended upon written request by the applicant on a City application form. The request must be received by the Director of Development Services at least 30 days prior to expiration of the application.

2.0 GENERAL REQUIREMENTS:

2.1. Failure to comply with any conditions of approval shall be deemed just cause for revocation of project approval by the Planning Commission.

2.2. The project shall proceed only in accordance with approved plans on file with the Development Services Department, the conditions contained herein and the Chino Municipal Code.

2.3. Approval of this request shall not waive compliance with all sections of the Chino Municipal Code, all applicable provisions of the Chino Municipal Code, other City ordinances, and applicable specific plans, except to the extent such requirements are superseded by the project's vested rights pursuant to SB 330 (Housing Crisis Act of 2019) and applicable provisions of State Density Bonus Law

2.4. All conditions of approval shall be completed to the satisfaction of the Director of Development Services.

2.5. Pursuant to Government Code Section 66020, the applicant is informed that the 90-day period in which the applicant may protest the fees, dedications, reservation or other exaction imposed on this project through the conditions of approval has begun.

2.6. In the event that any condition contained herein is determined to be invalid or legally unenforceable, then all remaining conditions shall remain in force.

2.7. In the event that any condition imposing a fee, exaction, dedication, or other mitigation measure is challenged by the project sponsors and/or other parties in an action filed in a court of law, which action is brought within the time period provided for by law, this approval shall be suspended pending dismissal of such action, the expiration of the limitation period applicable to such action, or final resolution of such action. If any condition is invalidated by a court of law, the applicable section of the entire project shall be reviewed by the City and substitute conditions may be imposed.

2.8. The applicant shall indemnify the City and its elected boards, commissions, officers, agents and employees and will hold and save them and each of them harmless from any and all actions, claims, liabilities, losses, damages, penalties, obligations and expenses, including but not limited to attorneys' fees and costs, (collectively "claims") against the City for any such claims and shall be responsible for any judgment arising therefrom. The City shall provide the applicant with notice of the pendency of such action and shall request that the applicant defend such action. The applicant may utilize the City Attorney's office or use legal counsel of its choosing, but shall reimburse the City for any necessary legal cost incurred by City, including for the City's required participation in defense of the claims. The applicant shall provide a deposit in the amount of 100% of the City's estimate, in its sole and absolute discretion, of the cost of litigation, including the cost of any award of attorney's fees, and shall make additional deposits as requested by City to keep the deposit at such level. If the applicant fails to provide or maintain the deposit, the City may abandon the action and the applicant shall pay all costs resulting therefrom and City shall have no liability to the applicant.

2.9. The City of Chino has an exclusive contract with Waste Management for all solid waste collection and hauling services within the City. The applicant shall be responsible for making arrangements with Waste Management for disposal of any/all construction debris or trash generated as a result of this permit. Waste Management can be reached at 1-800 423-9986.

2.10. Pursuant to Public Resources Code Section 21089 and Fish and Wildlife Code Section 711.4, the developer shall provide those fees marked [X] below in the form of a check made payable to the ***San Bernardino County Clerk of the Board of Supervisors***. **Project approval shall not be complete until the required fee(s) is (are) paid:**

[ ] $50 for the Notice of Determination filing fee.

[x] $50 for the Notice of Exemption filing fee.

[ ] $2,548.00 for the California Department of Fish and Wildlife Mitigated Negative Declaration fee.

[ ] $3,539.25 for the California Department of Fish and Wildlife Environmental Impact Report fee.

3.0 PRIOR TO RECORDATION OF THE FINAL MAP:

3.1. Three copies of Covenants, Conditions, and Restrictions (CC&R's) for the subdivision shall be prepared in and submitted for review and approval by the Development Services Department, Planning and Engineering Divisions, and the City Attorney. The approved CC&Rs shall be recorded concurrently with the final map and a recorded copy submitted to the Director of Development Services. The following items shall be included in the final CC&Rs.

3.1.1. Reciprocal agreement to assure maintenance of all common areas, including landscaping, site access points and off-street parking areas, and to assure common ingress and egress between parcels. The intent of the CC&R's is to assure that the entire project is designed and maintained in a uniform and comprehensive manner.

3.2. A Homeowners Association (HOA) shall be formed for the maintenance of private facilities held in common ownership, such as project landscaping and maintenance, lanes, private parks, entries, community facilities and project lighting.

3.3. **Special Affordable Housing Overlay Conditions:**

3.3.1. As a condition for the approval of a density bonus and additional incentive or incentives, the applicant shall agree to enter into a density bonus agreement with the City in a form approved by the

City Attorney and consistent with the requirements of Government Code section 65915 and other applicable state law. The City Manager is authorized to execute the density bonus agreement on behalf of the City. The executed density bonus agreement shall be recorded on the parcel or parcels designated for the construction of qualifying units, or donated for the purpose of constructing qualifying units. The approval and recordation shall occur prior to final map approval. The density bonus agreement shall be binding upon all future owners and successors in interest.

3.3.2. Since the project is utilizing the Affordable Housing Overlay component, the applicant shall enter into an Affordable Housing Overlay agreement with the City in a form approved by the City Attorney. This agreement may be combined with the density bonus agreement in the discretion of the City Attorney.

3.3.3. All fees, including City Attorney fees, associated with drafting and negotiating the density bonus agreement and Affordable Housing Overlay agreement shall be paid by the developer.

4.0 PRIOR TO THE ISSUANCE OF A BUILDING AND/OR GRADING PERMIT:

4.1. The developer shall pay development impact fees at the established rate, pursuant to Government Code Section 66007, the applicant shall make payment of fees at the time of impact. Additionally, all applicable fees shall comply with the fee protections established under the Senate Bill No. 330. Such fees may include, but not be limited to, new construction fee, park or open space fees, school fees, drainage fees, sewer fees, building permit and plan check fees

4.2. Comply with the City's "New Home Construction" Ordinance.

4.3. Revised plans, incorporating all conditions of approval, shall be submitted for review and approval by the Director of Development Services.

4.4. All plans shall be coordinated for consistency.

4.5. The developer shall submit one set of structural plans/construction documents. Said plans shall include one set of structural calculations, one set of Title 24 energy calculations, and one soils report. The developer shall also submit the above documents in digital format to the Building Division once approved prior to building permit.

4.6. A construction-phasing plan shall be submitted to and approved by the Deputy Director of Development Services prior to building permit issuance. This plan shall show which homes will be completed in which phases, and how each completed phase will be closed off from phases under construction so as to minimize conflict between construction vehicles, construction equipment, employees and residents, as applicable.

4.7. A construction management plan shall be submitted for review and approval by the Director of Development Services. The plan shall coordinate and address construction activities that may impact residents and/or surrounding businesses on site and in adjacent areas. Elements of the plan would contain, but not be limited to, the following:

a. Routing of construction equipment
b. Hours of operation
c. Dust control
d. Vector control
e. Vehicle, equipment, and personnel staging
f. Pre-construction meetings
g. Contractor/subcontractor acknowledgement, obligations, and penalties
h. Traffic control and coordination
i. Security and interim fencing
j. Signs posted on the site with a contact number for the job site construction manager and the City's Code Enforcement Division. Signs shall measure at least four feet by eight feet and shall be posted along every street frontage. The developer shall contact the City immediately upon any change in contact numbers.

4.8. A precise wall plan indicating the design, location and construction details of all walls and fences shall be submitted for review and approval by the Planning and Building Divisions. All perimeter and street-facing walls, including retaining walls, and pilasters shall be decorative in nature and shall comply with Chapter 20.10.080 of the Chino Municipal Code.

4.9. Prior to the issuance of any precise grading permit, detailed on-site landscaping and irrigation construction drawings along with a copy of the Planning Commission approved conceptual landscape plans and a copy of the conditions of approval shall be submitted for review and approval by the Director of Development Services. A grading permit will not be issued until the City's outside plan checker has completed one review of detailed landscape and irrigation plans for the development. Payment of the Landscape & Irrigation Plan Review Fee shall be due at the time of submittal. Plans shall be prepared to comply with the City's Water Efficient

Landscape Ordinance, adopted on October 6, 2015, Ordinance No. 2015-008, meet the requirements for a Landscape Documentation Package in accordance with Section 20.19.030 of the Landscape Ordinance, and shall bear the seal of a landscape architect registered with the state of California. If the site includes areas proposed to be placed within a City-maintained Landscape Maintenance District, plans shall be prepared on City of Chino, Engineering Division base sheets, and shall bear the seal of a landscape architect registered with the state of California. Original mylars shall be submitted to the City upon approval of plans by the City Engineer.

4.10. All ground-mounted utilities, including but not limited to cable television facilities, and telephone/fiber optic facilities, shall be undergrounded. Equipment that that is not placed underground such as SCE transformers, backflow prevention devices, irrigation valves and controllers used for common landscape areas shall be placed in areas out of public view and sufficiently screened. The location and method of screening of said utilities shall be reflected in a plan and shall be subject to the review and approval by the Director of Development Services.

4.11. All electrical panels and cabinets shall be completely screened. All electrical panels and cabinets shall be fully enclosed and integrated into and architecturally compatible with the building to the satisfaction of the Director of Development Services. The locations of the electrical panels and cabinets shall be reflected on a site plan and elevation(s) to be reviewed and approved by the Director of Development Services.

4.12. Prior to the issuance of a building permit, the approved grading plans shall be attached to the construction plan set. The project shall be built according to the plans approved by the Planning Commission on May 20, 2026, as prepared by KTGY Architecture and Planning and C&V Consulting, Inc. Any substantial modification to the project shall require Planning Commission review and approval. If minor in nature, the modification may be reviewed and approved by the Development Services Director.

4.13. Upon submittal of construction drawings to the Building Division for plan check review, all departmental conditions of approval for the project shall be included on the sheet following the title sheet, or the first sheet of the plans. A site plan shall also be attached to all sets of construction drawings. This condition shall be a minimum requirement for acceptance of construction drawings for the Building plan check review.

4.14. Mailboxes shall not interfere with free ingress or egress to the project site. The applicant shall contact the U.S. Postal Service to determine the appropriate type and location of mailboxes. The location and design of mailbox standards shall be indicated on the required landscape and irrigation plans. The design of the mailboxes shall be subject to the review and approval of the Director of Development Services.

4.15. **Special Conditions:**

4.15.1. A Water Quality Management Plan shall be prepared in accordance with County of San Bernardino requirements and submitted for review and approval by the City.

4.15.2. Approval of the conceptual landscape plan by the Planning Commission does not constitute final approval. The final landscape approval (during the plan check process and/or following installation) shall be subject to the review and approval of the City's Landscape Architect Consultant and the Director of Development Services. The City Landscape Architect or Director of Development Services may require additional/fewer trees, shrubs, vines, and ground cover as necessary, based on final site conditions during the landscape plan check process or field review process in order to mitigate any site conditions that were not apparent during either the Planning Commission review or plan check review process provided such changes remain in substantial conformance with the approved conceptual landscape plan.

4.15.3. Along the project's southern boundary adjacent to the existing single-family residences where landscape areas are available outside of the private yard spaces of each unit, the applicant shall install and maintain a continuous row of vertical landscape screening, consisting of Podocarpus or a comparable species of similar size. Plantings shall be spaced to form an effective visual screen and shall be capable of reaching a minimum height of ten (10) feet at maturity to provide adequate buffering. Final landscape design, including plant selection and spacing, shall be subject to the review and approval of the Director of Development Services.

4.15.4. Provide sufficient permanent landscape material at building entries and at garages, with particular emphasis on entries located between garage doors. Container or potted plants shall not be considered as meeting this requirement. All landscaping

shall be in substantial conformance with approved conceptual landscape plan.

4.15.5. The existing walls and fences along the project's southern shared boundary shall be removed, subject to the consent of all affected property owner(s). If unanimous consent is not obtained and any portion of the existing wall remains resulting in a double wall condition, the developer shall provide a continuous, durable seal between the walls to prevent the accumulation of water, debris, and other materials. Additionally, the applicant shall provide mailed notice to adjacent residential property owners to the south and west at least 30 days prior to constructing any perimeter wall and submit a copy of the notice to the Development Services Department. If the wall is proposed to be constructed on the property line between the properties, that applicant shall obtain approval by the residential property owners, to the satisfaction of the Building Official.

4.15.6. A detailed on-site exterior lighting plan shall be submitted for review and approval by the Director of Community Development. Plans shall be designed pursuant to Chino Municipal Code Section 20.10.090 *(Outdoor Lighting)* and shall indicate fixture design, illumination (photometric), location, height and method of shielding, so as not to adversely affect adjacent properties.

4.15.7. The applicant shall install light standards that shall be architecturally compatible with the exterior building design and color. Special consideration shall be given to the lighting along the south and west property boundaries to mitigate potential impacts to the adjacent residential properties, to the satisfaction of the Development Services Director.

4.15.8. Prior to building permit approval, the applicant shall prepare and submit a parking management plan to the Director of Development Services for review and approval. The plan may include, but is not limited to provisions such as requiring homeowners to utilize garage parking, conducting inspections of garage spaces, issuing guest parking permits, and establishing enforcement measures, penalties, and towing procedures. Upon City Approval, the applicant shall incorporate the approved parking management plan into the CC&Rs.

4.15.9. The buildings with balconies that side onto the south property line shall be designed and constructed to prevent direct views into the

rear yards of adjacent residential properties. No balcony openings, doors, or guardrails shall face the south property line. A solid wall shall be provided along the south side of each balcony, subject to review and approval by the Director of Development Services.

5.0 PRIOR TO START OF CONSTRUCTION:

5.1. A pre-construction meeting, scheduled with the Building Division, shall be held with all applicable City staff members, developer, contractor, superintendent, and all subcontractors prior to start of construction.

5.2. The approved construction management plan shall be distributed to all contractors and subcontractors and shall be maintained on-site through the duration of construction.

5.3. The applicant is required to contact the West Valley Mosquito and Vector Control District to determine if an inspection or field survey of potential vectors and their ectoparasites is necessary. If the District so determines, an inspection or field survey shall be conducted by the District, at the applicant's expense, prior to demolition or grading in order to protect the health of and reduce the risk of neighboring residents to vector-borne diseases. Based on the inspection or survey results, the applicant shall take appropriate vector control methods as recommended by the District.

6.0 PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY:

6.1. Detailed landscape and irrigation plans for the development shall be approved by the Director of Development Services. The fee for review of these plans by the City's outside plan checker shall be paid by the developer, including the City's Landscape & Irrigation Plan Review Fee.

6.2. All landscaping and irrigation shall be installed in accordance with plans on file with the Development Services Department, and irrigation systems fully operational. Furthermore, all landscaped areas shall be free of trash and debris.

6.3. A licensed landscape architect or contractor, or other licensed certified professional in a related field shall conduct a final field inspection and shall prepare a certificate of completion, which shall be filed with the Director of Development Services. The certificate of completion shall be prepared in accordance with Section 20.19.030.J of the Landscape Ordinance, and shall specifically indicate that plants were installed as specified by the landscape design plan, that the irrigation system was installed as specified

by the irrigation design plan, and that an irrigation audit has been performed. All landscape and irrigation audits shall be conducted by a landscape irrigation auditor. Landscape audits shall not be conducted by the person who designed the landscape or installed the landscape.

6.4. A landscape maintenance program for the entire project site shall be reviewed and approved by the Director of Development Services. The maintenance program shall include general landscape maintenance provisions for pruning, trimming, the replacement of any dead, decayed, or diseased vegetation, ongoing weed abatement, and replacement/repair of the irrigation system, when necessary. The landscape maintenance program shall be included with the contract with the landscape maintenance company to ensure they implement the maintenance program. In addition, the maintenance program should include provisions for periodic inspections to ensure the irrigation system is working properly, and all landscaping is being properly maintained.

6.5. To minimize damage to paved areas due to tree root growth, trees located within five (5) feet of any paved surface area shall be provided with root barriers unless it can be demonstrated, to the satisfaction of the Planning Division, that the root growth characteristics of the type of tree proposed does not warrant their installation.

6.6. A 6-foot-high decorative masonry block wall shall be constructed along the west and south perimeter of the tract and at all street side yards on the interior of the tract. Furthermore, decorative fencing and walls shall be installed along the front property line and around all private yard areas for each unit as defined by and in accordance with the project's fence and wall plans with appropriate gates for rear yard access. All gates shall utilize decorative materials to tie in with the architecture of the adjacent unit and shall be steel-framed with a seal coat to protect against weather depreciation.

6.7. All residential units shall have Category 5e wiring or similar data-transfer/network wiring system installed throughout the unit, including the kitchen, bedrooms, and office/tech centers.

6.8. Prior to issuance of a certificate of occupancy for the final unit, any temporary sales and/or construction office buildings/trailers shall be removed from the site.

6.9. Air conditioning condenser units shall be shall be placed in areas out of public view or shall be sufficiently screened subject to the review and approval by the Director of Development Services..

6.10. In order to inform new homeowners of various impacts they may experience, the applicant is required to provide the following disclosure notices. Every homeowner shall sign these notices, acknowledging that they have reviewed and understand their contents, and copies of the signed notices shall be provided to the Planning Division prior to the issuance of a certificate of occupancy for each respective unit:

6.10.1. Notification of the existing land use, zoning and general plan land use designation for properties within 1,320 feet of the proposed subdivision shall be presented to all customers and future homeowners. The notice, as well as posting and signature requirements, shall conform to Sections 15.40.020 and 5.04.220 of the Chino Municipal Code.

7.0 ENVIRONMENTAL REQUIREMENTS & MITIGATION MEASURES:

7.1. A preconstruction survey shall be conducted no more than 72 hours prior to ground disturbance including clearing, grubbing or grading of the site to ensure that no burrowing owls are occupying the project area.

8.0 OTHER REQUIREMENTS:

8.1. All existing buildings or structures on the project site that are proposed to be demolished shall be removed or razed prior to issuance of a grading permit. The Director of Development Services may approve an extension of time to complete the demolition, based on evidence that the applicant has exercised reasonable progress.

8.2. The project site shall be cleared of all trash, debris, weeds, and other discarded items in compliance with CMC 8.50.040.

8.3. All signs, including subdivision and/or realty signs proposed for this development shall be designed to conform to the Sign Ordinance and shall require separate application and approval by the Planning and Building Divisions prior to installation.

8.4. All building drainage gutters, down spouts, vents, etc., located on the exterior walls shall be architecturally compatible with the exterior building design and color, to the satisfaction of the Director of Development Services, or shall be completely concealed from view.

8.5. Any revision to plotting and/or elevation changes for residential projects shall be subject to review and approval by the Director of Development

Services. If the proposed revisions are substantial, then the Director may require that the Planning Commission review and approve them. To ensure that the appropriate variation of units is maintained, the applicant shall, at a minimum, submit a revised colored site plan, a table identifying the revised unit count, and an exhibit showing the revised streetscene(s). Additional information may be required depending on the nature of the changes.

8.6. The community open space area with play equipment shall be fully constructed prior to occupancy of any residential unit within Tract 20794. A 30-day time extension may be permitted subject to approval by the Director of Development Services.

8.7. **Special Conditions**:

8.7.1. Special landscape features, such as raised planters, boulders, rockscapes, pavers and intensified landscaping, shall be provided where new local streets intersect with existing arterial or collector streets for the purpose of defining the neighborhood entry. Furthermore, special landscape features shall be provided at Riverside Drive, in accordance with the landscape plans.

8.7.2. Stone, brick, and other masonry veneers, where used, shall be applied to within four inches of the finished grade.

8.8. Phased Projects:

8.8.1. All required street improvements and a minimum of 10 feet of landscaping on private property shall be installed in conjunction with the construction of Phase 1 of the proposed project. The landscaping within this area shall be included in the landscape maintenance program, which shall be provided pursuant to Condition No. 6.4.

8.8.2. Prior to the first occupancy permit, all undeveloped building pads shall be improved according to the following requirements:

8.8.2.1. For an undeveloped building pad located adjacent to the street or main drive aisle of the site, the area shall be landscaped with a planting scheme consisting of a low-maintenance drought tolerant erosion control mix of Cucamonga brome (20 lbs /acre), tomcat clover (4 lbs/acre and small fescue (8 lbs/acre) at a minimum of 85 percent PLS (pure live seed). The irrigation system

shall consist of low precipitation sprinkler heads and/or drip system. In addition, shrubs may be required to provide screening from the street, if determined needed by the Director of Development Services. Said treatment shall be incorporated into the required landscape and irrigation plans, and the landscape maintenance program, as required by Condition No. 3.14.4.

8.8.2.2. For a larger phased area located on the interior of the site, a construction fence/green screen may be provided in lieu of the landscape treatment. The fence shall be maintained in good condition at all times.

8.9. All new residential development shall comply with the mandatory measures contained in Chapter 4 of the California Green Building Code and the selected voluntary measure contained in Appendix A4 and identified in Section 15.45.030 (Residential Development) of the Chino Municipal Code.

8.10. Consistent with Section 15.45.050 (Model Homes) of the Chino Municipal Code, at least one model home/unit for each residential development shall offer and display energy-saving options and signage identifying standard and optional features that contribute to the overall efficiency of the home. Handout materials shall be made available in the model home describing the optional features, including costs, benefits, energy savings, etc.

8.11. Per Section 15.45.070 of the Chino Municipal Code, demonstrate consistency with the Chino Climate Action Plan by implementing one of the following three options:

a) Exceed the mandatory California Energy Code Title 24, Part 6 standards in effect at the time of application submittal by 5%; or
b) Achieve an equivalent reduction through voluntary measures in the California Green Building Standards Code, Title 24, Part 11 (CALGreen) in effect at the time of application submittal; or
c) Provide other equivalent greenhouse gas (GHG) reductions through measures including but not limited to, non-vehicle transportation infrastructure, transit, ZEV (zero emission vehicle) infrastructure or other incentives, waste diversion, water conservation, tree planting, renewable energy option packages, or any combination of these or other measures such that GHG emissions are reduced by 0.74 MT CO2e per residential dwelling unit per year and/or per TSF of commercial/industrial use per year.

Applicants that choose Option a described above will be required to verify that their project meets the 5% improvement above the mandatory standards through the appropriate certificate of compliance form for residential construction (CF-1R) or for commercial/industrial construction (PERF-1C). Applicants that choose Options b or c described above will be required to utilize the GHG Performance Standard Checklist developed by the City, or provide other valid documentation, such as CalEEMod or other methodologies, as verified by the Director of Development Services to demonstrate the required GHG reductions consistent with the City's CAP.

9.0 CONSTRUCTION SITE SECRURITY:

9.1. Each site shall be completely encircled by a minimum 6’ tall security-quality chain link fence once precise grading has been completed or as determined by the Deputy Director of Development Services.

9.2. Tennis court or similar screening material shall be securely attached for the length of the fence, excluding gates and 10' on either side of gates.

9.3. Each site shall have only one entry/exit gate, or as approved by the Planning Division.

9.4. Gate hinge pins shall be spot-welded or altered in such a way as to prevent easy removal.

9.5. Each gate shall have a casehardened lock and chain, or other equivalent security hardware.

9.6. “No Trespassing” signs shall be attached to the exterior of the fence at a minimum distance of a third of a mile and at all entrances.

9.7. On or near the exterior of each gate will be a sign with the address of the site in no less than 6" letters. Both the number and street name will be listed on the sign. The address posted will be used for the entire site until the fence is removed and individual addresses assigned.

9.8. Office trailers and tool bins shall be placed adjacent to gates inside the property to allow observation from outside.

9.9. Lighting on trailers and bins is desirable but shall be directed into the property so as not to impede outside observation or endanger nearby traffic with glare.

9.10. Tool bins shall be secured with casehardened locks, preferably with lock guards.

9.11. A sign stating that theft is not acceptable on the site and will be reported to the police, or wording to that effect, will be displayed prominently near each entrance.

9.12. Each site will have an assigned Crime Prevention Manager who is responsible for the following:

a. Providing his/her name and 24-hour telephone access number to the Chino Police Department.
b. Have available at all times the names and 24-hour contact numbers for all subcontractors.
c. Have the authority to speak for the development/owners on matters concerning trespassing and other criminal matters.
d. Complete routine fence inspections and arrange for prompt repairs or removal of any damage, graffiti, or loose screening.
e. Ensure that no work or maintenance of construction equipment is being performed on the site between 8 p.m. and 7 a.m.
f. Ensure that all above security requirements are complied with, and that all security hardware, fencing, and lighting are maintained in working order.
g. Ensure that thefts are immediately reported to the police department and that reasonable steps are taken, if evident, to prevent future similar incidents.

PUBLIC WORKS CONDITIONS OF APPROVAL

TRACT MAP NO. 20794

DATE: April 14, 2026 PC MEETING DATE: May 20, 2026

PROJECT DESCRIPTION: 100 townhome development on 3.96 acres (SB-330)

PROJECT LOCATION: SW corner of Riverside Dr and Magnolia Ave

APPLICANT: Regent Land Company PROJECT ENGINEER: Daniel Aguirre

PRIOR TO THE FOUR MAJOR DEVELOPMENT EVENTS, THE APPLICANT SHALL SATISFY AND FULFILL ALL CONDITIONS OUTLINED BELOW. FAILURE TO COMPLY WITH ANY CONDITIONS OF APPROVAL SHALL BE DEEMED JUST CAUSE FOR REVOCATION OF PROJECT APPROVAL BY THE PLANNING COMMISSION. HOWEVER, THE PUBLIC WORKS DIRECTOR SHALL HAVE THE AUTHORITY TO APPROVE MINOR DEVIATIONS IN THE CONDITIONS OF APPROVAL, AND ALL PLANS INCLUDING THE CONSTRUCTION DRAWINGS.

1.0 PRIOR TO MAP RECORDATION:

1.1 Provide a preliminary Title Report no older than 60 days.

1.2 Submit a soils/geology report in accordance with Appendix J of the California Building Code, latest edition to the project engineer for review and approval.

1.3 Dedicate to the City a 26-foot-wide easement for all proposed private drives for fire lane and public and private utility access purposes.

1.3a Dedicate to the City an easement for the 8-inch water meter located on Magnolia Ave.

1.3b Prepare and record necessary drainage easements to implement the project in accordance with drainage law.

1.4 Provide a set of proposed Covenants, Conditions and Restrictions (CC&R) for review and approval. The proposed CC&Rs shall contain the Association's/Owner's maintenance obligations with respect to various facilities including, but not limited to, right-of-way landscaping, private streets, sidewalks, utilities, streetlights, and Water Quality Management Plan (WQMP) features. This document must be submitted to and approved by the City before it is submitted to any other governmental entity.

1.5 Execute a Subdivision Agreement and submit security in an amount acceptable to the City Engineer to guarantee construction of the public improvements listed in 2.8. All security must be accessible to the City at any time and in a form acceptable to the City Engineer, pursuant to Government Code, Section 66499.

1.6 Provide a Monumentation Bond in an amount specified in writing by a Registered Engineer or Licensed Land Surveyor of Record.

1.7 Complete and file the petition for annexation of your project property to the City's Landscape and Street Lighting Maintenance District MD 2002-1, which shall not be unreasonably denied.

1.8 Submit a list of proposed street names for the interior streets to the Street Naming Committee for name(s) selection.

1.9 Comply with all applicable requirements of the City Municipal Code, except as otherwise provided by vested rights pursuant to California Government Code Section 65589.5 (Senate Bill 330), based on a qualifying preliminary application submitted on May 29, 2025.

1.10 Provide a Pedestrian Accessibility Plan that labels and indicates the path location and conceptual design of the following structures and facilities:

a. Sidewalks and walks (public right of way sidewalk, walks within the development);
b. Curb ramps (should be directional with one curb ramp provided for each pedestrian crossing and shall comply with the City's Policy on Accessible Pedestrian Facilities);
c. Pedestrian crossings at driveways;
d. Crosswalks (marked, unmarked, signalized); and
e. Path of travel from right-of-way to recreation facilities (parks, restroom, etc.)

1.11 The Pedestrian Accessibility Plan requested in 1.10 should clearly indicate structures that are proposed with this site and future per other phases and/or site plans. Pedestrian facilities (privately or publicly owned) that are open to the public shall comply with accessibility standards in the City's Policy on Accessible Pedestrian Facilities, the current edition of the CBC in effect at the time of building permit issuance or, if no permit, the date construction commences, and Part 36 of Title 28 of the Americans with Disabilities Act (ADA) regulations, which include the 2010 ADA Standards.

1.12 Existing pedestrian facilities on the frontage of the development, open to the public within the development, shall be evaluated for accessibility. The street frontage includes all adjacent pedestrian facilities, created by, extended from, or connected to any required or provided sidewalks improvements. The frontage may include sidewalks, curb ramps, connecting crosswalks (marked and unmarked), and other associated pedestrian facilities.

a. The following existing improvements shall be made compliant with accessibility regulations as a part of this project:
   i. sidewalks/walks
   ii. curb ramps at the SW and SE corners of Riverside Dr and Magnolia Ave
   iii. crosswalk pavement and associated pedestrian facilities (pedestrian push buttons, maneuvering space, clear space)
   iv. driveway approaches crossings

b. Improvements that are non-compliant with the accessibility standards in effect at the time of construction or alteration, shall be brought up to current accessibility standards. This work shall be incorporated into the scope of this project and shall be completed prior to acceptance by the City.
c. Improvements that are compliant with the accessibility standards in effect at the time of construction, shall be documented on a separate construction plan with detailed specifications (running and cross slopes of all pedestrian walking surfaces, locations, dimensions and slopes of maneuvering spaces and landings, width of sidewalk, clear width and vertical clearance from obstructions). The accessibility of existing improvements will be verified by City inspection staff upon completion of the project. Discrepancies between documented existing conditions and existing conditions as measured by City staff shall be remediated and brought up to accessibility standards as part of the project.

1.13 Pay all applicable fees pursuant to City Municipal Code including, but not limited to, plan check fees.

2.0 PRIOR TO ISSUANCE OF BUILDING PERMITS FOR ANY LOT WITHIN THE SUBDIVISION/ PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS:

2.1 Record Tract Map No. 20794 pursuant to the Subdivision Map Act and in accordance with the City Municipal Code prior to issuance of building permits for residential structures. Construction permits for grading activities, on-site utility installation, public improvements, and model home construction may be issued prior to recordation of the final tract map, subject to approval of applicable plans and execution of a subdivision improvement agreement and associated securities. Provide a duplicate photo Mylar of the recorded map to the City Engineer's office.

2.2 All required plans and studies shall be prepared by a Registered Professional Engineer and submitted to the project engineer for review and approval. All project plans must be approved by the City Engineer's office before a Building Permit will be issued. All maps, studies, calculation sheets, reports, etc. must be on and/or folded in an 11-inch x 8 1/2-inch standard format.

2.3 Prepare and submit a drainage study, including supporting hydraulic and hydrological data to the project engineer for approval. The study shall confirm or recommend changes to the City's adopted Master Drainage Plan by identifying off-site and on-site storm water runoff impacts resulting from build-out of permitted General Plan land uses. In addition, the study shall identify the project's contribution and shall provide locations and sizes of catchments and system connection points and all downstream drainage-mitigating measures.

2.4 Prepare and submit a final grading plan showing building footprints, pad elevations, finished grades, drainage routes, retaining walls, erosion control, slope easements and other pertinent information in accordance with Appendix J of the California Building Code, latest edition.

2.5 Provide a certificate, from a Registered Civil Engineer, certifying that the finished grading has been completed in accordance with the City approved grading plan.

2.6 Design full public improvements for all impacted and interior streets/facilities in accordance with the City Municipal Code, Standards and Specifications. Such public improvements may include, but not be limited to the following:

	Street Names			
	Riverside Dr. (1)	Magnolia Ave. (1)		
Curb & Gutter (Offset from Centerline) (2)	X (40')	X (22')		
Sidewalk (Width) (3)	X (5')	X (5')		
Asphalt Concrete Pavement on Aggregate Base (Width from Centerline) (4)	X (32')	X (19')		
Asphalt Concrete Overlay (5)	X	X		
Street Lights (6)	X	X		
Median Island and Landscaping				
Parkway Landscaping (7)	X	X		
Striping and Traffic Controls (8)	X	X		
Traffic Signal Plans (9)	X	X		
Conduit System for CATV				
Sewer (10)		X		
Storm Drain				
Domestic Water (11)		X		
Recycled Water				
Fire Hydrants as required by CVIFD (12)	X	X		
Driveway (13)		X		

(1) The public improvements listed shall be made as specified in our municipal code and per the City of Chino's General Plan. All required street improvements shall follow the new City standard for street trenching backfill and repair. Repair all damage to existing public improvements due to the proposed construction activities and as requested by the Public Works Inspector.
(2) Repair and replace all damaged, or deficient curb and gutter along the entire project frontage in accordance with current City standards and specifications.
(3) The existing sidewalk along Riverside Dr and Magnolia Ave shall be removed and replaced with ROW adjacent sidewalk. ADA ramps at the southwest and southeast corners of Riverside Dr and Magnolia Ave shall be reconstructed to meet current ADA standards. Also, see COA 1.12.
(4) Full pavement rehabilitation to include a 1-foot width section adjacent to the existing street gutter, along the entire project frontage on Riverside Dr and Magnolia Ave. The crosswalk connecting the southwest and southeast corners may also be required to be reconstructed to meet current ADA standards. Also, see COA 1.12.
(5) Grind and overlay a minimum of two (2) inches of the existing asphalt pavement along the project frontage in accordance with City of Chino standards. The limits of work shall extend to the street centerline along Magnolia Ave and across the full width of the two lanes adjacent to the project along Riverside Dr. Based on the existing road conditions, additional pavement rehabilitation may be required as directed by City staff.
(6) Streetlights shall be installed per City of Chino standards and shall utilize an unmetered service pedestal.
(7) The parkway maintenance shall be the responsibility of the property owner.
(8) Extent of the signing & striping plan shall be dictated by the City Traffic Engineer based on area of disturbance.
(9) A traffic signal modification plan for the Riverside Dr and Magnolia Ave traffic signals may be required, subject to the design and configuration of the proposed ADA ramps. Also, see COA 2.17.
(10) Sewer connection shall be made to the existing sewer mainline in Magnolia Ave. Public sewer mains shall be located only within public streets; otherwise, sewer mains shall be private. Abandon unused sewer service(s) where applicable, per City standards.
(11) Water connections shall be made to the existing water mainline in Magnolia Ave. Provide new water meters and services and abandon unused water meters and services where applicable, per City standards.

(12) All new and existing fire hydrants, that require relocation, will need to be upgraded to the latest model per City of Chino standards.
(13) All proposed driveway approaches shall be constructed per City Std. No. 240 with 5-ft sidewalks. Minimum radii per City and Chino Valley Independent Fire District (CVIFD) requirements.

2.7 All improvements shall comply with federal, state, and local accessibility regulations and standards.

a. The review or approval of plans and specifications by the City does not permit the violation of any section of the federal law, state law, building code, or local ordinance.

b. Where accessibility standards are contradictory, the provision that provides the most accessible (restrictive) condition shall apply.

c. Where the project's conditions of approval conflict with accessibility regulations and standards, the prevailing provision shall be determined by City's Accessibility Coordinator and City Engineer.

Pedestrian facilities (privately or publicly owned) that are open to the public shall comply with the City's Policy on Accessible Pedestrian Facilities, accessibility standards in the CBC, and ADA regulations at Part 36 of Title 28, which include the 2010 (ADA) Standards.

Accessibility of existing and proposed building improvements will be evaluated by the City's building department. Those comments and requests are in addition to those provided herein.

2.8 Obtain design and plan approval from appropriate utility companies for undergrounding all utility lines adjoining and interior to the project, including power lines of 34.5 kV or less, pursuant to City Municipal Code, Chapter 13.32. The applicant shall provide documentation, in the form of e-mail correspondence or formal letters, demonstrating coordination with all applicable utility providers.

2.9 Pay all applicable fees pursuant to the City Municipal Code including, but not limited to, the Development Impact Fees (DIF) and Sewage Facilities Development Fee (SFDF). The actual amount of fees due to the City shall be based on the fee schedule in effect on the date the fees are due or paid, whichever occurs last.

Notwithstanding the above, the Project is subject to vested rights pursuant to California Government Code Section 65589.5 (Senate Bill 330), based on a qualifying preliminary application submitted on May 29, 2025. Accordingly, the applicable fees shall be those in effect at the time such vesting rights were established, consistent with State law.

The fee amount stated in this notice is subject to change based on (1) annual adjustments for inflation pursuant to Chino Municipal Code Chapters 3.40.100 or 3.45.100, (2) revisions to the Chino Municipal Code, and (3) updates to the fee studies and nexus reports adopted by the City, except as otherwise required by applicable vesting laws. Developer is solely responsible for remaining informed of changes in fee amounts. The City shall have no obligation to inform Developer of such changes unless Developer requests notice pursuant to Government Code Section 66019(b) and Chino Municipal Code Chapters 3.40.080(B) or 3.45.080(B).

2.10 All projects developing one (1) acre or more of total land area, or which are part of a larger phased development that will disturb one acre of land, are required to obtain coverage under the State Water Resources Control Board's (SWRCB) General Permit for storm water discharges associated with construction activity. Proof of filing a Notice of Intent (NOI) with the SWRCB for coverage under this permit is required. A copy of the Waste Discharger's Identification Number (WDID),

issued by the SWRCB, must be submitted to the Project Engineer prior to issuance of grading permits. More detailed information regarding this General Permit, applicable fee information and the necessary forms to complete the NOI are available by calling (916) 341-5537 or on the SWRCB web site at http://www.swrcb.ca.gov/water_issues/programs/stormwater/constpermits.shtml

2.11 Pursuant to Santa Ana Regional Water Quality Control Board Order Number R8-2010-0036, NPDES Permit No. CAS618036, prepare a project-specific Water Quality Management Plan (WQMP) and submit to the project engineer for review and approval. To address NPDES Permit requirements to the maximum extent practicable, the project shall be designed to specify preferential use of Low Impact Development Best Management Practices that reduce pollutants and runoff volume through structural measures (e.g. infiltration, harvesting, and bio-treatment) and non-structural measures (e.g. preserving natural areas, clustering development, and reducing impervious areas). The WQMP shall conform to the requirements of the San Bernardino County Stormwater Program, 2013 WQMP Technical Guidance Document and include the Trash Order Implementation Plan requirements.

2.12 Any future maintenance and repair of sewer laterals, except for the portion of lateral located within the public right-of-way or public easement, and domestic water or fire service laterals to the project site shall be the sole responsibility of the applicant/property owner in accordance with City Code, Chapter 13.04.175 and 13.12.150.

2.13 Potable water to be used for grading operations, dust control activities, and common area/public landscape irrigation.

2.14 All public street corners shall have a minimum curb radii per City Municipal Code, Chapter 19.06 and City Standards and Specifications.

2.15 Provide adequate sight distance (per City Standard No. 865) for each project driveway and at all intersections. Landscaping type and height shall be maintained to ensure sight distance requirements are perpetuated.

2.16 Submit to the City electronic files, in Adobe Acrobat PDF format, of all submittals, including reports, studies, improvement plans, and City redlines of previous submittals. Include AutoCAD and Esri GIS shape files as an e-transmitted zip file of all approved improvement plans.

2.17 If required, the Developer shall be responsible for the modification or relocation of the traffic signal at Riverside Dr and Magnolia Ave, subject to the design and configuration of the proposed ADA ramps. During construction, the developer shall be responsible for any damages attributed to the construction of related public improvements and shall coordinate with the Transportation Division and the City's designated traffic signal maintenance company for technical support of the traffic signal during construction until such time as the improvements are accepted by the City to the satisfaction of the City Engineer.

2.18 Comply with all requirements of the Traffic Impact Analysis (TIA) dated November 26, 2025 including participation in fair share contributions and construction of required improvements.

2.19 (I) Annex into the current services special tax community facilities district of the City (the "City Services CFD") through the submission of an application to the City's Finance Department along with the payment of $11,000.00 plus the per parcel fee, for the City's outside costs of the annexation process, or (II) form a new City community facilities district with a services special tax component commensurate with the City Services CFD, or (III) provide a lump sum payment to the City which, based on current interest rate conditions, is projected to finance in perpetuity the same services projected to be provided through annexation into the City Services CFD. Upon completion of the annexation, an annual special tax will be assessed on the property tax bill to each Assessor

Parcel at an established rate set by the City Services CFD document entitled “Rate and Method of Apportionment” available for review in the CFD Annual Report located at:

https://www.cityofchino.org/222/Community-Facilities-District-Mello-Roos

This annual tax is used to fund Police, Fire and other municipal services provided to residents and businesses in the general City.

3.0 PRIOR TO REQUEST AND RELEASE OF ANY OCCUPANCY PERMITS:

3.1 Construct and secure Public Works Department approval of all public facilities enumerated under Section 2.6 above (per Resolution No. 88-23).

3.2 Underground all utility lines adjoining and interior to the project, including power lines of 34.5kV or less in accordance with City Municipal Code, Chapter 13.32.

3.3 Distribute for signature of all buyers, the information and disclosure notice announcing that the development will be annexed to the City's Landscape and Street Lighting Maintenance Assessment District before transfer of property title and completion and acceptance of all public improvements.

3.4 The applicant’s Civil Engineer shall field verify that all BMPs are designed, constructed, and functional in accordance with the approved WQMP. BMPs shall also be inspected by Public Works Environmental staff. Coordinate inspection with staff and submit a completed City of Chino BMP field verification form for review and approval.

3.5 Rehabilitate all street pavement impacted by utility trench repairs as directed by City staff. Install signing and striping per approved plans.

3.6 Pay all remaining applicable fees pursuant to City Municipal Code.

4.0 PRIOR TO FINAL ACCEPTANCE/PROJECT CLOSEOUT:

4.1 Complete all Conditions of Approval listed under Sections 1-3 above.

4.2 Submit to the City a letter from the surveyor indicating monuments required for the map have been set and they have been fully paid for their services.

4.3 Coordinate with the City and Southern California Edison (SCE) to transfer all applicable streetlight electrical service accounts to the City.

4.4 Submit to the City, electronic files of Tract/Parcel Map and “as-built” improvement plans in AUTOCAD, Esri GIS shape and Adobe Acrobat PDF formats. AUTOCAD files shall be submitted as an etransmitted zip file of the CAD drawings with all base files attached. Scanned resolution of PDF shall be a minimum of 360 dpi.

CITY OF CHINO
PUBLIC WORKS DEPARTMENT
DEVELOPMENT ENGINEERING DIVISION

TRACT MAP NO. 20794

PROJECT ENGINEER: Daniel Aguirre

DATE: 4/14/2026

A COPY OF THIS CHECK LIST MUST BE PROVIDED ALONG WITH A COMPLETED PLAN CHECK REVIEW APPLICATION TO THE ENGINEERING TECHNICIAN WHEN MAKING AN APPOINTMENT FOR FIRST PLAN CHECK SUBMITTAL

- ☒ Copy of Development Engineering Division Conditions of Approval
- ☒ Plan Check Fee Calculation Form
- ☒ Maps (Subdivision Only)
- ☒ Preliminary Title Report (no older than six months) (Subdivision Only)
- ☒ Closure Calculations (Subdivision Only)
- ☒ Referenced Maps (Subdivision Only)
- ☒ Preliminary Soils Report (no older than sixty days)
- ☐ Lot line adjustment certificate
- ☒ Easement Deeds
- ☐ Right-of-way dedication
- ☐ Rough Grading Plans
- ☒ Precise Grading Plans
- ☒ Storm Drain Plans (may be included as sheets within the Precise Grading Plan Set)
- ☒ Hydrology and Hydraulic Calculations with Backup Data (Signed and Sealed by a Registered Civil Engineer)
- ☒ Engineering Cost Estimate (On City Forms) with Engineer's Wet Signature and Stamp
- ☒ Street Improvements Plans
- ☒ Copies of Cross-Sections (if street plans are required) at 50' intervals and extended a minimum of 100' beyond limits of improvements
- ☒ Sewer Plans (Delta revision for proposed connections)
- ☒ Domestic Water Plans (Delta revision for proposed connections)
- ☐ Recycled Water Plans
- ☒ Street Light Plans including a Photometric Diagram
- ☒ Voltage Drop Calculations (Signed and Sealed by a Registered Engineer)
- ☒ Signing and Striping Plans
- ☐ Traffic Signal Interconnect Plans
- ☒ Traffic Signal Plans
- ☒ Water Quality Management Plan

Chino Valley Fire District

14011 City Center Drive
Chino Hills, CA 91709
(909) 902-5260 Administration
(909) 902-5250 Fax
Chinovalleyfire.org

Board of Directors

Mike Kreeger
President
Tom Haughey
Vice President
Harvey Luth
Sarah Ramos-Evinger
Andrew Romaine

Fire Chief
Dave Williams

April 21, 2026

2025-00000261

REGENT LAND COMPNAY 1968 SOUTH COAST HIGHWAY STE 3043, LAGUNA BEACH, CA - California 92651	Project Name: DRC25-0003 PL25-0067 (SA), PL25-0068 (TTM) Project Address: SW CORNER OF RIVERSIDE & MAGNOLIA, Chino CA 91710

It is a recommendation of the Fire District that the developer of every new construction project facilitate a preconstruction meeting. The meeting is to be scheduled with the Fire District Inspector for said project.

The following are the conditions of the above referenced permit/project. All conditions shall be adhered to, failure to comply with said conditions may result in the revocation of said permit and/or punitive fines as outlined in the Fire District fee schedule.

We look forward to a cooperative working relationship throughout the project. Should you have any questions regarding the project, including the conditions as set forth herein, please feel free to contact our office at (909) 902-5280.

Fire Protection Requirements

1.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO RECORDATION:

1.1 Fire access roads shall be designed and plans submitted to the Fire District for approval. Fire access roads shall be constructed of an all-weather hard surface, such as, asphalt or concrete, and be a minimum unobstructed width of 26 feet. The fire apparatus access road shall extend to within 150 feet of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. The road grade shall not exceed twelve percent (12%) maximum. An approved turn around shall be provided at the end of each roadway in excess of 150 feet in length.

Aerial access shall be provided for any buildings 30’ ft. and higher per 2025 CFC. Appendix D. A 26’ ft. wide access road shall be a minimum of 15’ ft. to the building and a maximum of 30’ ft. from the building. Access roads shall comply with Fire District Standard No. 111.

1.2 Water systems shall be designed to meet the required fire flow of this development and be approved by the Community Risk Reduction Division. Buildings in excess of 100,000 square feet shall have a minimum of two (2) connections to a public main. The developer shall furnish the Community Risk Reduction Division with three (3) copies of the water system working plans done by the installing contractor for approval, along with the Fire Flow Availability Form completed by the water purveyor prior to recordation. The required fire flow shall be determined by using the California Fire Code, current adopted edition. For all private systems, the water systems shall comply with Fire District Standard Nos. 101, 102, and 103. In areas without water-serving utilities, fire protection water systems shall be based on NFPA Pamphlet 1231. For water connections and work conducted in the public right of way, please refer to separate plans reviewed and approved by the water purveyor.

1.3 Fire hydrants shall be six-inch (6") diameter with a minimum one four-inch (4") and one two and one-half inch (2-1/2") connections. All fire hydrants shall be spaced a maximum of six hundred feet (600') apart. Private water systems shall comply with Fire District Standard Nos. 101, 102, and 114. All hydrants shall be installed with pavement markers to identify their locations.

1.4 Access drives which cross property lines shall be provided with CC & R's, access easements or reciprocating agreements and shall be recorded on the titles of affected properties. Copies of the recorded documents shall be provided at the time of Fire District plan review.

1.5 Underground fire mains which cross property lines shall be provided with CC & R's, easements, or reciprocating agreements addressing the use and maintenance of the mains and hydrants and shall be recorded on the titles of affected properties. Copies of the recorded documents shall be provided at the time of Fire District plan review.

2.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO ISSUANCE OF BUILDING PERMIT:

2.1 Fire access roads shall be constructed and approved by the Community Risk Reduction Division prior to combustibles being brought onto the site.

2.2 Approved street signs shall be installed prior to issuance of building permits, as well as a job site address.

2.3 Fire Protection water systems shall be tested, operational, and approved by the Community Risk Reduction Division prior to combustible materials being brought to the site.

2.4 All flammable vegetation shall be removed from each building site for a minimum distance of thirty feet (30') from any flammable building material including all structures.

2.5 A detailed site plan of the development is required to be submitted in electronic (pdf.) format. The plan must show and be limited to: locations of property lines, buildings, and equipment and hazards for emergency response purposes. Please refer to Fire District Standard No. 143. Additional or revised files may be required during construction and/or prior to final signoff.

2.6 The Developer shall submit, as an electronic file, a drawing of the new streets in pdf format to the Fire District with the building construction plans. Format must contain and be restricted to the following layers: A. Right of way; B. Parcel Lines; C. Street Names; D. Address numbers; E. Fire Hydrants. Additional or revised files may be required during construction and/or prior to final signoff.

3.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO OCCUPANCY:

3.1 A residential "life safety" fire sprinkler system is required. The developer shall submit an electronic/PDF set of detailed plans and hydraulic calculations to the Community Risk Reduction Division for approval. The system shall be installed, tested and approved prior to occupancy. The system shall meet the standards of NFPA 13R or 13D and Fire District Standard No.126. Dwellings in excess of 5,000 square feet shall provide calculations of the (4) four most remote sprinkler heads. For NFPA 13R systems, the contractor is required to submit a report to The Compliance Engine (TCE).

3.2 Smoke and Carbon Monoxide alarms are required to be installed per Section 310 of the California Building Code, current adopted edition. Locations shall be in accordance with code requirements.

3.3 "No Parking - Fire Lane" signs shall be installed in interior access drives at locations designated by the Community Risk Reduction Division. Curbs shall be painted red at locations designated by the Community Risk Reduction Division. Please refer to Fire District Standard No. 121.

3.4 Residential street addresses shall be posted with a minimum of four inch (4") numbers, shall be electrically illuminated (by 12-volt power source only) by internal means during the hours of darkness. Posted numbers shall contrast with the background used and be legible from the street in accordance with the California Fire Code, current adopted edition. Where building is set back more than 100 feet from the roadway, additional non-illuminated four inch (4") numbers shall be displayed at the property access entrance. These numbers shall also contrast with the background used. Please refer to Fire District Standard No. 122.

3.5 An electronic/PDF set of plans shall be submitted separately for each of the following listed items to the Fire District for review, approval and permit prior to any installation or work being done. Approved plans must be maintained at the worksite during construction. Fees

are due at the time of submittal.

a) Building Construction, includes tenant improvement work
b) Private (onsite) Underground Fire Protection Water Systems, if applicable
c) Fire Sprinkler Systems, designed by C16 contractor or registered engineer

Applicable Standards:

101, 102, 103, 111, 122, 126

CVFD Standards available online at http://www.chinovalleyfire.org

March 4, 2026

Regent Land Company
1968 S. Coast Hwy, Suite 3043
Laguna Beach, CA 92651

City of Chino Development
Development Services Department
13220 Central Avenue
Chino, CA 91710

RE: Chino 4 — Project Description

Dear Development Services Department:

Thank you for the opportunity to bring a new residential project to the City of Chino. Regent Land Company is honored to present our proposed 100 attached homes in an inviting community to your City.

Our community will be located at 6033 and 6041 Riverside Dr, Chino, CA 91710 (APN 102-011-101 and 102-011-102), consists of a 5 gross acre site or 3.96 adjusted gross acre site. Of the 3.96 adjusted gross acre site,0.2 adjusted gross acres are zoned Commercial General and 3.76 adjusted gross acres are zoned Commercial General with an affordable housing overlay. The site is mostly vacant with two residential homes on the property.

The entitlements proposed for this project are a Tentative Tract Map, Site Approval, and the adoption of CEQA findings (i.e., Class 32 Exemption). This project has a land use designation Commercial General and zoning designation Commercial General. The project has an Affordable Housing Overlay on 3.76 adjusted gross acres of the site that allows for a minimum of 26 units per acre. In the 3.76 adjusted gross acres, the project is planned at 26.59 units per acre which is consistent with the Affordable Housing Overlay. There is one APN that is not a part of the Affordable Housing Overlay, but it is not planned to have any homes. The Commercial General zoning on the parcel will allow for park space which is what is planned for that portion of the site.

The affordable housing overlay requires 3% moderate housing to be developed on the site. In order to qualify for State Density Bonus Law (SDBL) Regent Land Company is proposing 10% of the homes be provided to moderate income households. Due to the use of State Density Bonus Law, the project is allowed an unlimited number of waivers and one concession/incentive. The project requests the use of the concession/incentive to keep the existing power poles along the project frontage in place and not relocate underground. The project seeks waivers for all the development standards with which it does not meet including the requested waiver below. The applicant also reserves its right to seek additional waivers during application processing.

1. Front Yard Setback. According to Table 20.09.6, the minimum front yard setback shall be 15 feet. The Project requests a waiver to allow the lots to have an 8-foot front yard setback. Absent this

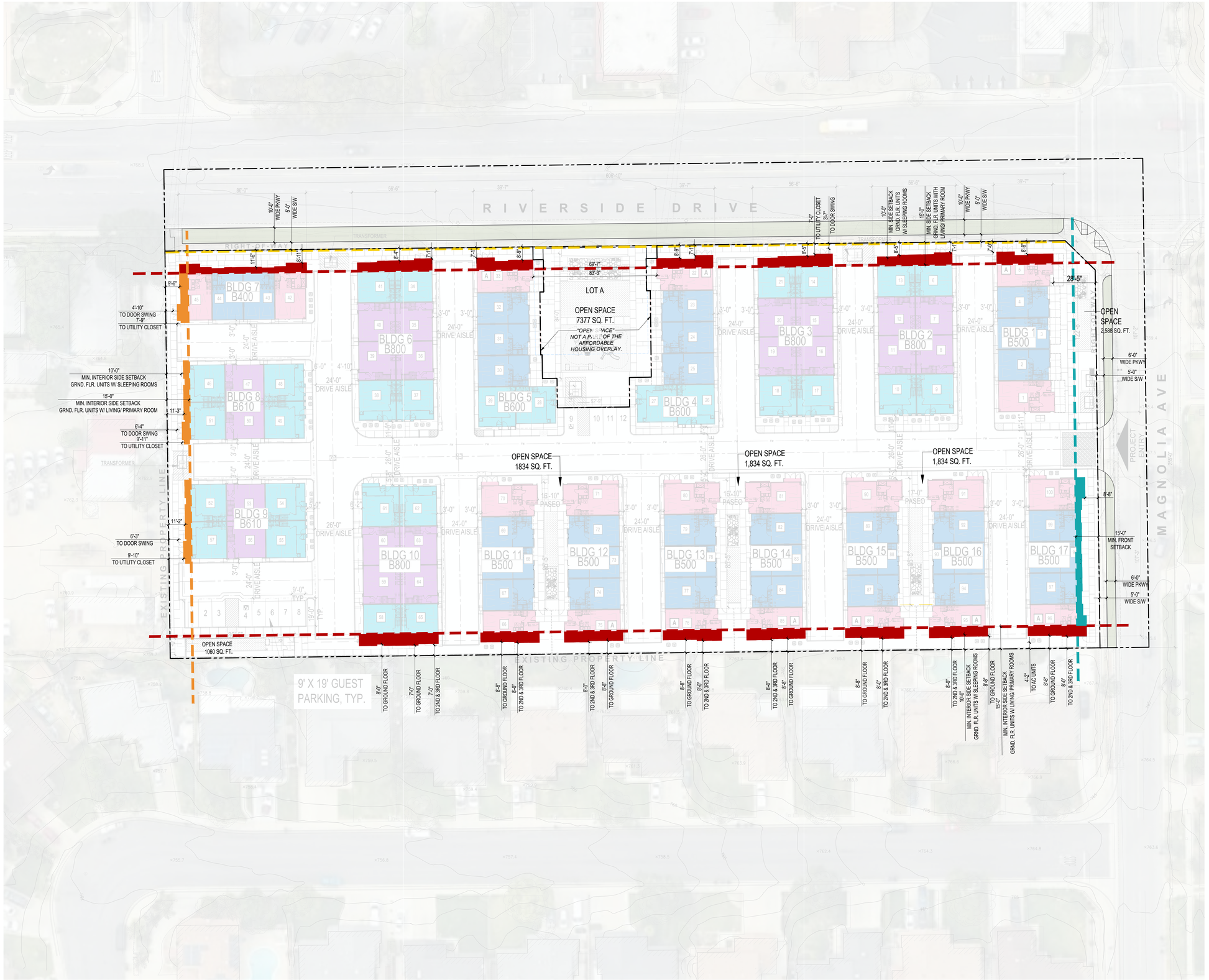
waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.

2. Side Yard Setback. According to Table 20.09.6, the minimum side yard setback shall be 10 feet. The Project requests a waiver to allow the lots to have a 7-foot side yard setback. Absent this waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.
3. Rear Yard Setback. According to Table 20.09.6, the minimum rear yard setback shall be 15 feet. The Project requests a waiver to allow the lots to have a 7-foot rear yard setback. Absent this waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.
4. Height of Fence. According to Code 20.10-1, the maximum height of a fence is 3 feet. The Project requests a waiver to allow for a maximum of 9 feet 6 inches. Absent this waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.
5. Outdoor Living Area. According to Code 20.09.090H.1, a minimum of 400 SF per unit of outdoor open space and 20% of net lot area devoted to open space is required. The Project requests a waiver to allow for 19,084 SF of outdoor open space and 15% of net lot area devoted to open space. Absent this waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.
6. Common Area Open Space. According to Code 20.09.090H.3, a minimum of 65% of outdoor living is required. The Project requests a waiver to allow for 48% of outdoor living. Absent this waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.
7. Private Open Space for Ground Floor Units. According to Code 20.09.090H.2, a minimum of 72 SF deck per unit is required. The Project requests a waiver to allow for 0 SF of private deck area. Absent this waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.
8. Floorplates for the Third Story. According to Code 20.09.090(F)(4), floorplates for the third story and above shall not exceed 80% of the ground-floor floorplate. The Project requests a waiver to allow for 107% of the ground floorplate for the third story. Absent this waiver, the Project would need to redesign the building locations and would be unable to fit 100 units on the Property and achieve the density permitted.

The homes have been designed to create an inviting community that focuses on the comfort and safe lifestyles of the homeowners. This 100-home community comprises four plan types. These homes will feature pre-wired EV charging within the garages, solar roofs, and many other energy-efficient features. The proposed site layout maximizes the common area open space and provides multiple amenity areas for the community to enjoy. The community entry and exit are from Magnolia Avenue.

Regent Land Company has a strong reputation for creating lasting value and community pride of ownership. We bring environmentally friendly residential communities to cater to today's lifestyle. On behalf of Regent Land Company, we are honored to have this opportunity to bring much-needed housing to the City of Chino.

Sincerely,



WAIVER NO. 1

15' FRONT YARD SETBACK (MAGNOLIA AVENUE)
PER CHINO MUNICIPAL CODE TABLE 20.09-6

IMPACT

PROPOSING 8'-8" MINIMUM SET BACK ALONG MAGNOLIA - DUE TO THE LOSS OF APPROXIMATELY 90 NSF PER DWELLING UNIT (TOTALING 450 NSF), THE CURRENT UNIT PLAN CAN NO LONGER FUNCTION WITH THE EXISTING SPACIOUS BEDROOM COUNT LAYOUT.

THIS RESULTS IN A COMPLETE LOSS OF 5 UNITS, EQUATING TO A TOTAL LOSS OF 6,478 NSF.

WAIVER NO. 1

REQUIRED: 15 FT FRONT SETBACK (MAGNOLIA AVENUE)

PROVIDED:

BLDG #	PL TO BLDG
BLDG 1	28'-5"
BLDG 17	8'-8"

WAIVER NO. 2

15' SIDE YARD SETBACK - GROUND FLOOR UNITS (RIVERSIDE DR. & SOUTHERN PL)
PER CHINO MUNICIPAL CODE TABLE 20.09-6

IMPACT

PROPOSING 7' MINIMUM SETBACK - DUE TO THE LOSS OF APPROXIMATELY 209 NSF PER DWELLING UNIT (TOTALING 4,388 NSF), THE CURRENT UNIT PLAN CAN NO LONGER FUNCTION WITH THE EXISTING SPACIOUS BEDROOM COUNT LAYOUT.

THIS RESULTS IN THE COMPLETE LOSS OF 21 UNITS, EQUATING TO A TOTAL REDUCTION OF 33,776 NSF.

WAIVER NO. 2

REQUIRED: 15 FT SIDE YARD SETBACK (RIVERSIDE DR & SOUTHERN PL)

PROVIDED:

RIVERSIDE DR

BLDG #	PL TO BLDG	PL TO ELECT. CAB
BLDG 1	8'-8"	7'-0"
BLDG 2	8'-5"	7'-1"
BLDG 3	8'-5"	7'-1"
BLDG 4	8'-9"	7'-1"
BLDG 5	8'-9"	7'-1"
BLDG 6	8'-4"	7'-1"
BLDG 7	11'-6"	8'-11"

SOUTHERN PL

BLDG #	PL TO BLDG
BLDG 10	7'-0"
BLDG 11	7'-0"
BLDG 12	7'-0"
BLDG 13	7'-0"
BLDG 14	7'-0"
BLDG 15	7'-0"
BLDG 16	7'-0"
BLDG 17	7'-0"

WAIVER NO. 3

15' REAR YARD SETBACK (GROUND FLOOR UNITS)
PER CHINO MUNICIPAL CODE TABLE 20.09-6

IMPACT

PROPOSING 7'-9" MINIMUM SETBACK - DUE TO THE LOSS OF APPROXIMATELY 129 NSF PER DWELLING UNIT (TOTALING 645 NSF), THE CURRENT UNIT PLAN CAN NO LONGER FUNCTION WITH THE EXISTING SPACIOUS BEDROOM COUNT LAYOUT.

THIS RESULTS IN A COMPLETE LOSS OF 5 UNITS, EQUATING TO A TOTAL LOSS OF 7,734 NSF.

WAIVER NO. 3

REQUIRED: 15 FT REAR YARD SETBACK (GROUND FLOOR UNITS)

PROVIDED:

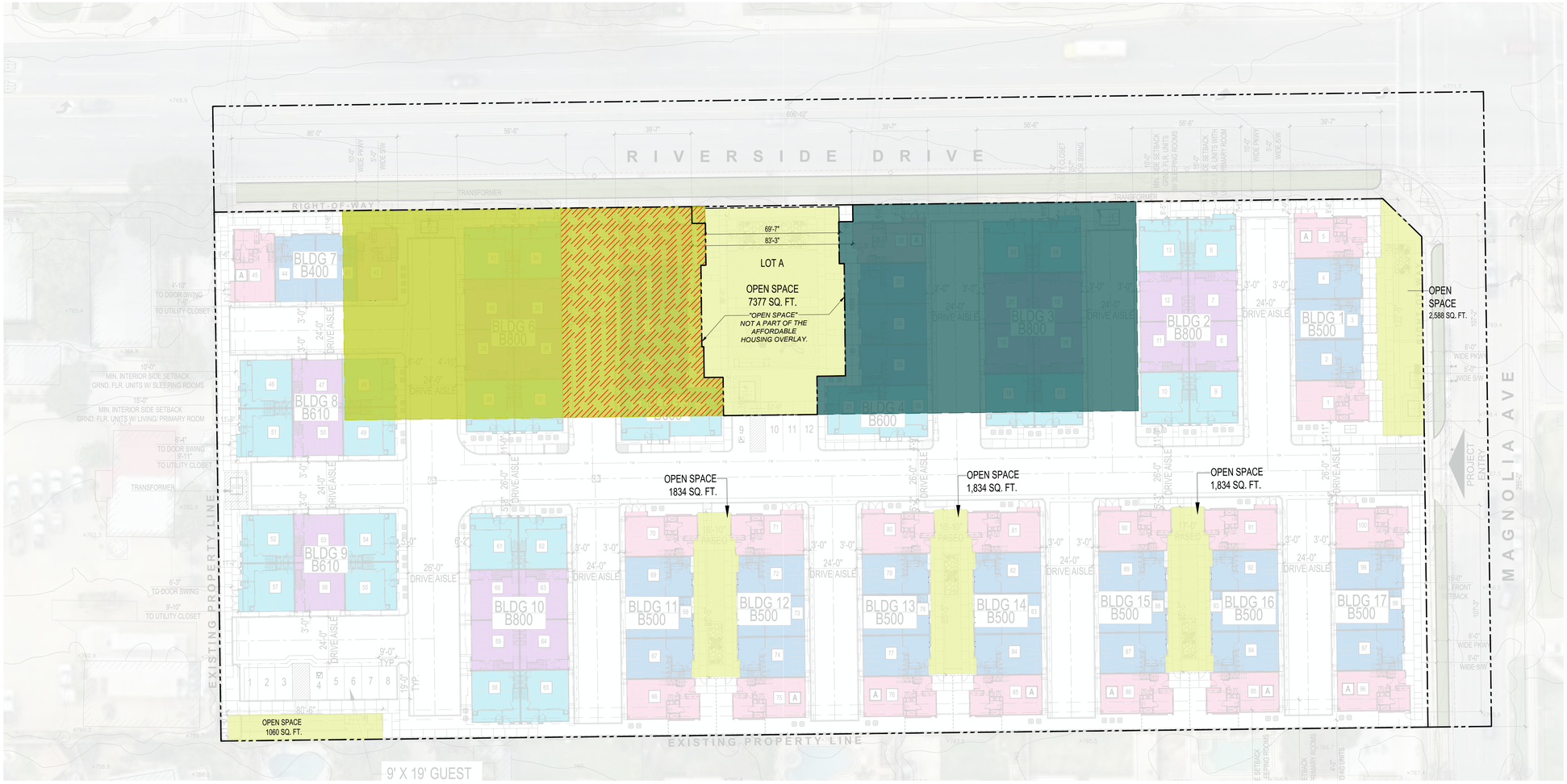
BLDG #	PL TO BLDG	PL TO ELECT. CAB
BLDG 7	9'-6"	7'-9"
BLDG 8	11'-3"	9'-11"
BLDG 9	11'-2"	9'-10"

WAIVER NO. 4

3' MAXIMUM HEIGHT OF FENCES WITHIN ANY REQUIRED YARD
PER CHINO MUNICIPAL CODE TABLE 20.10-1 MAXIMUM HEIGHT OF FENCES

IMPACT

PROPOSING UP TO 9.5' - DUE TO SITE GRADING, A RETAINING WALL IS REQUIRED. WITH THE ADDITION OF A 42" FENCE ON TOP OF THE WALL, THE MAXIMUM PROPOSED COMBINED HEIGHT IS 9'-6".



WAIVER NO. 5

MINIMUM AMOUNT OF OUTDOOR LIVING ARE (PRIVATE OR COMMON)
PER CHINIO MUNICIPAL CODE 20.09.090H.1

-20% OF NET LOT AREA DEVOTED TO PERMANENT OPENS SPACE
-400SF/DU FOR OUTDOOR LIVING AREA (PRIVATE OR COMMON)

IMPACT

IN ORDER TO MEET THE 20% MINIMUM, WE WOULD NEED TO LOSE 6 ADDITIONAL UNITS, A LOSS OF 9,359 NSF

IN ORDER TO MEET THE 400SF/ DU MINIMUM WE WOULD NEED TO LOSE 18 TOTAL UNITS, EQUATING TO A TOTAL LOSS OF 26,932 NSF.

AMOUNT OF ADDITIONAL OPEN SPACE NEEDED TO SATISFY 400SF/DU

AMOUNT OF ADDITIONAL OPEN SPACE NEEDED TO SATISFY 20% OF NET LOT AREA

WAIVER NO. 6

MINIMUM COMMON OPEN SPACE - *65% OF OUTDOOR LIVING*
PER CHINO MUNICIPAL CODE 20.09.090H.3

IMPACT

IN ORDER TO ACHIEVE THE MINIMUM 65% OUTDOOR LIVING AREA FOR COMMON OPEN SPACE, THE SITE WOULD NEED TO PROVIDE APPROXIMATELY 16,850 SF. THIS WOULD RESULT IN THE LOSS OF 14 UNITS.

20.09 H Open space standards for residential projects				Required	Provided
1 Minimum amount of outdoor living area				**72,945 SF**	**19,084 SF**
Permanent open space		20%		32,945 SF	
Outdoor living area		400 SF/unit		40,000 SF	
2 Minimum amount of private open space		**25%**		**10,000 SF**	**9,934 SF**
a. Ground floor units		150 SF/unit	10' min. length		**4,194** SF
Plan 1		0 SF/unit	0		0 SF
Plan 2		0 SF/unit	0		0 SF
Plan 3	P3	150 SF/unit	9		1,350 SF
Plan 4	P4-A	364 SF/unit	6		2,184 SF
	P4-B	165 SF/unit	4		660 SF
b. Upper level units		72 SF/unit	6' min. length		**5,740** SF
Plan 1		57 SF/unit	20		1,140 SF
Plan 2		55 SF/unit	28		1,540 SF
Plan 3		60 SF/unit	32		1,920 SF
Plan 4		57 SF/unit	20		1,140 SF
3 Minimum amount of common open space areas				**26,000 SF**	**9,150 SF**
Contiguous		65%	20' min. dim.		
a.Non-contiguous		20%			
1. Paseo					9,150 SF
b. Up to one-half of covered patio areas		25%			
c. Recreational building		15%			
Lot A					**7,378 SF**
1. Children's play area					
2. Picnic and barbecue area					

WAIVER NO. 7

MINIMUM PRIVATE OPEN SPACE SHALL BE ATLEAST TWETY-FIVE PERCENT OF THE AMOUNT OF OUTDOOR LIVING AREA REQUIRED. GROUND FLOOR UNITS SHALL HAVE 150 SF PATIO WITH A MIN. HORIZONTAL DIMENSION OF 10 FT, OR 72 SF DECK WITH A MIN, HORIZONTAL DIMENSIONS OF 6 FEET.
PER CHINO MUNICIPAL CODE 20.09.090H.2

IMPACT

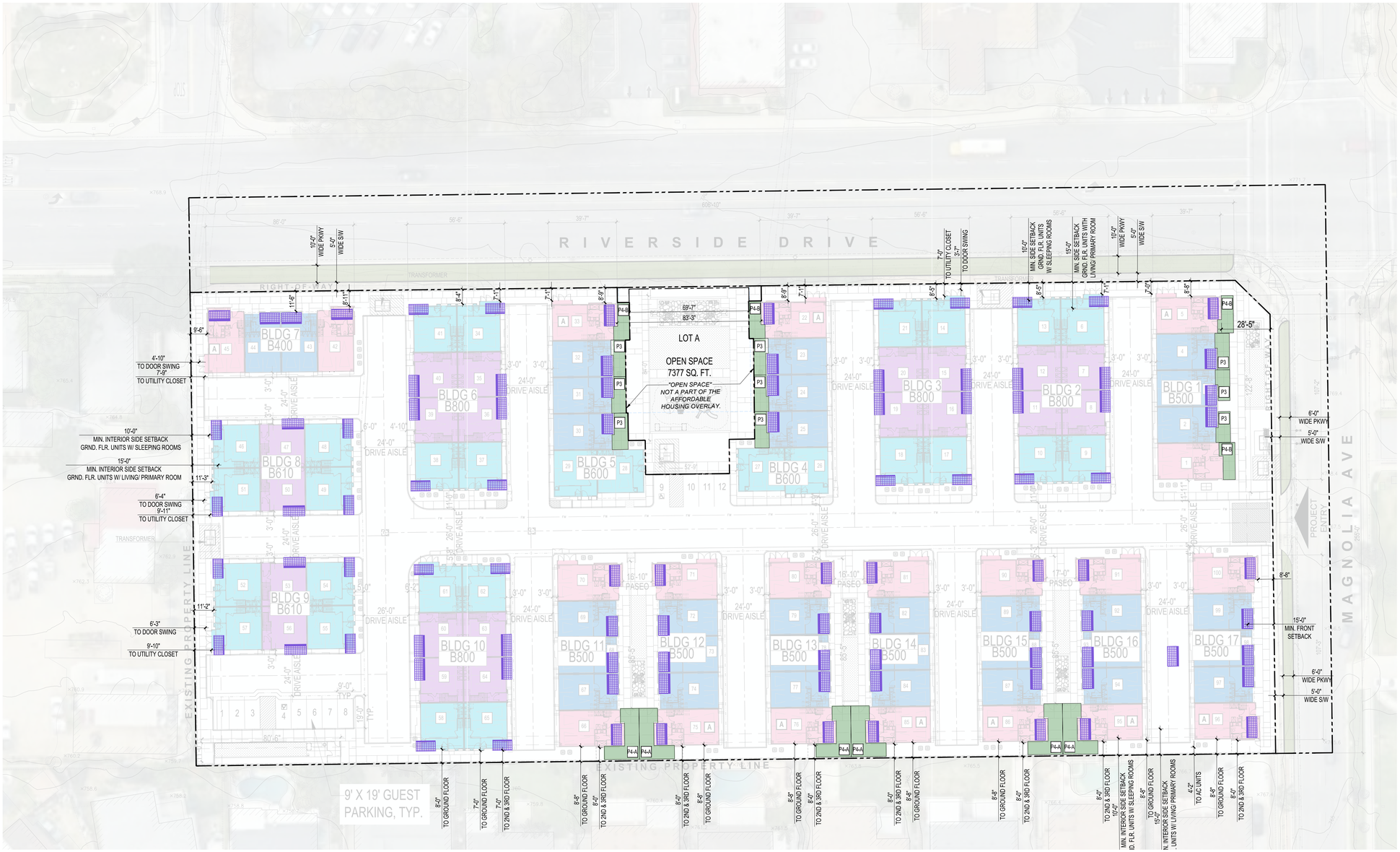
PLANS 3 & 4 ARE CONSIDERED GROUND-FLOOR UNITS. HOWEVER, NOT ALL OF THESE UNITS CAN ACCOMMODATE GROUND-FLOOR PATIOS, AS DOING SO WOULD IMPEDE EFFICIENT PEDESTRIAN CIRCULATION.

UPPER-FLOOR DECKS ARE PROPOSED AT 57–60 NSF. EXPANDING DECK SPACE FURTHER WOULD CONFLICT WITH MAINTAINING AN EFFICIENT AND SPACIOUS LIVING AND KITCHEN FLOOR PLAN.

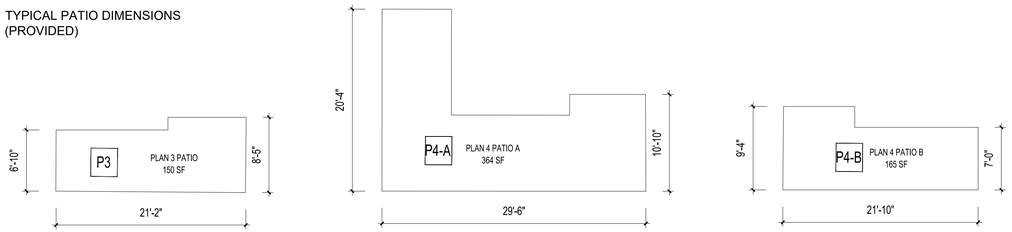
CURRENT PROVIDED DECK SPACE

AMOUNT OF ADDITIONAL DECK SPACE NEEDED TO SATISFY 72 SF

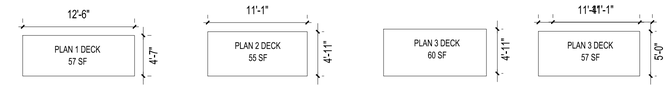
CURRENT PROVIDED PATIO SPACE



TYPICAL PATIO DIMENSIONS (PROVIDED)



TYPICAL UPPER LEVEL DECKS DIMENSIONS (PROVIDED)



PRIVATE OPEN SPACE PROVIDED

Plan		Ground Floor Patio SF	# UNITS WITH PATIO	PROVIDED PATIO (SF)	PROVIDED UPPER LEVEL DECKS (SF)	# UNITS WITH DECKS	Total Deck SF
1		0	0	0	57	20	1140
2		0	0	0	55	28	1540
3	P3	150	9	1350	60	32	1920
4	P4-A	364	6	2184	57	20	1140
	P4-B	165	4	660			0
		Overall Total Patio SF		**4194**	**Overall Total Deck SF**		**5740**
						Total Private Open Space	**9934**

MINIMUM PRIVATE OPEN SPACE REQUIRED 10,000 SF

GROUND FLOOR UNITS: 150 SF PATIO WITH A MIN. HORIZONTAL DIMENSIONS OF 10 FEET OR 72 SF DECK WITH A MIN. DIMENSIONS OF 6 FEET.

WAIVER NO. 8

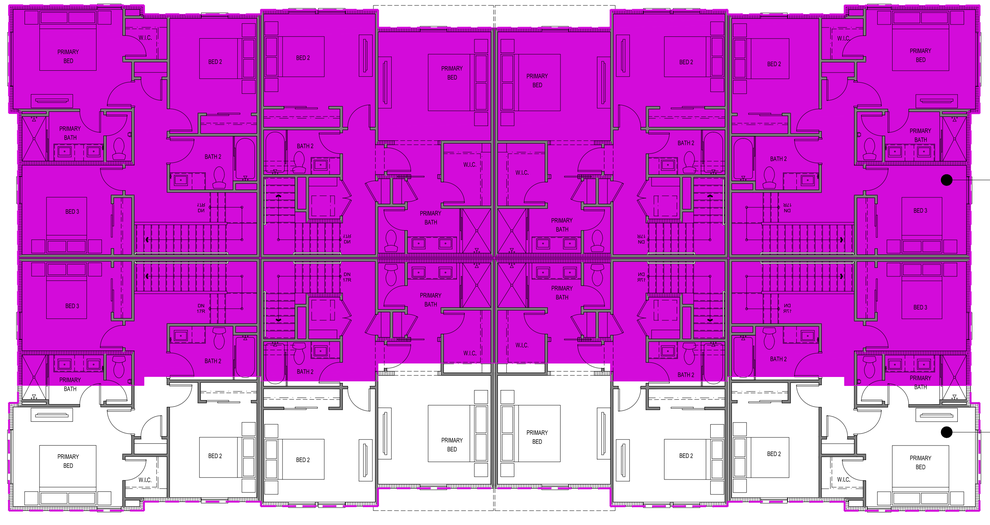
FLOORPLATES FOR THIRD STORY SHALL NOT EXCEED 80% OF GROUND FLOOR PLATE.

IMPACT

PROJECT MUST EXCEED 80% OF THE GROUND FLOOR PLATE ON THE THIRD STORY IN ORDER TO PHYSICALLY ACCOMMODATE THE PROPOSED PROJECT.

80% OF GROUND FLOOR PLATE

107% OF GROUND FLOOR PLATE (CURRENT 3RD FLOOR AREA)

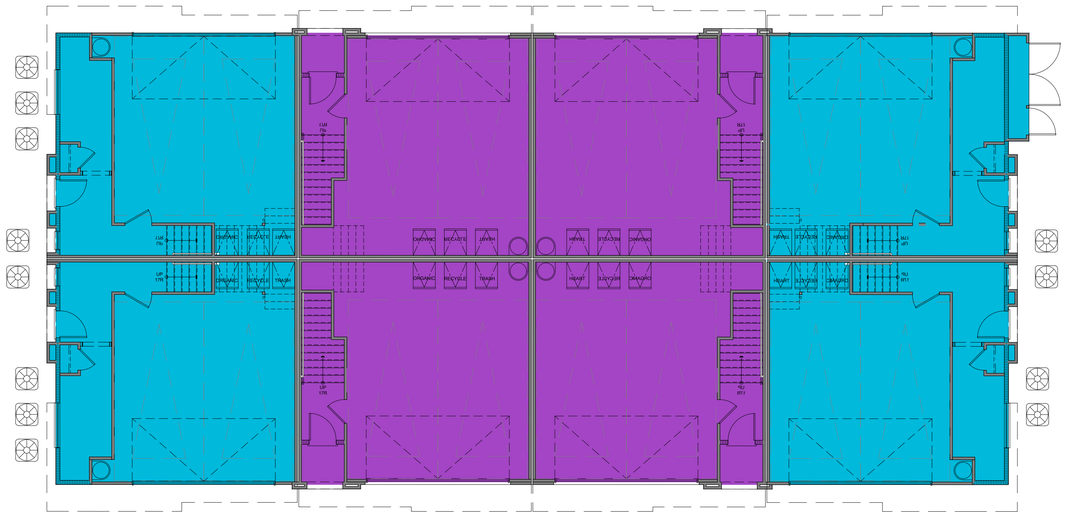


3RD FLOOR AREA (B800)
5857 SQ. FT.

AREA HATCHED IS THE ALLOWED 80% OF THE GROUND FLOOR PLATE.

AREA IN WHITE IS IN EXCESS OF THE ALLOWED 80% OF THE GROUND FLOOR PLATE.

IMPACT:
TO STRICTLY LIMIT THE THIRD-FLOOR FLOOR PLATE TO 80% OF THE GROUND FLOOR WOULD REQUIRE REMOVING BEDROOM AREA AND CONVERTING SOME UNITS TO TWO-BEDROOM PRODUCT, WHICH WOULD UNDERCUT THE PROJECT'S FAMILY-ORIENTED UNIT MIX AND AFFORDABLE HOUSING OBJECTIVES. INSTEAD, THE PROJECT ADDRESSES THE INTENT OF CMC 20.09.090(F)(4) THROUGH ELEVATION AND MASSING REVISIONS, INCLUDING A STRONGER BASE EXPRESSION, INCREASED ARTICULATION, AND A VISUALLY LIGHTER AND MORE RECESSIVE THIRD FLOOR.



GROUND FLOOR AREA (B800)
5469 SQ. FT.

M E M O R A N D U M
DEVELOPMENT SERVICES DEPARTMENT

DATE: February 17, 2026

TO: Affordable Housing Overlay/Mixed Use Overlay Developer

FROM: Planning Division

SUBJECT: **DENSITY BONUS WAIVER/CONCESSION FOR UTILITY UNDERGROUNDING**

This memorandum responds to your request for a waiver or concession from the City's requirement to underground utilities in connection with your proposed project. After reviewing the applicable provisions of the City's Municipal Code and considering the purpose of the undergrounding requirement, staff does not support treating utility undergrounding as a candidate for waiver or concession. City staff and the City Attorney are of the opinion that granting such a waiver or concession could result in public safety impacts that are inconsistent with the intent of the City's regulations.

Chapter 13.32 of the Municipal Code, titled "Underground Utility Devices", establishes the City's requirements for undergrounding utility devices and documents the public health and safety concerns associated with overhead utility lines and poles. The City Council found that eliminating overhead utility poles and lines reduces risks to life and property during emergencies such as earthquakes, fires, and severe weather events, and lowers the risks associated with downed or damaged utility lines. Undergrounding utilities also improves visibility and access within the public right-of-way, which supports safer conditions for pedestrians, motorists, and emergency services.

Because of these findings, the City applies the undergrounding requirement broadly to development projects that require City permits, and treats it as a fundamental safety standard rather than a discretionary enhancement. Although Chapter 13.32 includes certain exemptions, those provisions are narrow and specific. They do not establish a general ability to waive undergrounding requirements in connection with new development, nor do they suggest that undergrounding is an optional or primarily aesthetic requirement.

Under the State Density Bonus Law (Government Code section 65915(d)), qualifying affordable housing projects are generally entitled to concessions or incentives that result in identifiable and actual cost reductions. The City must approve such concessions unless it can make specific findings, supported by substantial evidence, that the requested relief would either: (1) not reduce costs, (2) cause a specific adverse impact on public health or safety, the physical environment, or a historic resource that cannot be mitigated without rendering the project unaffordable, or (3) violate state or federal law. In this case, Chapter 13.32 includes explicit legislative findings that undergrounding utilities is necessary to reduce hazards to life and property, particularly during emergencies, and to maintain safe visibility and access within the public right-of-way.

For these reasons, City staff and the City Attorney do not support approving any waiver or concession from the City's undergrounding requirement and will maintain this position in project review. While we remain available to discuss code-compliant alternatives and narrow exemptions under Chapter 13.32, our position is that all required utilities must be installed underground to protect public safety.

Outlook

[EXT EMAIL] Riverside Dr and Magnolia Ave Project Concerns

From Grant Schmidt <[redacted]>
Date Wed 1/7/2026 3:16 PM
To Morelion, Warren <wmorelion@cityofchino.org>; Gilbert, Andrea <AGilbert@cityofchino.org>; Staar, Maria <MStaar@cityofchino.org>

Hello Mr Morelion, thank you for taking the time to meet with me and hear my concerns regarding the Riverside Dr project.
As you are aware, this project is directly adjacent to my home and will greatly affect myself and my family as well as my neighbors living on Barbara St.
We discussed several issues regarding the planning of this project, which you asked me to document and forward to you.

I have asked the Taylor-Clark rep what the base grade elevation for this project would be, he was not able to provide an answer.
With the uncommonly tall profile of this project (for the City of Chino), starting at the lowest possible elevation would be prudent, to slightly help offset the impact of the tall structures.

As proposed, I believe you said the setback from the Barbara St property line would be around 7'-8'. This very much took me by surprise. With the physical disparity of 3 story tall buildings lined next to mostly single story homes, this seems like a very bad idea. These homes, which have been established for 50 years, will forever be towered over by these new buildings. This will result in a permanent reduction in quality of life for anyone who lives on Barbara St going forward. I understand the need to "build up" due to the small dimensions of the lot, but it seems like pushing these tall structures as far away from the existing homes as possible would be the best way to mitigate the imposition of this development.

On the diagram provided at the meeting, it showed a total of 13 guest parking spots for the 100 units totalling 320 rooms. This is clearly not going to be enough additional parking for this development, which will result in substantial overflow into the surrounding communities. This will substantially deteriorate the general aesthetic and functionality of the City and the adjacent neighborhoods. Ms Reich did suggest that we petition for our street to be designated a "permit only" parking zone. This would be a partial remedy, but still a decline in convenience from the current status.

You also suggested that I contact Dennis, the Traffic Engineer, to discuss our concerns about the project entrance on Magnolia Ave. I will do that as soon as I have time. I would hope at this point, that everyone has had a chance to evaluate the suggestion of the proposed entrance, and see that it would be a debacle. The minimal distance between Riverside Dr and Barbara St, combined with the existing apartments and schools on that street, would cause a traffic nightmare and substantial safety issues in the mornings and afternoons. The logical access point for this project would be on the most western part of the property on Riverside Dr.

Also addressed and, a substantial concern, are the privacy measures to be taken along the southern border of the property. Obviously, without extensive planning, the residents on the Barbara St border will lose much, or all, of their privacy in their backyards. This situation is going to be magnified by the minimal setback already mentioned. Some suggestions that have been mentioned are: minimal or no windows on the southern facing walls of the Barbara St units, fogged glass on any windows facing south, top opening windows on a horizontal axis, no balconies or landings on the southern units, units designed with garages, bathrooms, closets, or other areas not requiring windows along the southern border, along with whatever other measures can help give some privacy to the residents on the Barbara St border.

Other concerns include, landscaping specific plan (specifically along the southern border), lighting plan, noise study, mechanical equipment plans, plans for any wall along the Barbara St border. I assume I will need to come in to see what has been submitted regarding these issues, which I will do sometime soon.

Thank you for your thorough attention to this project, its impacts will greatly affect the residents of the City and especially those in the surrounding communities for a very long time to come.

Grant Schmidt
[redacted]
Chino Ca 91710
[redacted]

EXTERNAL EMAIL: Please verify sender email. If unknown, DO NOT open links/attachments. NEVER give out your user ID or password for any reason!

CHINO 4 MULTI-FAMILY RESIDENTIAL DEVELOPMENT

CLASS 32 EXEMPTION REPORT

Prepared by:

HANA RESOURCES
2036 Hermana Circle
Lake Forest, CA 92630

Prepared for:

City of Chino
13220 Central Avenue
Chino, CA 91710

October 10, 2025

CATEGORICAL EXEMPTION REPORT

This Report serves as the summary of the environmental analysis performed by HANA RESOURCES, INC. for the proposed Chino 4 Multi-Family Residential Project at 6033-6041 Riverside Drive in the City of Chino (City). This document documents whether the Project is eligible for a Class 32 Categorical Exemption pursuant to the *State of California Environmental Quality Act (CEQA) Guidelines Section 15332*. This Report provides an Introduction, Project Description, and Evaluation of the Project's consistency with Class 32 exemption requirements. This includes an analysis of the Project's potential impacts in the areas of Traffic, Air Quality, Water Quality, and Noise. This Report concludes that the Project is eligible for a Class 32 Categorical Exemption pursuant to *CEQA Guidelines Section 15332.*

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Introduction

The California Environmental Quality Act (CEQA) Guidelines Section 15332 states that a Class 32 Categorical Exemption (CE) is allowed when an in-fill development project meets the following conditions:

a. The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.
b. The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses.
c. The project site has no value as habitat for endangered, rare or threatened species.
d. Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.
e. The site can be adequately served by all required utilities and public services.

In addition, State CEQA Guidelines Section 15300.2 lists six exceptions to a categorical exemption. The exemptions include the following conditions:

a. Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply in all instances, except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.
b. Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant.
c. Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.
d. Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR.
e. Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code.

f. Historical Resources. A categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource.

HANA RESOURCES evaluated the Chino 4 Multi-Family Residential Project (Project) located at 6033-6041 Riverside Drive in the City of Chino (City) with respect to consistency with the above requirements, including its potential impacts in the areas of habitat for endangered, rare or threatened species, air quality, noise, traffic, water quality, and cultural resources, as well as the six exceptions to a categorical exemption, to confirm Project eligibility for the Class 32 Categorical Exemption pursuant to the California State *CEQA Guidelines* Section 15332.

Project Description

The Project proposes a Site Plan and Tentative Tract Map that would allow development of 100 multi-family residential units in a series of building extending to maximum heights of 40 feet, an open space area/park, parking, landscaping, and wall construction on a 4-acre site on Riverside Drive in the City of Chino. This equates to a Project density of approximately 26 dwelling units per acre, which is an allowed density on this site. The Project will include 213 parking spaces (200 garage spaces; 13 guest spaces). Open space will total 10,800 square feet combined in two areas of the Project as depicted on the attached **Figure 2**. Vehicular entries to the Project will be via Magnolia, which borders Project site to east, and from Riverside Drive, which borders Project site to north.

The Project site Assessor's Parcel Numbers are: 1020-111-01 (6033 Riverside Drive); 1020-111-02 (6041 Riverside Drive).

Project development will involve demolition of 2 residential and a stable currently existing in the central and southwesterly portions of the Project site, site preparation, grading, building and wall construction, paving, and architectural coating.

Existing Project Site Conditions

The existing General Plan designation for the Project site is General Commercial.

The existing Zoning designation for the Project site is Commercial General, with an Affordable Housing Overlay that would allow 26 dwelling units per acre on one APN on the Project site. The second APN would contain 10,800 square feet of open space and recreational would be located.

The rectangular-shaped Project site is developed with two residences and a stable. The Project site is surrounded by residential uses, with some commercial use existing northwesterly of the site. Zoning on adjacent properties is Commercial General to the North and West, Residential RD-20 and RD-12 to the East, and Residential RD-4.5 to the South.

The Project site elevation ranges from 771-770 feet above mean sea level. Historic aerial imagery is available from 1938, which indicates the Project site originally was occupied by a single-family residence on its western-most portion and by agricultural structures and tree groves. By 1946, an additional structure was added to the western portion of the property. The farming structure in the southern portion of the property was constructed by 1948. Some groves were removed by 1959, and a second single-family residence was constructed in the western portion of the property. The groves were completely removed by 1964. By 2020, additional farming structures were added in the eastern portion of the site. The Project site has remained largely unchanged since 2020. A block wall exists along the southern property line that limits surface runoff from entering the single-family residential lots south of the Project site.

There are no existing or planned pbicycle routes within the Project site vicinity. Paved pedestrian sidewalks are located along all roadways of area intersections with the exception of the northwest corner of the Riverside Drive/Mountain Avenue in the westbound direction.

Riverside Drive west of the Project site is designated a Corridor in the Chino General Plan. Corridors are major thoroughfares that connect the city's neighborhoods and centers. They link residents to key destinations around town with safe, convenient connections and provide opportunities for a range of housing types. The Chino General Plan indicates that Central Avenue, Riverside Drive, and Euclid Avenue are Chino's key transportation routes, and all have significant capacity for infill development, which can be leveraged over time to help transform these areas into attractive corridors lined with an integrated mix of housing, employment, educational, cultural, and recreational options.

Consistency Analysis

Criterion A

Criterion A: The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.

The Project site General Plan designation is General Commercial. However, the Project site has an Affordable Housing Overlay. General Plan Land Use Overlays modify requirements of the underlying land use designation to achieve specific planning goals or address unique characteristics of a location. They allow for flexibility in land use regulations to better support community goals.

The Affordable Housing Overlay (AHO) is intended to promote the development of affordable housing for low, very low-, and moderate-income households in specific areas where high density residential uses would not otherwise be allowed. The AHO is intended for standalone affordable and mixed income housing projects at densities of up to 30 dwelling units per acre.

The proposed density would closest equate to that allowed in Affordable Housing Overlay, which provides for a range of multifamily housing product types, including townhomes, triplexes, fourplexes, garden apartments, and small-scale multifamily apartments and condominiums.

GENERAL PLAN POLICY	CONSISTENCY ASSESSMENT
LAND USE AND COMMUNITY CHARACTER ELEMENT	
LCC-1.1 Foster a balanced mix of housing, employment, commercial, educational, civic, entertainment, and recreational uses in the city to support a complete community.	CONSISTENT – The Project involves construction of 100 units under an Affordable Housing Overlay, consistent with the City General Plan designation and allowance for the Project site. This development on a vacant infill site would complete residential development in the Project area.
LCC-1.3 Direct new growth so as to promote a land and resource efficient development pattern, strengthen north-south connections, and enhance the quality of life in Chino.	CONSISTENT – The Project will not result in significant environmental impacts as demonstrated in the following narratives in this Report, and will provide needed and efficient multi-family residential opportunities on a largely vacant site.
LCC-1.4 Promote infill development in opportunity areas along Central Avenue, Riverside Drive, and Philadelphia Street in	CONSISTENT – The Project site is an infill site occupying 4 largely vacant acres (with 2 older single-family residences to be

order to create a network of lively activity centers that provide for community needs, capitalize on market opportunities, and are well-integrated with the surrounding neighborhoods.	demolished). The Project site is adjacent to Riverside Avenue.
LCC-1.6 Support the continued buildout of planned residential areas as needed to meet the community's housing needs.	CONSISTENT – The Project involves construction of 100 units under an Affordable Housing Overlay, consistent with the City General Plan designation and allowance for the Project site. This development on a vacant infill site would complete residential development in the Project area.
LCC-1.12 Ensure that private development provides sufficient funding for infrastructure and public services to support the development.	CONSISTENT – The Project developer will be required to remit development impact fees, as required by the City of Chino, prior to issuance of Building Permits or at a development stage determined by the City.
LCC-5.1 Promote a range of residential densities throughout the community to encourage a mix of housing types at varying price points and rents.	CONSISTENT – The Project site has an Affordable Housing Overlay. The Affordable Housing Overlay (AHO) is intended to promote the development of affordable housing for low, very low-, and moderate-income households in specific areas identified in the City General Plan where high density residential uses would not otherwise be allowed. The AHO is intended for standalone affordable and mixed income housing projects at densities of up to 30 dwelling units per acre. The Project will be built out at a density of 26 dwelling units per acre.
LCC-5.2 Facilitate the development of a greater variety of housing types and sizes in Chino neighborhoods to meet the needs of future demographics and changing household sizes, including single-family homes on small lots, accessory dwelling units, townhomes, cottage/bungalow courts, duplexes, triplexes, alley-facing units, and senior and student housing.	CONSISTENT – The Project will involve 100 multi-family dwelling units with varied size floor plans that will provide residential opportunities for single-person and family residences.
LCC-5.5 Within individual residential subdivision projects, a variety of floor plans and elevations should be offered.	CONSISTENT – The Project will involve 100 multi-family dwelling units with varied size floor plans that will provide residential

	opportunities for single-person and family residences.
HEALTH AND ENVIRONMENTAL QUALITY ELEMENT	
HEQ-5.11 Through the development review process, ensure that hazardous material-affected soil, groundwater, or buildings will not have the potential to adversely affect the environment or the health and safety of site occupants.	CONSISTENT – Although the Project site in the past was home to agricultural uses, the Environmental Site Assessments conducted for the Project site determined any agriculturally-related chemicals used on the Project site were not Recognized Environmental Conditions (RECs).
HEQ-6.6 Encourage new development to incorporate as many water-wise practices as feasible in their design and construction.	CONSISTENT – Project developer will comply with State and City requirements pertaining to water conservation.
HEQ-6.8 Conserve water through the planting and maintenance of trees and landscaping, which will provide for the capture of precipitation and runoff to recharge groundwater, in addition to providing shading for other landscaping to reduce irrigation requirements. Ensure that any 'community greening' projects utilize water-efficient landscape.	CONSISTENT – The Tree Inventory prepared for the Project contains specific recommendations pertaining to planting and maintenance of trees on the Project site, as noted in this Report.
HEQ-7.1 Reduce the amount of solid waste disposed in landfills by promoting source reduction and recycling throughout Chino and by expanding the range of programs and information available to residents and businesses, consistent with State requirements.	CONSISTENT – The Project will comply with all State and City of Chino requirements pertaining to solid waste reduction.
HEQ-7.2 Strive to reduce at source, recycle, or compost 75 percent of solid waste generated in the community from the year 2025 forward, consistent with State targets.	CONSISTENT – The Project will comply with all State and City of Chino requirements pertaining to solid waste reduction.
HEQ-8.7 Require cultural resource assessments prior to the approval of development proposals on properties located in archaeologically sensitive areas.	CONSISTENT – A Historical Resources Assessment and Archaeological and Paleontological Assessment have been prepared for the Project/Project site. Information from these Assessments is contained in this Report.
HEQ-8.9 Ensure that adverse impacts on sensitive biological resources, sensitive natural communities, sensitive habitat, and wetlands are avoided or mitigated to	CONSISTENT – The Biological Constraints Report prepared for the Project/Project site concluded that there were no sensitive biological resources,

the greatest extent feasible as development takes place.	sensitive natural communities, sensitive habitat or wetlands on the Project site.
HEQ-8.10 In areas where development (including trails or other improvements) has the potential for adverse effects on special-status species, require project proponents to submit a study conducted by a qualified professional that identifies the presence or absence of special-status species at the proposed development site. If special-status species are determined to be present, require incorporation of appropriate mitigation measures as part of the proposed development prior to final approval.	CONSISTENT – The Biological Constraints Report prepared for the Project/Project site concluded that there were no sensitive biological resources, special status species, sensitive natural communities, sensitive habitat or wetlands on the Project site.
HAZARDS, SAFETY, AND NOISE ELEMENT	
HSN-1.1 Require that new development be sited and designed to minimize risks from seismic events, including fault rupture and seismic shaking.	CONSISTENT – Project development and building construction will comply with all required State and City Building Code requirements pertaining to safety from seismic events.
HSN-1.3 Ensure that structures intended for human occupancy are designed and constructed to retain their structural integrity when subjected to seismic activity, in accordance with the California Building Code.	CONSISTENT – Project development and building construction will comply with all required State and City Building Code requirements pertaining to safety from seismic events.
HSN-1.4 In order to maximize soil stability and erosion prevention, minimize excavation, grading, cutting, or filling during construction; permit grading operations only in areas scheduled for immediate construction or paving; require erosion prevention as a strategy in the planning and design of grading operations; and avoid or minimize removal of ground cover, vegetation, and canopies.	CONSISTENT – Project cut and fill grading will be balanced on site and stabilized according to City of Chino Engineering and Public Works requirements.
HSN-1.6 Design, construct, and maintain street and storm drain flood control systems to accommodate storm flows and comply with federal and State requirements, employing "green infrastructure" techniques as feasible and appropriate.	CONSISTENT – As indicated in this Report, the Project storm drain system will mimic existing drainage patterns and be sized accordingly to accommodate storm flows, as required by the City of Chino.
HSN-1.9 Require that development projects employ low impact development	CONSISTENT – As indicated in this Report, the Project storm drain system will

(LID) design techniques that manage stormwater so as to infiltrate, filter, store, evaporate, and detain runoff close to the source of rainfall in order to reduce stormwater runoff and minimize increases in downstream runoff and/ or impacts resulting from new development.	mimic existing drainage patterns and be sized accordingly to accommodate storm flows, as required by the City of Chino. All Low Impact Development techniques required by the City will be implemented.
HSN-1.28 Ensure that noise does not have a substantial, adverse effect on the quality of life in the community.	CONSISTENT – The Noise Assessment prepared for the Project indicated that Project development-related noise would be temporary in nature and not be considered a significant impact, according to City of Chino standards. Project operational noise will not increase ambient noise levels in the Project area to significant levels, as indicated also in the Noise Assessment.
HSN-1.32 Require a noise study and mitigation measures for all projects that would expose people to noise levels greater than the "normally acceptable" standard and for any other projects that are likely to generate noise in excess of these standards.	CONSISTENT – The Noise Assessment prepared for the Project indicated that Project development-related noise would be temporary in nature and not be considered a significant impact, according to City of Chino standards. Project operational noise will not increase ambient noise levels in the Project area to significant levels, as indicated also in the Noise Assessment.
HSN-1.33 Limit the potential noise impacts of construction activities on surrounding land uses through noise regulations in the Municipal Code that address allowed days and hours of construction, types of work, construction equipment, notification of neighbors, and sound attenuation devices.	CONSISTENT – The Noise Assessment prepared for the Project indicated that Project development-related noise would be temporary in nature and not be considered a significant impact, according to City of Chino standards. Project operational noise will not increase ambient noise levels in the Project area to significant levels, as indicated also in the Noise Assessment.
HSN-2.7 Require new development to underground utility lines wherever feasible and continue to coordinate with electricity and telecommunications providers to underground existing overhead lines throughout Chino.	CONSISTENT – Project utility lines will be placed underground.
HSN-3.4 Require new residential subdivisions to have at least two ingress and egress routes that account for existing	CONSISTENT – The primary vehicular access to the Project will be via Magnolia Avenue. Secondary access will be via

and proposed traffic evacuation volumes at buildout. Design of ingress/ egress must comply with Chino Valley Fire Distrct standards.	Riverside Drive. The Chino Valley Fire Department will require approved plans for such prior to issuance of a Building Permit.
PARKS, RECREATION, AND COMMUNITY SERVICES ELEMENT	
PRC-4.6 Continue to require that new development contribute funds to ensure the provision of adequate police and fire services.	CONSISTENT – The Project developer will remit all required park fees in an amount determined by the City of Chino.

Criterion B

Criterion B: The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses.

The Project proposes to develop 100 multi-family residential units on a 4-acre site on Riverside Drive in the City of Chino (reference **Figure 2**). The Project will include 213 parking spaces (200 garage spaces; 13 guest spaces) and landscaping. Open space will total 10,800 square feet combined in two areas of the Project. Vehicular entries will be via Magnolia, which borders Project site to east, and from Riverside Drive, which borders Project site to north. Project development will involve demolition of 2 residential and a stable currently existing in the central and southwesterly portions of the Project site, site preparation, grading, building and wall construction, paving, and architectural coating.

The Project is located on a 4-acre site within a developed urban neighborhood. The Project site is surrounded by urban uses (reference **Figure 1**). Furthermore, zoning designations for properties bordering the Project site are as follows: Commercial General to the West and North; Residential RD-20 and RD-12 to the East; and Residential RD-4.5 to the South.

The Project would meet this Criterion.

Criterion C

Criterion C: The project site has no value as habitat for endangered, rare, or threatened species.

A Biological Constraints Report was conducted for the Project site that involved a general plant and wildlife survey and mapped vegetation. Following are the findings of the Report.

- The two types of vegetation that occur on the Project site are Developed/Ornamental and Disturbed/Ruderal.
- There are no drainage features, ponded areas, wetlands, or riparian areas subject to United States Army Corps of Engineers, California Department of Fish and Wildlife, or the Regional Water Quality Control Board on the Project site. No fish, amphibians, reptiles, or mammals were observed on the Project site during the biological resources survey. No habitat for fish or amphibians exists on the Project site.
- The Project site is surrounded by urban development and fenced on all sides and thereby does not connect areas of open space, is within a fragmented landscape, and does not support any native habitat. Therefore, the Project site would not be considered a regional or local wildlife movement corridor.
- The Project site lacks potentially suitable habitat or is outside the current known geographic or elevation range for all California Rare Plant (Ranks 1 and 2) species and none of these species would be expected to occur on the Project site.
- No Special Status Wildlife Species are expected to occur on the Project site due to absence of suitable habitat or because the Project site is outside the current known range of the species. In addition, the Project site is not located in areas designated or proposed as Critical Habitat.

The City of Chino Director of Community Development or his designee must give written permission prior to removing any mature trees.

The City Code also states that an arborist certified by the ISA (International Society of Arboriculture) must provide an arborist report at the property owner's expense for any tree(s) proposed to be removed that are 10 inches or larger in diameter, document the health and viability of the tree(s), and make a recommendation about the feasibility of maintaining or removing the tree(s).

A Tree Inventory was performed for the Project site, in compliance with City of Chino requirements. Trees on the Project site are subject to City Municipal Code Section 20.19.040(F), which codifies the City's tree protection ordinance protecting "mature trees." Mature Trees are defined as oak trees (*Quercus* spp.) with trunks more than 8 inches in diameter at breast height; other trees with trunks more than 10 inches in diameter at breast height; and multi-trunk trees with a total circumference of 38 inches or more at breast height. Trees that would meet the City's Tree Ordinance occur on the Project site.

Birds have potential to nest throughout the Project site and adjacent areas. The Migratory Bird Treaty Act (MBTA) protects the taking of migratory birds and their nests and eggs. Section 3503 of the California Fish and Game Code makes it unlawful to take, possess, or destroy any bird's nest or any bird's eggs. Section 3513 of the California Fish and Game Code prohibits the take and possession of any migratory nongame bird, as designated in the MBTA. Regulations prohibit activities that "take, possess, or destroy" any raptor nest or egg (California Fish and Game Code §3503, 3503.5, and 3513).

Ground-nesting species also have potential to nest throughout the Project site. Ornamental vegetation on the Project site and immediate vicinity can be used by nesting birds and raptors. In addition, birds and raptors can nest on adjacent developed structures.

A variety of indirect impacts may occur during construction and/or during Project implementation. This includes noise impacts affecting wildlife species in surrounding areas, impacts of night lighting (if new lighting is proposed) on adjacent habitat areas, and increased human activity near adjacent habitat areas. Given the existing ambient conditions (e.g., existing development, traffic noise, night lighting, and human activity), indirect impacts are not anticipated to be a substantial change from the existing conditions in the area.

The following measures are recommended in the Tree Inventory to avoid and minimize impacts on biological resources:

1. The City's tree preservation ordinance in Municipal Code Section 20.19.040(F) states that "Mature trees shall not be removed without prior written approval of the Director of Community Development or his designee." The ordinance specifies replacement requirements for any Mature Trees to be removed. A tree inventory report should be prepared by a qualified Arborist to determine the size of all trees occurring on the Project site, and to determine the corresponding replacement requirements.

2. In order to avoid impacts on nesting birds and raptors, construction should be scheduled to begin between September 1 and January 31, which is outside the peak nesting season, if possible. If construction activities must occur during the peak nesting season (i.e., generally between February 1 and June 30 for raptors and between March 1 and August 31 for other nesting birds), a pre-construction nesting bird survey must be conducted by a qualified Biologist within three days prior to vegetation removal/construction activities. If the Biologist finds an active nest within or adjacent to the construction area, the Biologist will identify an appropriate protective buffer zone around the nest depending on the sensitivity of the species, the nature of the construction activity, and the amount of existing disturbance in the vicinity. Construction may be temporarily restricted in the vicinity of the nest until nesting is complete, as determined by the Biologist.

The Tree Inventory Report prepared for the Project site by a certified arborist indicates "there are 21 mature trees on the Project site, none of which are oak trees and all of which are requested to be removed as part of site preparation for Project development. Three of the 21 trees were deemed to be undesirable species and thereby not count as mature trees." In addition, there are four street trees along Riverside Drive adjacent to the Project site. If the City requires mitigation for all 21 trees, the replacement should be the following: Twenty 36-inch-box trees; Thirty 48-inch-box trees; and Two 60-inch-box trees.

The Applicant/Property Owner/Developer has indicated he would like to proceed with payment of in-lieu fees if they cannot fit required trees at the property, as specified in the City Code Section 20.19.040.F.6.

The Arborist Report provides Tree Protection Measures that have the following components:

- Tree Protection Zone to be respected and observed during all construction activities near protected trees to facilitate root protection.
- Monitoring all changes to the Project, which must be reviewed by the Project Arborist.
- Grubbing, Clearing, and Grading must be done manually to protect tree roots, with specified techniques.
- Root Pruning, which must be done manually only by Project Arborist.
- Paving and Perimeter Walls/Fencing must be reviewed carefully with the Project Arborist.
- Mulching that includes retaining all existing leaf litter within the protected zone of trees.
- Landscaping Around Native Trees with irrigation limitations .
- No new trees shall be planted within the maximum radius of the dripline of any protected trees, except as approved by the Project Arborist.

The Project would meet this Criterion, as supported by the information in the technical studies conducted for the Project/Project site.

Criterion D

Criterion D: Approval of the project would not result in any significant effects relating to air quality, noise, traffic, or water quality.

Traffic

The following narrative is based on information provided in the Traffic Impact Analysis and the VMT Screening Memo prepared for the Project.

The Traffic Impact Analysis studied the following five intersections adjacent to or near the Project site:

- Riverside Drive/Oaks Avenue
- Riverside Drive/Ross Avenue
- Riverside Drive/Magnolia Avenue
- Riverside Drive/Mountain Avenue
- Project Driveway/Magnolia Avenue

The Traffic Impact Analysis included Level of Service determinations for the following current and future traffic conditions: Existing Traffic Conditions; Existing Plus Project Traffic Conditions; Opening Year Traffic Conditions; Opening Year Plus Project Traffic Conditions; Horizon Year Traffic Conditions; and Horizon Year Plus Project Traffic Conditions. Conclusions in the Analysis stated all the above study intersections "…are projected to operate at an acceptable LOS during the AM and PM peak hours…" for all noted traffic conditions. The City of Chino General Plan establishes that an average level of service (LOS) "D" or better shall be achieved at all intersections.

The Traffic Impact Analysis used the industry standard *Institute of Transportation Engineers Trip Generation Manual* trip generation and pass-by rates to determine Project trip generation. It was determined that on weekdays, the Project is projected to generate 674 daily trips, which includes 40 AM peak hour and 51 PM peak hour trips. Distribution of these daily trips was determined based on anticipated travel patterns to and from the Project site, as provided in the Traffic Impact Analysis. Based on projected Project AM and PM peak hour trips, the intersection analysis indicated all study intersections would operate at acceptable Levels of Service for the Existing Plus Project condition.

The Chino General Plan does not identify any existing or planned bicycle facilities adjacent to the Project site. Also, paved pedestrian sidewalks exist along all roadways of the study intersections with the exception of the northwest corner of the Riverside Drive/Mountain Avenue intersection in the westbound direction. In addition, Omnitrans Route 84 provides bus service to the Riverside Drive/Oaks Avenue and the Riverside Drive/Magnolia Avenue intersections.

VMT Screening

City of Chino Traffic Impact Analysis Guidelines provides screening criteria and requirements for Vehicle Miles Traveled (VMT) assessment of land use projects. The Low VMT Area Screening criteria indicates land use projects are presumed to have a less than significant impact on VMT when located in a Low VMT traffic analysis zone (TAZ). A Low VMT TAZ generates 15% less than the baseline level. Per the City *Guidelines*, the San Bernardino County Transportation Authority VMT Screening Tool may be used to determine when a project is located within a Low VMT TAZ. The Project location was entered into the VMT Screening Tool, which determined the Project is in a Low VMT TAZ. Therefore, the Project is exempt from a VMT analysis.

Conclusion

The Project would not significantly impact City intersection or roadway systems based on results of Project incremental changes in vehicular trips or vehicle miles traveled. Project approval would not result in any significant effects pertaining to traffic. Therefore, the Project would meet this Criterion.

Air Quality

The following narrative is based on the Focused Air Quality and Greenhouse Gas studies prepared for the Project. State *CEQA Guidelines* provides that a project would result in potentially significant impacts related to Air Quality if it would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations; or,
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

A summary of findings of the Focused Air Quality study is provided below.

The Focused Air Quality study was conducted to evaluate the air quality, greenhouse gas, and energy construction and operational emissions generated by the Project and to compare Project emissions to South Coast Air Quality Management District (SCAQMD) thresholds of significance as related to residential and commercial uses and consistency with the City General Plan.

The Air Quality consultant (MD Acoustics) utilized the latest version of CalEEMod to calculate Project construction and operational emissions. Project construction was modeled to commence no earlier than January 2026 and be completed by February 2027. “Construction” (i.e., Project development) assumes demolition of the existing structures on the Project site, site preparation, grading, building construction, paving, and architectural coating. CalEEmod defaults were utilized.

The Air Quality Study conducted for the Project compared Project emissions to regional and localized SCAQMD thresholds of significance for Project development (construction) and operational emissions of the following pollutants:

- Ozone
- Nitrogen Dioxide
- Lead
- Particulate Matter (PM10 and PM2.5)
- Carbon Monoxide
- Sulfur Dioxide

Regional Construction Emissions – The Study found that construction emissions for the Project would not exceed SCAQMD daily emission thresholds at the regional level, and therefore the impact would be less than significant.

Localized Construction Emissions – None of the analyzed criteria pollutants would exceed the LST emission thresholds at the nearest sensitive receptors, based on a 25-meter threshold as the nearest sensitive receptor is located 9 meters to the south. Therefore, the impact would be less than significant.

Regional Operational Emissions – Calculations of summer and winter emissions in the Analysis indicate none of the studied emissions would exceed SCAQMD thresholds.

Localized Operational Emissions – Calculations of on-site emissions indicate none of the studied emissions would exceed SCAQMD thresholds.

Furthermore, the Project will be subject to Chino General Plan policies and ordinances pertaining to air quality and climate change.

Greenhouse Gas Emissions (GHG)

The Greenhouse Gas Emissions study conducted for the Project concluded that Project operational GHG emissions do not exceed the San Bernardino County threshold (as provided in the *County of San Bernardino* Greenhouse *Gas Emissions Reduction Plan*) of 3,000 metric tons of Carbon Dioxide equivalent (MTCO2e) annually. Therefore, Project operational GHG levels substantiate that the Project is consistent with the County Plan pursuant to CEQA Guidelines Section 15183.5 and will not conflict with California Assembly Bill 32 or California Senate Bill 32 GHG reduction goals.

Also, the Project analysis indicates that "given the reasonably anticipated decline in project emissions once fully constructed and operational, the project is consistent with the Executive Orders [S-03-05 and B-30-15] horizon year goal."

Consistency with Applicable Plans

County of San Bernardino Greenhouse Gas Emissions Reduction Plan

According to the *County of San Bernardino Greenhouse Gas Emissions Reduction Plan*, "all development projects, including those otherwise determined to be exempt from CEQA will be subject to applicable Development Code provisions, including the GHG performance standards, and state requirements, such as the California Building Code requirements for energy efficiency."

Projects that do not exceed 3,000 metric tons of carbon dioxide equivalent (MTCO2e) annually will be considered consistent with the County Emissions Reduction Plan and determined to have a less than significant individual and cumulative impact for GHG emissions. Project operational GHG emissions do not exceed this County threshold and therefore the Project is consistent with the County Plan pursuant to State CEQA Guidelines Section 15183.5 and will not conflict with AB 32 or SB 32 goals.

Executive Orders S-03-05 and B-30-15

The Project analysis indicates "given the reasonably anticipated decline in project emissions once fully constructed and operational, the project is consistent with the Executive Order's horizon year goal." Therefore, the Project is consistent with these executive orders.

California Air Resources Board Scoping Plan

The Greenhouse Gas Study conducted for the Project states that the Project is consistent with all applicable Scoping Plan Strategies pertaining to 2022 Scoping Plan Measures and Recommended Actions to Reduce Greenhouse Gas Emissions. The Scoping Plan Measures pertain to the following:

- California Light-Duty Vehicle Greenhouse Gas Standards – These are CARB enforced standards; vehicles that access the Project are required to comply with the standards and comply with the stated strategy.
- Energy Efficiency – The Project will be compliant with the current Title 24 and CalGreen standards and will not impede City of Chino efforts to increase energy efficiency.
- Low Carbon Fuel Standard – These enforced standards; vehicles that access the Project are required to comply with the standards and comply with the stated strategy.
- Vehicle Efficiency Measures - These are CARB enforced standards; vehicles that access the Project are required to comply with the standards and comply with the stated strategy.
- Medium-Heavy Duty Vehicles – These are CARB enforced standards; vehicles that access the Project are required to comply with the standards and comply with the stated strategy.
- Green Building Strategy – The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards (that are mandatory in the 2022 edition of the Code) on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code

requirements), water conservation, material conservation, and internal air contaminants. The Project will be subject to these mandatory standards.

- High Global Warming Potential Gases – CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the Project are required to comply with the measures and will be subject to these standards.
- Recycling and Waste – The state currently is developing a regulation to reduce Methane emissions from municipal solid waste landfills. The Project will be required to comply with City of Chino programs, such as the City Recycling and Waste Reduction Program, which is consistent with the 75 percent reduction required by 2020 (per Assembly Bill 341).
- Water – The Project will comply with all applicable City of Chino ordinances and CALGreen requirements.
- Implement Mobile Source Strategies - These are CARB enforced standards; vehicles that access the Project are required to comply with the standards and comply with the stated strategy.
- Implement SB 350 by 2030 – The Project will be compliant with the current Title 24 and CALGreen standards and will not impeded City of Chino efforts to increase energy efficiency.
- Development of Regulations and Programs to Support Organic Waste Landfill Reduction Goals in the SLCP and SB 1383 – The Project will be required to comply with City of Chino programs, such as the City Recycling and Waste Reduction Program, which is consistent with the 75 percent reduction required by 2020 (per Assembly Bill 341).
- Deploy ZEVs and Reduce Driving Demand – The Project is in an urbanized area within ¼ mile of transit.
- Coordinate Supply of Liquid Fossil Fuels with Declining California Fuel Demand – The Project will be compliant with current Title 24 standards.
- Generate Clean Electricity – The Project will be compliant with current Title 24 standards and will not interfere with clean energy generation.
- Decarbonize Industrial Energy Supply – The Project will be compliant with the current Title 24 standards and will be residential in nature; therefore, the Project will not interfere with this goal.
- Decarbonize Buildings – The Project will be compliant with the current Title 24 standards.
- Reduce Non-Combustion Emissions - The Project will be compliant with the current Title 24 standards.

Furthermore, the Greenhouse Gas Study states that the Project is consistent with the Southern California Association of Governments 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy Land Use and Transportation Strategies, as indicated below.

- Reflect the changing population and demands, including combating gentrification and displacement, by increasing housing supply at a variety of affordability levels

– The Project will construct affordable housing on a 4-acre site that now contains only two dwellings.

- Focus new growth around transit – The Project residential development would be within ¼ mile of transit facilities.
- Plan for growth around livable corridors, including growth on the Livable Corridors Network – The Project is a residential development consistent with the 2020 RTP/SCS focus on growth along the 2,980 miles of Livable Corridors in the Project region.
- Provide more options for short trips through Neighborhood Mobility Areas and Complete Communities – The Project would help further jobs/housing balance objectives and is consistent with the Complete Communities initiative that focuses on creation of mixed-use districts in growth areas.
- Support local sustainability planning, including developing sustainable planning and design policies, sustainable zoning codes, and climate action plans – The Project would not interfere with this policymaking.
- Manage congestion through programs like the Congestion Management Program, Transportation Demand Management, and Transportation Systems Management strategies – The Project is a residential development that will minimize congestion impacts in the region because of its proximity to public transit.
- Promote zero-emissions vehicles – Although this action/strategy is not necessarily applicable on a project-specific basis, the City of Chino Building Code requires the proposed buildings to provide conduit for on-site electric vehicle charging stalls, which the Project is to provide in the proposed parking garage.
- Promote neighborhood electric vehicles – Although this action/strategy is not necessarily applicable on a project-specific basis, the City of Chino Building Code requires the proposed buildings to provide conduit for on-site electric vehicle charging stalls, which the Project is to provide in the proposed parking garage.

Furthermore, the Greenhouse Gas Study states that the Project is consistent with the Southern California Association of Governments 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy Land Use and Transportation Strategies.

Conclusion

Project development and operation have the potential to create Air Quality impacts through heavy-duty vehicle and construction equipment use and through vehicle trips from construction worker vehicles. Also, fugitive dust emissions would emanate from grading and other Project development activities. However, compliance with Rule 403 requirements pertaining to dust control will minimize air emissions. No SCAQMD daily significance thresholds would be exceeded. Therefore, Project development impacts would be less than significant. In addition, the Air Quality Analysis prepared for the Project concluded that Project operational emissions would not exceed SCAQMD daily significance thresholds. Furthermore, the Project would be consistent with applicable air quality plans and policies. Therefore, impacts pertaining to Project operational emissions and consistency with applicable air quality management plans, policies, or regulations would be less than significant.

Water Quality

The Project involves construction of 100 multi-family residential units, parking, fencing, landscaping, and an open space recreational area on approximately 4 acres. None of these components would be point source generators of water pollutants. As an urban development, the Project would add typical urban, nonpoint-source pollutants to storm water runoff. Urban runoff can have water quality impacts, such as containing various metals and pollutants from paved roadways, access drives, and parking lots.

Specifically, agricultural activities occurred on the Project site in the past. Organochlorine pesticides and/or herbicides may have been used on the Project site and thereby near-surface soils may have potentially contained these compounds. Also, the Environmental Site Assessments conducted on the Project site indicated that minor vehicle maintenance activities took place in the center of the Project site, which could have resulted in minor surficial petroleum releases. Furthermore, the two existing residences on the Project site have the potential for containing asbestos materials and lead-based paint. The Phase II Environmental Site Analysis involved an analysis of on-site soils, which further specified that historical agricultural use is not considered a Recognized Environmental Condition (REC) and specified that no further assessment was warranted.

It is likely that the City of Chino will require the Project developer to prepare a Storm Water Pollution Prevention Plan (SWPPP) because more than one acre of the Project site would be graded. The Project will be required to manage storm water drainage during development activities through City-specified methods. This could include use of retention basins on the Project site to retain storm water on the site; filtering storm water prior to its conveyance to a public drainage system; and compliance with other City of Chino Public Works requirements. The Water Quality Management Plan prepared for the Project indicates that runoff on the Project site drains toward the site southwest corner, where the runoff discharges through and underground system into existing culverts that funnel the runoff to Chino Avenue, then Chino Creek (which is part of the Santa Ana Regional Water Quality Control Board) and eventually to the San Antonion Channel, Santa Ana River, and ultimately to the Pacific Ocean. This pattern is historic.

The Hydrologic Analysis conducted for the Project indicates "…the design proposed conditions of the site satisfies the City of Chino design standards…The proposed outflow of the site follows the general direction of the existing drainage condition. During an event exceeding the design storm event, the emergency overflow path is designed to preserve historical drainage conditions."

The Water Quality Management Plan prepared for the Project has Project development and Project operational related Best Management Practices that the Project developer will implement to ensure water quality is maintained.

Conclusion

Project development and operation would not adversely affect underground aquifers, drainage patterns, or surface water quality. Therefore, the Project would meet this Criterion.

Noise

The Noise Impact Assessment prepared for the Project demonstrates Project compliance with applicable noise regulations and lack of significant noise impacts.

CEQA Guidelines establish that a project would have a potential significant noise impact if it resulted in the following:

a) Generation of a substantial temporary or permanent increase in ambient noise level in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.
b) Generation of excessive groundborne vibration or groundborne noise levels.
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

The City of Chino Municipal Code (Chapter 9.40) outlines the following as it relates to noise regulation:

- Per Section 9.40.030, all residential properties are considered Noise Zone I, commercial properties are considered Noise Zone II, and manufacturing or industrial properties re considered Noise Zone III.
- Per Section 9.40.040, the ambient noise level limit for residential properties is 55 dBA from 7 AM to 10 PM and 50 dBA from 10 PM to 7 AM. This Section also defines additional noise level limits depending on characteristics and duration of the noise. If the existing ambient exceeds the defined noise standards, the existing ambient level becomes the noise level limit.
- Per Section 9.40.060, construction is exempt from the noise standards if construction occurs within the allowable hours (7 AM to 8 PM, excluding Sundays and federal holidays), and if the construction noise on residential properties meets 65 dBA plus the limits defined in Section 9.40.0040.

Traffic is the primary noise source that would impact the Project site and Project site vicinity. Ambient noise level is 52 dBA and 50 dBA near the Project site and surrounding area. The exterior ambient noise level is estimated to be 55 dBA CNEL.

Project development noise was analyzed based on different construction phases. According to the Project Traffic Scoping Agreement, the Project site is located in a low-VMT area and therefore screens from a VMT analysis, as explained above. Therefore, traffic noise level projections were not analyzed for this Project. However, a change of 3

dB or more is the minimum increase to hear an audible difference, which would occur with a doubling of traffic. As indicated in the Traffic Study for the Project, approximately 943 daily trips would be generated by Project operation, which is less than double of traffic volumes along nearby roadways. Therefore, the noise impact from Project traffic will be less than significant.

A likely worst-case scenario for construction noise assumes equipment is operating as close as 15 feet from the closest sensitive receptor (nearest the Project site to the south). The Noise Assessment indicates that construction noise during each phase of Project development will range from 50 to 63 dBA at the nearest sensitive receptor to the south. Project construction activities are required to occur within permitted times and follow the noise limits as outlined in the Chino Municipal Code Section 9.40.060. Project construction noise levels meet the construction noise level limit of 65 dBA when abiding by the Best Practices listed below. Project construction noise therefore will comply with the City ordinance. The resultant level of impact will be less than significant.

Project operational noise includes HVAC units, which are assumed to be located on the ground level. Equipment will be at least 10 feet from the nearest residences to the south and west of the Project site. The maximum sound power level from an HVAC unit is assumed to be 78 dBA. Assuming the 8 closest units are operating simultaneously at 10 feet from the residences, the sound level would be 64 dBA at the nearest residences to the south. The Project wall along the south and west Project site property lines would be assumed to reduce noise from the HVAC units by approximately 15 dB. Therefore, the noise level from the HVAC units will be up to 49 dBA at the nearest residences. Per Section 9.40.040 of the City of Chino Municipal Code, the nighttime noise level limit at residential uses is 50 dBA. There, the noise due to the HVAC units operating simultaneously will comply with the nighttime residential noise standard. The resultant level of impact is less than significant.

The primary vibration source during Project development may be from a vibratory roller. Rollers will not get closer than 25 feet to the nearest residential buildings surrounding the Project site. At a 25-foot distance, the vibration would be perceptible but below any risk of damage. Therefore, the resultant level of impact would be less than significant.

Construction Noise and Vibration Reduction Best Practice Policies

Project construction must comply with the City of Chino Noise Ordinance, which states that construction must occur within permissible hours and meet construction noise level limits. To further ensure construction activities do not disrupt adjacent land uses, the following Best Management Practices should be taken, as indicated in the Noise Impact Assessment prepared for the Project:

1. Construction shall occur during the hours of 7 AM to 8 PM on weekdays and Saturdays.
2. All construction equipment shall be equipped with the appropriate mufflers or noise attenuation devices with a minimum of 15 dB noise reduction.
3. Vibratory rollers will not get closer than 25 feet to adjacent buildings.

4. The contractor shall locate equipment staging areas as far as possible away from the sensitive receptors.
5. Idling equipment shall be turned off when not in use.
6. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

Conclusion

Project development has the potential to generate an increase in temporary or periodic noise through use of heavy-duty construction equipment and through vehicle trips generated from construction workers traveling to and from the Project site. However, the Project will comply with the City of Chino Noise Ordinance and CEQA Guidelines with implementation of the Best Construction Practices listed above. This would ensure construction noise impacts would be less than significant. Also, Project construction-generated vibration would be below thresholds at sensitive receptors. As a result, construction vibration impacts would be less than significant. The Project will not generate a significant noise impact along area roadways during operational activities. Project operations would include typical residential-grade HVAC equipment for multi-family residential buildings. However, noise and vibration from such equipment would be less than significant. Furthermore, the Project site is not located within 2 miles of any airport.

Therefore, the Project would meet this Criterion.

Criterion E

Criterion E: The site can be adequately served by all required utilities and public services.

The Project site is located in an urbanized area and is surrounded by residential and other development, all served by existing utilities and public services including the following:

- Water – City of Chino Public Works
- Sewer – City of Chino Public Works
- Electricity – Southern California Edison
- Natural Gas – Southern California Gas Company
- Telephone – Spectrum
- Cable – Direct TV and Spectrum
- Trash/Waste – Waste Management Company
- School District – Chino Valley Unified School District

The City of Chino water and service area has the following utility lines adjacent to the Project site: Riverside Drive – 8" ACP Waer Main and 8" VCP Sewer Main; and Magnolia Avenue – 8" ACP Water Main and 10 – "VCP Sewer Main. The Assistant City Engineer has stated in writing that based on the existing adjacent water lines "…the City should be able to provide water and sewer service to the proposed development, provided the applicant obtains all necessary project approvals through the City and complies with all applicable conditions of approval … [which] may include, but are not limited to the payment of relevant fees and the construction of off-site public utility improvements, as determined by City staff and/or any required technical studies to address potential project impacts."

Conclusion

The Project thereby is considered to be an infill project on approximately 4 acres. A considerable increase in demand for public services or utilities would not be anticipated to result from Project operation. All utilities and public services will be provided to the Project site as is provided to all surrounding development.

Therefore, the Project meets this Criterion.

Exceptions to Categorical Exemption

The California *CEQA Guidelines* Section 15300.2 lists six exceptions to a categorical exemption. As discussed below none of the exceptions apply to the Project.

Location

This exception applies to Classes 3,4, 5, 6, and 11. This exception does not apply to a Class 32 exemption. Therefore, this exception does not apply to the Project. In addition, the Project site is not located in a sensitive environment and is located in an urban infill location surrounded by existing urban uses.

Cumulative Impact (State CEQA Guidelines Section 15300.2(b))

Under this exception, exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place over time is significant. There is no evidence of a potentially significant cumulative impact because successive projects of the same type in the same place have not been approved and are not proposed. As discussed above, the Project Transportation and VMT analyses did not identify significant cumulative traffic impacts regarding Project buildout and other related projects. The Project would not contribute to significant cumulative noise impacts with regard to the Project and other related projects. Also, the Project would not result in significant cumulative air quality/greenhouse gas emissions or water quality impacts. As a result, there is no evidence of significant cumulative impacts from successive projects of the same type in the same place over time. Therefore, this exception does not apply to the Project.

Significant Effect (State CEQA Guidelines Section 15300.2c)

This exception applies when there is a reasonable possibility that the Project will have a significant effect on the environment due to unusual circumstances. As described above, the Project would consist of 100 multi-family residential units constructed within buildings over parking garages and extending to 40-foot heights, more than 10,000 square feet of open space/recreation area, surface parking spaces, and landscaping on a 4-acre property. Project development would require demolition of two existing residences and adjunct structures on the Project site. The Project is consistent with provisions of an Affordable Housing Overlay on the Project site and is not unusual for its location. The Project/Project site is located in a developed urban neighborhood and is surrounded by urban uses in all directions, including residential and commercial uses. There are no features that distinguish the Project from others in the exempt class. There are no unusual circumstances. Therefore, this exception does not apply to the Project.

Scenic Highways (State CEQA Guidelines Section 15300.2(d))

This exception applies to a project that may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings or similar resources, within a highway officially designated as a State Scenic Highway. Based on a review of the California Scenic Highway Mapping System and the City of Chino General Plan, the Project site is not located on or near an officially designated scenic highway. The Project would have no impact on an officially designated scenic highway. Therefore, this exception does not apply to the Project.

Hazardous Waste Sites (State CEQA Guidelines Section 15300.2e)

This exception applies to a project located on a site included on any list compiled pursuant to Government Code Section 65962.5, which refers to a list of hazardous waste facilities compiled by the Department of Toxic Substances Control (DTSC). The ESA Phase I and Phase II did not identify the Project site as on a list of hazardous materials sites. Therefore, this exception does not apply to the Project.

Historic Resources (State CEQA Guidelines Section 15300.2(f))

State *CEQA Guidelines Section 15300.2* states that a categorical exemption "shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource." The Historic Resources Memo for the Project/Project site concludes that the existing residences on the Project site (6033 and 6041 Riverside Drive) are not associated with events or persons that have made a significant contribution to the broad patterns of national, state, or local history; they do not embody distinctive characteristics of an architectural type, period, or method of construction, nor do the residences represent the work of a master, nor possess high artistic values. Therefore, the residences are not significant under any of the established eligibility criteria for listing in the National Register of Historic Places or the California Register of Historical Resources and are not eligible for designation as historic resources. Neither residence has been identified as historically significant in any previous study. Therefore, the residences would not be considered historical resources as defined by CEQA. Therefore, the Project would not result in a substantial adverse change in the significance of a historic resource. As a result, this exception does not apply to the Project.

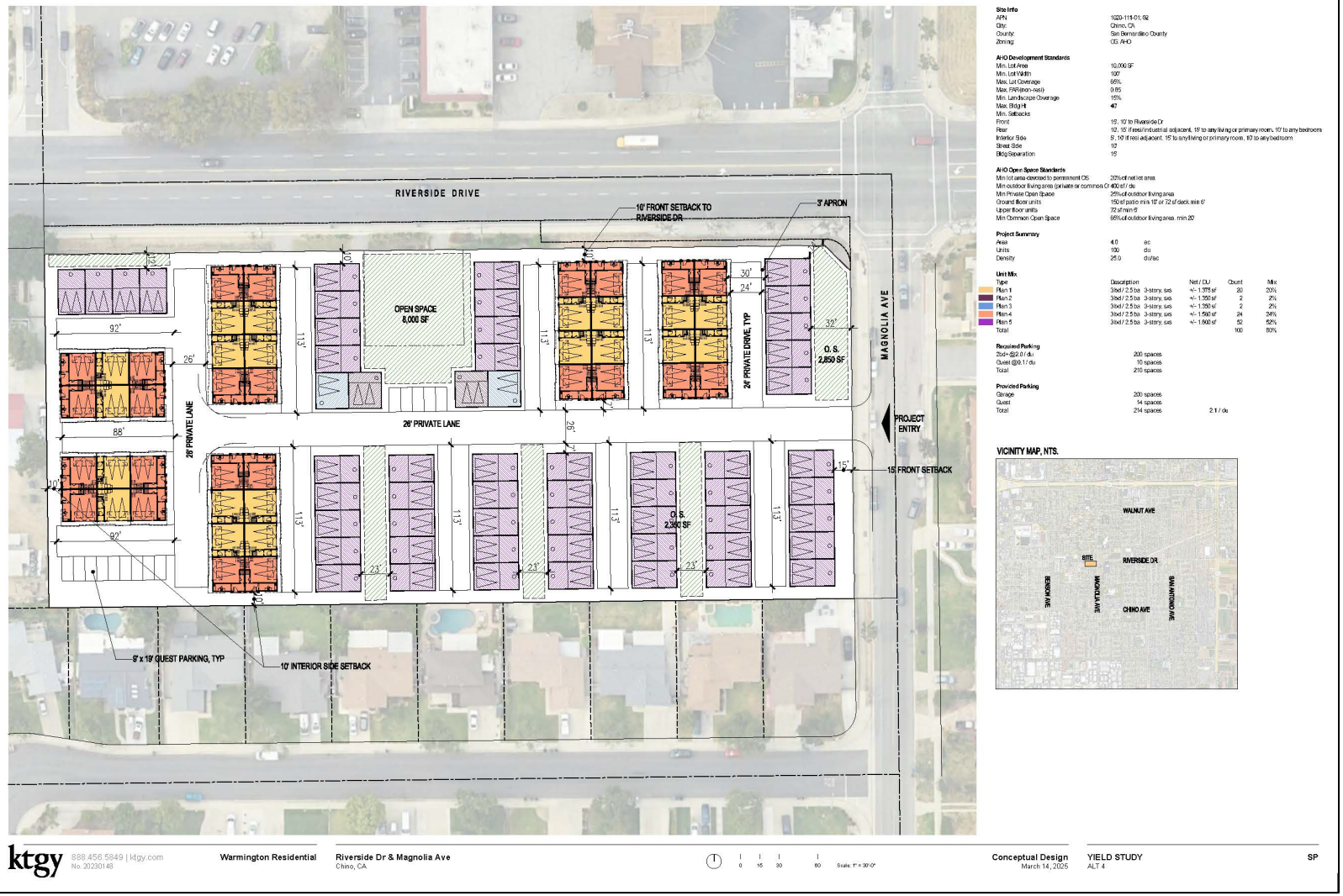
Summary

A project qualifies for a Class 32 Categorical Exemption (CE) if it is developed on an infill site and meets conditions described in this Report. The five (5) conditions that the Project must meet to qualify for the Class 32 Categorical Exemption are the following: A) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with the applicable zoning designation and regulations; (B) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses; (C) The project has no value as habitat for endangered, rare or threatened species; (D) Approval of the project would not result in any significant effects pertaining to traffic, noise, air quality, or water quality; and (E) The site can be adequately served by all required utilities and public services.

Based on the results of the "Traffic Impact Analysis" and the Vehicle Miles Traveled Screening Memo prepared by TJW Engineering, Inc., the "Cat 32 Exemption Noise Impact Assessment" and "Focused Air Quality, Greenhouse Gas, and Energy Impact Study" prepared by MD Acoustics, LLC, and the "Water Quality Management Plan" and "Preliminary Hydrology Study" prepared by C&V Consulting, Inc., as well as the consistency analysis with respect to criteria specified in the State *CEQA Guidelines* Section 15332, the proposed multi-family residential Project at 6033 and 6041 Riverside Drive qualifies for a Class 32 Categorical Exemption. The 4-acre Project site will be adequately served by required utilities. Furthermore, none of the exceptions to a Categorical Exemption listed in the State *CEQA Guidelines Section* 15300.2 apply to the Project. Therefore, it can be found that the Project meets the qualifications of the Class 32 Categorical Exemption.

Figure 1 – Project Regional Location Map

Figure 2 - Project Site Plan



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Alta California Geotechnical, Inc., “GEOTECHNICAL INVESTIGATION – Riverside Drive & Magnolia Avenue, City of Chino, County of San Bernardino, California,” (February 11, 2025)

C&V Consulting, “Preliminary Hydrology Study – Tentative Tract No. 20794, City of Chino, County of San Bernardino,” (May 2025)

C&V Consulting, Inc., “Water Quality Management Plan for 6033-6041 Riverside Drive, City of Chino,” (May 2025)

City of Chino, “General Plan”

City of Chino, “Municipal Code”

HISTORIC RESOURCES GROUP, “Memo to Warmington Residential, Attn: Bret Ilich from John Locascio, AIA, Principal Architect and Christine Lazzarett, Managing Principal,” (July 25, 2025)

Jonathan Flournoy Consulting, LLC, “Tree Inventory Report – For Property at 6033 and 5041 Riverside Dr., Chino, CA 91710, APNs 102-01100-101 and 102-011-102,” September 12, 2025)

MD ACOUSTICS, “Chino 4 Multi-Family Development – Focused Air Quality, Greenhouse Gas, and Energy Impact Study, City of Chino, CA,” (June 4, 2025)

MD ACOUSTICS, “Chino 4 Multi-Family Residential Development – Cat 32 Exemption Noise Impact Assessment – Chino, CA,” (August 7, 2025)

Plasencia, Jesus, P.E., City of Chino, Assistant City Engineer, Email Subject of “Will Serve Letters – Water & Sewer,” (May 14, 2025)

PSOMAS, “Biological Constraints Report for a Four-acre Project Site in the City of Chino, San Bernardino County, California,” (June 2, 2025)

PSOMAS, “Phase I Archaeological and Paleontological Resources Assessment – Chino 4 Project Site, San Bernardino County, California,” (August 2025)

Stantec, “6033 & 6041 Riverside Drive, Chino, California, 91710 – Phase I and II Environmental Site Assessment,” (February 7, 2025)

TJW Engineering, Inc., “Chino 4 Traffic Impact Analysis – City of Chino, California,” (August 28, 2025)

TJW Engineering, Inc., “Chino 4 VMT Screening, City of Chino, California,” (May 8, 2025)

MEMORANDUM
CITY OF CHINO
DEVELOPMENT SERVICES DEPARTMENT

PLANNING COMMISSION MEETING DATE: MAY 20, 2026

DATE: **MAY 20,2026**

TO: **CHAIRMAN AND MEMBERS OF THE PLANNING COMMISSION**

FROM: **ANDREA GILBERT, CITY PLANNER**

RECOMMENDATION

Adopt Planning Commission Resolution No. PC2026-006, recommending the City Council approve PL25-0032 (Preserve Specific Plan Amendment), based on the findings listed in the Planning Commission Resolution No. PC2026-006.

BACKGROUND

The Preserve Specific Plan (PSP) was originally adopted in March 2003. The applicant, Chino Preserve Development Corporation, is the Master Developer and majority landowner within the PSP area. The subject application represents the nineth amendment to The PSP and proposes modifications to several sections of The PSP, including private street sections to better facilitate development within the single-family residential land use designations and development standards for self-storage and recreational vehicle storage facilities. The proposed amendment also includes various clean-up revisions identified by City staff and the applicant; however, it does not include any land use changes, changes to densities, or changes to the maximum number of permitted residential units allowed in the PSP. All the proposed amendments are outlined in the draft City Council ordinance, as Exhibit “A” to Resolution No. PC2026-006.

ISSUES AND ANALYSIS

Chapter 19.06.040.A.3 and Roadway Sections

On March 23, 2026, two private street sections were presented to the City’s Streets and Infrastructure Committee. The Committee indicated support for street designs that include parkways, sidewalks, and parking on both sides of the street. The Committee also supported an alternative configuration that omits the parkway and sidewalk on one side of the street in situations where lots side or rear onto the street and specified that such private street sections should be limited to The Preserve. Based on its discussion, the Committee expressed support for the proposed street sections, limited to The Preserve.

To implement the applicant’s request and reflect the Committee’s direction, an amendment to Chapter 19.06.040.A.3 of the Subdivision Design Standards is required. Currently, this section permits private streets only within commercial, industrial or multifamily residential developments, with a limited exception for certain single-family subdivisions approved prior to January 1, 2019. The applicant proposes to amend Chapter 19.06.040.A.3 to expand the provision of private streets to include single-family residential zones within The PSP. The amended section is attached as Exhibit “A” to the staff report. The Planning Commission is not required to take action on the proposed Subdivision Ordinance Amendment.

In addition, the applicant is requesting an amendment to The PSP to incorporate the two private street sections supported by the Committee for use in single family residential land use designations. The proposed street sections designs are attached as Exhibit "B" to the staff report.

Development Standards for Self-Storage and Recreational Vehicle Storage Facilities

As part of the applicant's Development Agreement (DA), self-storage and recreational vehicle (RV) storage facilities would be permitted within the Low Density Residential (LDR) land use designation at a specific location along Chino-Corona Road (Mill Creek Avenue), across from the California Institution for Woman (CIW). To facilitate implementation of the DA, an amendment to The PSP is required. The proposed SPA would establish development standards for these uses, as The PSP does not currently include standards for self-storage or RV storage facilities. The proposed development standards for self-storage and RV storage facilities are consistent with the applicable standards in the City's Zoning Code and are included as Table 4 in draft City Council ordinance, as Exhibit "A" to Resolution No. PC2026-006.

General Clean Up and Clarification

In addition to the primary revisions, the proposed SPA includes minor clean-up and clarification updates to The PSP. The amendment does not modify land use designations, densities, or the intensity of permitted uses. A complete list of the proposed changes is provided in the List of Changes to The PSP (Exhibit "A" to Resolution No. PC2026-006). Some examples are listed below:

- Revision to graphics to reflect previously approved land use changes that were not incorporated into earlier exhibits.
- Updates to land use acreage tables for open space recreational and light industrial to reflect prior project approvals.
- Renumbering of tables to accommodate the addition of new Table (self-storage and RV storage development standards).
- Updates to the truck route exhibit.

PUBLIC NOTICE

A notice was published in the *Chino Champion* on May 9, 2026. The notice meets the legal noticing requirements and is adequate in scope for this project. No comments have been received to date.

ENVIRONMENTAL REVIEW

The existing environmental documentation is adequate and conforms with the provisions of the California Environmental Quality Act (CEQA), as the project is within the scope of The Preserve Chino Sphere of Influence – Subarea 2 Final Environmental Impact Report (SCH# 2000121036) originally certified on March 25, 2003, which adequately describes the proposed activity for the purposes of the CEQA, pursuant to CEQA Section 21166 and Section 15162 of the CEQA Guidelines. The Preserve Specific Plan Amendment does not include any land use changes, change in residential densities, or changes to the maximum number of permitted residential units allowed in The PSP, and would not create any new significant impacts, or impacts that are significantly different than those identified in The Preserve Chino Sphere of Influence – Subarea 2 Final Environmental Impact Report (SCH# 2000121036).

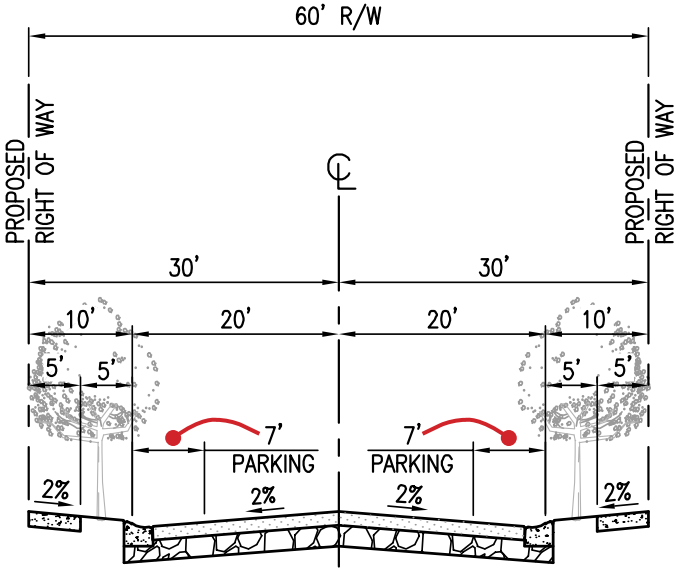
Attachments:

Exhibit “A” – Chapter 19.06.040.A.3 Amendment
Exhibit “B” – Private Street Sections for Single Family Residential
Planning Commission Resolution No. PC2026-006

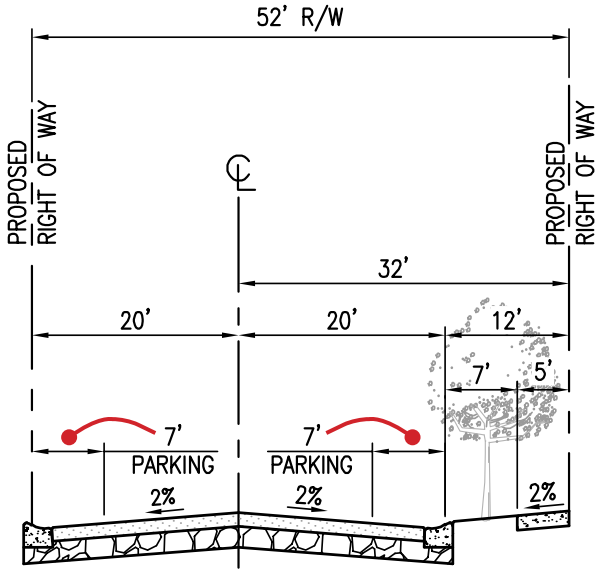
Chapter 19.06.040.A.3

The proposed private street is located on the premises of a commercial, industrial, or multifamily residential development; provided, however, that proposed private streets within a single-family zone as shown on a tentative subdivision map approved by the City before January 1, 2019 shall be allowed so long as any such private streets meet all applicable standards set forth in this chapter and those established by the City Engineer, including but not limited to, all applicable accessibility standards. Private streets may also be permitted within single-family residential zones of The Preserve Specific Plan area, provided that the adopted Preserve Specific Plan (or amendments thereto) expressly authorizes such private streets and establishes applicable development standards. The use and implementation of private streets within a development project that has an approved development agreement shall also comply with the requirements for private streets or gated communities within that development agreement.

Exhibit "B"



Private Street with Reduced Parkways
(Rolled or Wedge Curbs)



Private Street with Sidewalk on One Side[1]
(Rolled or Wedge Curbs)

Notes

1. This condition shall apply only to street segments where residential units front along one side with sidewalk and parkway. The opposite side, where no sidewalk is provided, shall be limited to lots that either side or rear onto the street, unless otherwise approved by the City at an appropriate location.

Not to Scale

RESOLUTION NO. PC2026-006

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CHINO, CALIFORNIA, RECOMMENDING THE CHINO CITY COUNCIL APPROVE PL25-0032 (PRESERVE SPECIFIC PLAN AMENDMENT), CONSISTING OF AN AMENDMENT TO THE PRESERVE SPECIFIC PLAN TO ESTABLISH PRIVATE STREET STANDARDS FOR SINGLE-FAMILY RESIDENTIAL AREAS, ADD DEVELOPMENT STANDARDS FOR SELF-STORAGE AND RECREATIONAL VEHICLE STORAGE FACILITIES, AND IMPLEMENT VARIOUS CLEAN-UP REVISIONS.

WHEREAS, the City of Chino (the "City") adopted The Preserve Specific Plan (The "PSP") on March 25, 2003; and

WHEREAS, the City, in compliance with the California Environmental Quality Act ("CEQA"), certified the Preserve Chino Sphere of Influence – Subarea 2 Final Environmental Impact Report (SCH# 2000121036) on March 25, 2003, which serves as the foundation document for the environmental review pursuant to CEQA Section 21166 and Section 15162 of the CEQA Guidelines; and

WHEREAS, Chino Preserve Development Corporation (the "Applicant") has filed an application with the City for approval of PL25-0032 (Preserve Specific Plan Amendment), to amend The Preserve Specific Plan to establish private street standards for single-family residential areas, add development standards for self-storage and recreational vehicle (RV) storage facilities, and implement various clean-up revisions (the "Project"), as outlined in draft City Council resolution attached as Exhibit "A"; and

WHEREAS, the proposed Project is the nineth specific plan amendment since The Preserve was approved in 2003; and

WHEREAS, the City Planning Commission has completed its study of the proposed Project and related materials; and

WHEREAS**,** on May 20, 2026, the Planning Commission held a duly noticed public hearing for PL25-0032 (Preserve Specific Plan Amendment) in compliance with law, entertained the written and oral report of staff, took public testimony on the Project, and recommended that the City Council approve the amendments to The PSP as outlined in the draft City Council resolution attached as Exhibit "A".

NOW, THEREFORE, the Planning Commission of the City of Chino, California, does hereby FIND, DETERMINE, and RESOLVE as follows:

A. The foregoing recitals are true and correct and incorporated herein.

B. Based on substantial evidence, both written and oral, from the public hearing, the Planning Commission makes the following findings and the following recommendation to PL25-0032 (Preserve Specific Plan Amendment):

1. PL25-0032 (Preserve Specific Plan Amendment)

a. The proposed specific plan or specific plan amendment is internally consistent with the General Plan, as the proposed changes are to provide private street sections for single family residential areas and self-storage and recreational vehicle (RV) storage development standards that will help facilitate development within The Preserve. The amendments are consistent with General Plan Goal INF-4 (Connected City), which promotes safe and convenient connections between neighborhoods and destinations for pedestrians, cyclists and transit users. The proposed private street standards incorporate pedestrian-oriented design features, including sidewalks, parkways and connectivity. The amendments are also consistent with General Plan Goal LCC-1 (Balanced Community), which encourages safe and livable neighborhoods. The proposed standards support this goal by enhancing neighborhood design while allowing supporting uses, such as self-storage and RV storage, in appropriate locations. The proposed amendments are consistent with the goals, policies, and implementation measures of the General Plan.

b. The proposed specific plan or specific plan amendment will not be detrimental to the public interest, health, safety, convenience or welfare of the City, as it will aid the development of single-family residential with private streets and facilitate the development of self-storage and RV storage facilities within the Low Density Residential (LDR) land use designation in The PSP that will serve all segments of the community.

c. The proposed specific plan or specific plan amendment will maintain the appropriate balance of land uses within the City, as the proposed changes to the specific plan do not include any land use changes, changes in residential densities, or changes to the maximum number of permitted residential units allowed in The PSP.

d. In the case of an amendment to a specific plan land use map, the subject site is physically suitable, including but not limited to parcel size, shape, access, availability of utilities and compatibility with adjoining uses for the requested land use designation and anticipated development. The proposed changes to the specific plan do not include any land use changes.

C. CEQA *Findings*. The environmental documentation is adequate and conforms

with the provisions of CEQA, as the Project is within the scope of The Preserve Chino Sphere of Influence - Subarea 2 Final Environmental Impact Report (SCH# 2000121036) originally certified on March 25, 2003, which adequately describes the proposed activity for the purposes of CEQA, pursuant to CEQA Section 21166 and Section 15162 of the CEQA Guidelines. The Preserve Specific Plan Amendment does not include any land use changes, changes in residential densities, or changes to the maximum number of permitted residential units allowed in The PSP, and would not create any new significant impacts, or impacts that are significantly different than those identified in The Preserve Chino Sphere of Influence – Subarea 2 Final Environmental Impact Report (State Clearinghouse No. 2000121036).

NOW, THEREFORE, BE IT RESOLVED, the City of Chino Planning Commission recommends that the City Council approve PL25-0032 (Preserve Specific Plan Amendment) as outlined in Exhibit “A” to this resolution.

APPROVED AND ADOPTED THIS 20th DAY OF MAY 2026.

_____
PLANNING COMMISSION CHAIRPERSON

ATTEST:

_____
SECRETARY, PLANNING COMMISSION

State of California)
County of San Bernardino) §
City of Chino)

I hereby certify the foregoing Resolution was duly adopted by the City of Chino Planning Commission at a regular meeting held on the 20TH day of May 2026 and entered in the minutes of said Commission.

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

_____
SECRETARY, PLANNING COMMISSION

Exhibit “A” – Draft City Council Ordinance

ORDINANCE NO. 2026-XXX

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CHINO, CALIFORNIA, AMENDING THE PRESERVE SPECIFIC PLAN TO ESTABLISH PRIVATE STREET STANDARDS FOR SINGLE-FAMILY RESIDENTIAL AREAS, ADD DEVELOPMENT STANDARDS FOR SELF-STORAGE AND RECREATIONAL VEHICLE STORAGE FACILITIES, AND IMPLEMENT VARIOUS CLEAN UP REVISIONS. PL25-0032 (PRESERVE SPECIFIC PLAN AMENDMENT).

The City Council of the City of Chino, California, does hereby ordain as follows:

Section 1. The Preserve Specific Plan is hereby amended as follows. Additions are shown in red; deletions are in **~~bold strikethrough~~**, and existing text that is not shown and will not be amended is denoted by ellipsis ("…").

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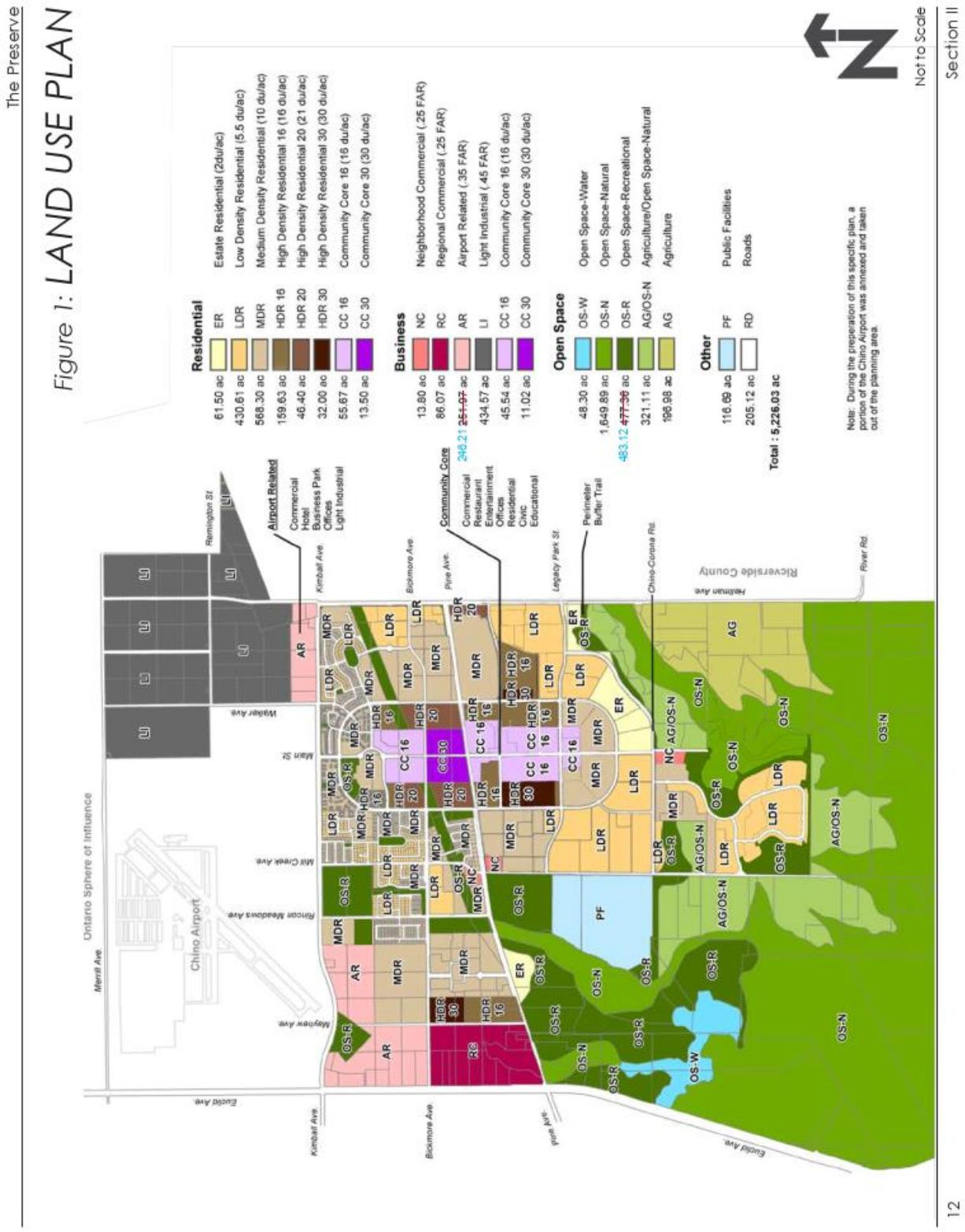
Figure 1 (pages 11-12) - The following map shall replace the existing map.



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- On November 15, 2021, the Planning Commission recommended approval and on December 7, the City Council approved Ordinance 2021-015 to adopt the Specific Plan Amendment for changes to Main Street along with some changes to other street sections, and general clean-up.

- On May 20, 2026, the Planning Commission recommended approval and on June 16, 2026, the City Council approved the Ordinance 2026-XXX to adopt a Specific Plan Amendment to establish private street standards for single-family residential areas, add development standards for self-storage and recreational vehicle storage facilities, and implement various clean-up revisions.

Figure 5 (pages 28-29) – The following map shall replace the existing map.

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Figure 5: ADJACENT PLANNED LAND USE

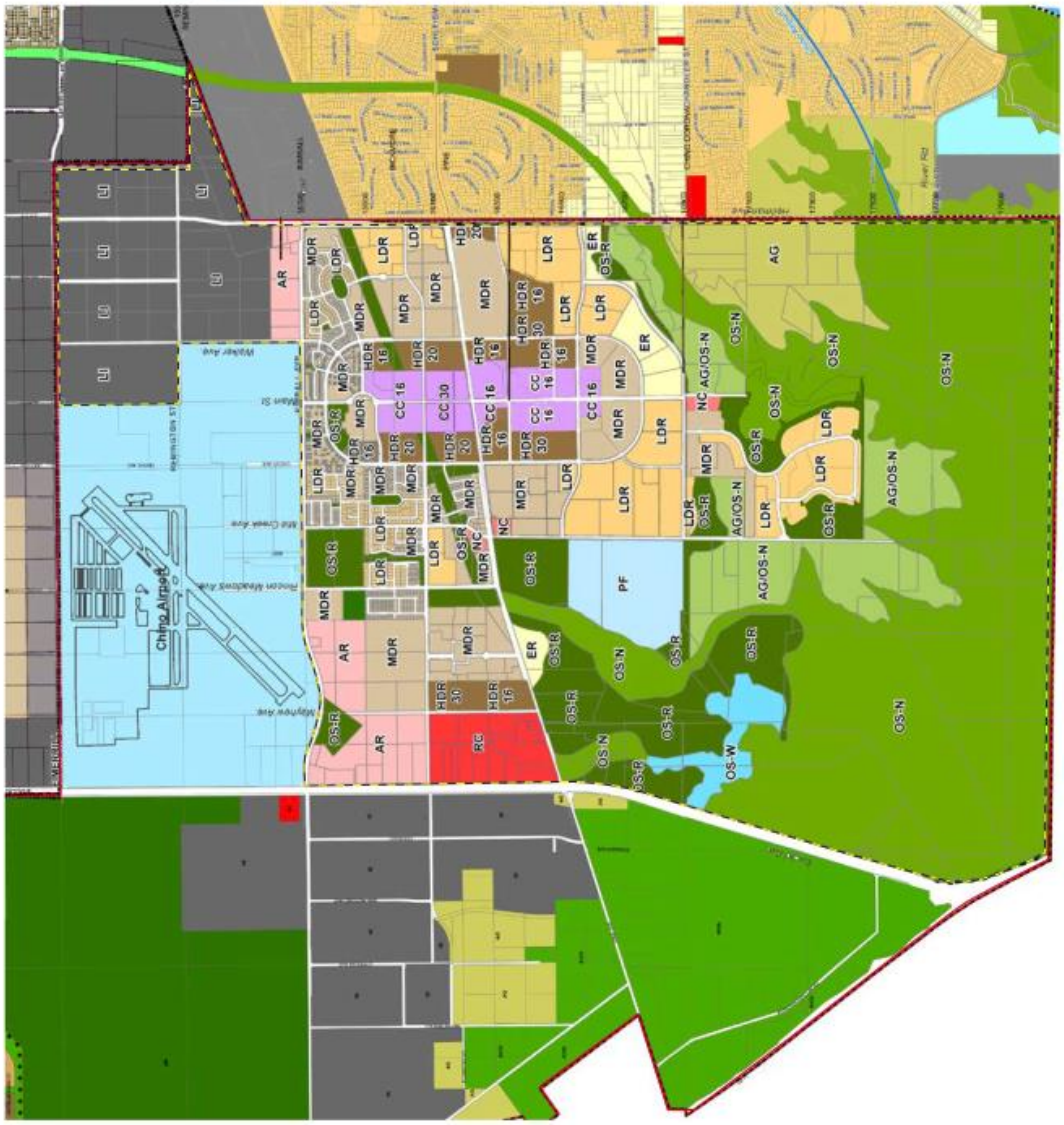

Figure 7 (pages 37-38) – The following map shall replace the existing map.

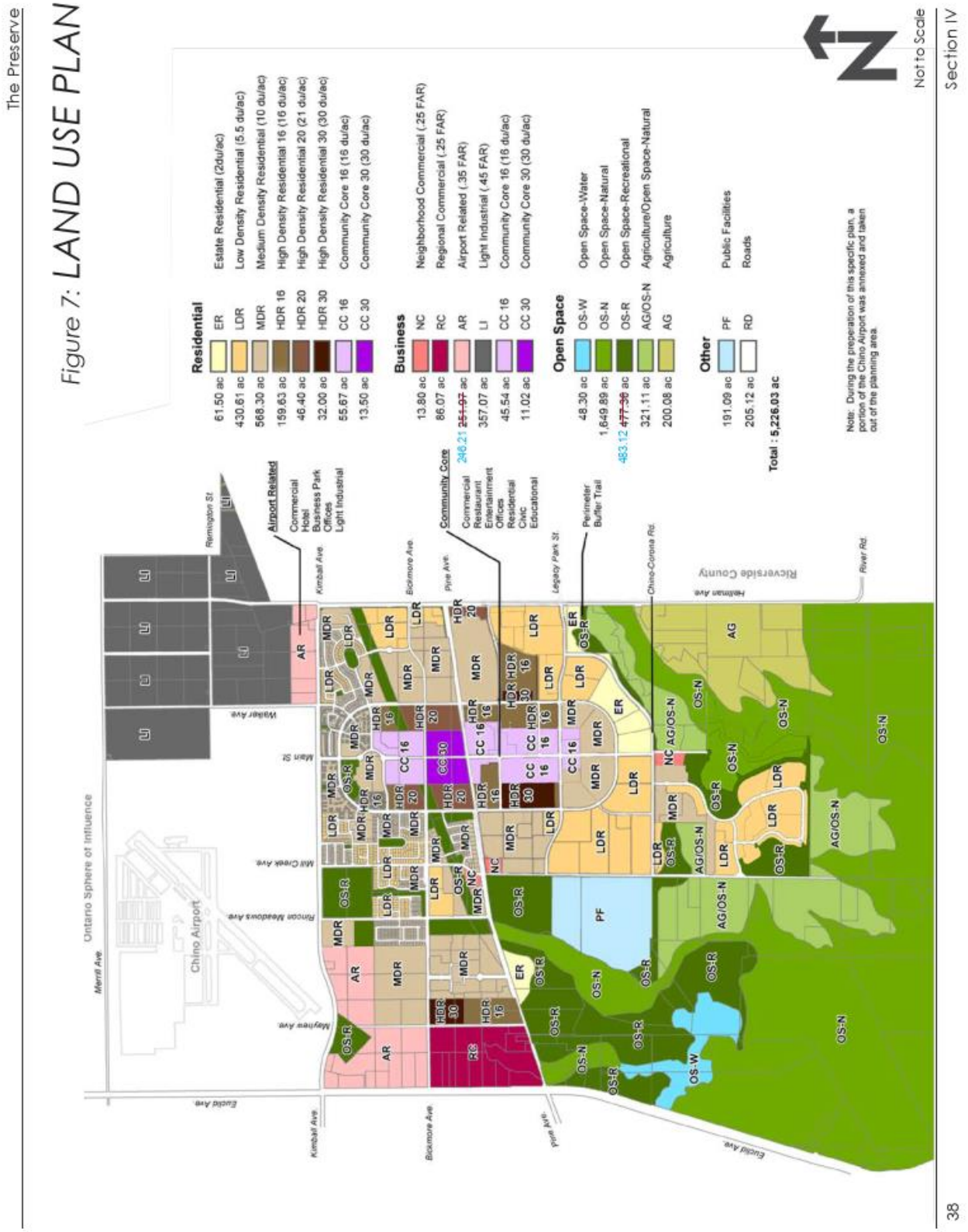

Table 1 (pages 40-41) – The following tables shall replace the existing tables.

TABLE 1 - LAND USE PLAN STATISTICAL SUMMARY						
	Adjusted Gross Ac.*	Adjusted Units[1]	Sq. Ft.[2]	Average Density[3] DU/Ac	Average Density[3] FAR	Density Range[4]
Residential Designations						
Estate Residential	61.50	123		2.0		0-3 du/ac
Low Density Residential	430.61	2,318		5.5		3-8 du/ac
Medium Density Residential	568.30	5,392		10.0		8-12 du/ac [6]
High Density Residential 16	159.63	1,351		16.0		12-20 du/ac
High Density Residential 20	46.40	878		21.0		16-24 du/ac
High Density Residential 30	32.00	768		30.0		24-40 du/ac
Community Core-16 (55% of Designation)	55.67	572		16.0		12-20 du/ac
Community Core-30 (55% of Designation)	13.50	323		30.0		24-40 du/ac
Residential Subtotal	***1,367.61***	***11,725***[1]				
Business Designations						
Neighborhood Commercial	13.80		150,282.00		0.25	N.A.
Regional Commercial	86.07				0.25	N.A.
Regional Commercial (70%)	60.25		656,122.5		0.25	N.A.
Office (15%)	12.91		140,589.9		0.25	N.A.
Open-Space-Rec. (15%)	12.91					
Airport Related	~~251.97~~ 246.21				0.35	
Light Industrial (55%)	~~138.58~~ 132.82		2,716,513.77		0.45	N.A.
Business Park (20%)	50.39		768,306.92		0.35	N.A.
Office (10%)	25.20		384,153.46		0.35	N.A.
Commercial (10%)	25.20		274,395.33		0.25	N.A.
Hotel (5%)	12.60		192,076.73		0.35	N.A.
Light Industrial	434.57		6,999,286.14		0.45	N.A.
Community Core-16 [5]	45.54			16.0	0.50	
MU Commercial (20%)	20.24		352,661.76		0.40	N.A.
MU Office (15%)	15.18		198,372.24		0.30	N.A.
MU Public Facilities (10%)	10.12					

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TABLE 1 - LAND USE PLAN STATISTICAL SUMMARY						
	Adjusted Gross Ac.*	Adjusted Units[1]	Sq. Ft.[2]	Average Density[3] DU/Ac	Average Density[3] FAR	Density Range[4]
Community Core-30	11.02					
MU Commercial (20%)	4.90		85,377.6		0.40	
MU Office (15%)	3.67		47,959.56		0.30	
MU Public Facilities (10%)	2.45					
Business Subtotal	~~765.47~~ *759.71*		*12,966,098*			
Open Space Designations						
Agriculture	196.98					
Open Space-Water	48.30					
Ag/Open Space-Natural	321.11					
Open Space Recreation	~~477.36~~ 483.12					
Open Space-Natural	1,649.89					
Open Space Subtotal	~~2,696.74~~ *2,699.4*					
Other Designations						
Public Facilities	116.69					
Women's Institute	122.00					
Chino Airport	69.09					
R.O.W.	205.12					
Other Subtotal	396.21					
Totals	***5,226.03***	***11,725***[1]	***12,966,098***			

Table 2 (page 42) - The following table shall replace the existing table.

Table 2 - Calculation of Adjusted Units					
Land Use Designation	*Adjusted Gross Acres*[1]	*Average Density Factor*	*Park Requirements (Acres)*[2]	*School Assumptions (acres)*[3]	*Adjusted Units*
Estate Residential	61.50	2.0	1.2	10	123
Low Density Residential	430.61	5.5	24.6		2,318
Medium Density Residential	568.30	10.0	62.1		5,392
High Density Residential 16	159.63	16.0	17.6	12.0	1,351
High Density Residential 20	46.40	21.0	9.0		878
High Density Residential 30	32.00	30.0	7.8		768
Community Core 16 – Residential	55.67	16.0	5.8	~~8.68~~	572
Community Core 30 – Mixed Use Residential	13.50	30.0	3.3		323
Non-Residential Designation					
Community Core 16- MU Public				~~16.32~~ 12.0	
Airport Related					
Open Space- Recreational					
Totals	**1,367.61**		**131.4**	~~35~~ 34	***11,725***

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[1] Adjusted gross acres is the gross project acreage excluding the acreage devoted to major, secondary, and collector street rights-of-way, easements for major utilities, and land for City parks and schools.

[2] Based on the City's standard of 3 acres per 1,000 population for all residential units within the Specific Plan. Persons per dwelling unit are estimated at 3.4 persons (Department of Finance, January 2000). Acres are allocated based on Conceptual Parks and Schools Plan (Figure 17).

[3] Two 12-acre School Sites assumed within the Community Core 16 and the High Density Residential 16 Designations. Potential third school site may not be required. A conceptual location is shown and could be moved to other locations in The Preserve, if necessary.

Table 3 (page 58) – The following table shall replace the existing table.

TABLE 3 - RESIDENTIAL DEVELOPMENT REQUIREMENTS

Land Use Designation	Estate Residential	Low Density Residential		Medium Density Residential		High Density Residential 16		High Density Residential 20	High Density Residential 30
Minimum Side Setbacks [9]									
Interior Property Line	10 ft	5 ft [31]	5ft [31]	3 ft	10 ft attached; or 3 ft detached/ cluster [18&29]	3 ft	15' for Attached or Detached or per CBC/CRC for Detached within same neighborhood [11 & 18]	15 ft [18&29]	15 ft [18&29]
Exterior Property Line	15 ft [13]	10 ft [13]	10 ft [13]	10 ft [13]	10 ft [13]	10 ft [13]	10 ft [13]	10 ft [13]	0 ft [3 & 13]
Non-Enclosed Porch	5 ft	3 ft	3 ft	3 ft[23]	3 ft[23]	3 ft[23]	15 ft[23]	15 ft	0 ft
Covered Patio	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft
Single Level Habitable[27]	10 ft	5 ft	5 ft	3 ft	10 ft attached; or 3 ft detached/ cluster [18&29]	3 ft	10 ft [18&29]	10 ft [18&29]	10 ft [18&29]
Detached Garages [5]	5 ft or 10 ft	0 ft	0 ft or 5 ft	0 ft or 5 ft	0 ft or 5ft	0 ft or 3 ft	0 ft	0 ft	0 ft
Minimum Rear Setbacks [9]									
Interior	25 ft	10 ft [31]	10 ft [31]	10 ft	10 ft & 15 ft [24]	10 ft	15 ft	15 ft	5 ft [3&14]
Exterior	25 ft [13]	20 ft [13]	20 ft [13]	15 ft [13]	15 ft [13]	15 ft [13]	15 ft [11 & 13]	15 ft [13]	0 ft [3 & 13]
Covered Patio	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft
Detached Garages w/ front access	Same as main structure	0 ft [16]	0 ft [16]	0 ft	0 ft	0 ft	0 ft	0 ft	N/A
Garages w/ rear access[30]	Same as main structure	5 ft. or ≥ 20 ft.	5 ft. or ≥ 20 ft.	5 ft. or ≥ 20 ft.	5 ft. or ≥ 20 ft.	5 ft. or ≥ 20 ft.	5 ft. or ≥ 20 ft.	5 ft. or ≥ 20 ft.	N/A
Minimum Open Space Setbacks[22]					5 ft.		5 ft.		
Maximum Lot Coverage	50% lot coverage	60% lot coverage	60% site coverage	70% lot coverage	70% site coverage	80% lot coverage	None[19]	None[19]	None [19]
Minimum Landscape Coverage	None [6]	None	20%	None	30% [18]	None [19]	20%	20%	None

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[30] Refer to Design Guidelines for wider range of setbacks for garages with rear access.

[31] When a residential lot shares a property line with a self-storage/RV storage use, a 5 foot landscape buffer plus a 15 foot building setback, for a total of 20 foot setback from property line to residential structure is required. A landscape lot may be counted towards a landscape buffer.

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LDR3 Uses Subject to a Special Conditional Use Permit

a. Per the "Conditionally Permitted Land Uses" for the RD4.5 zone, Chapter 20.04 of the Zoning Code.

b. Habitable and Non-Habitable accessory structures > 1200 SF per Chapter 20.11 of the Zoning Code.

c. ~~**Recreational Vehicle/Mini-Storage allowed with Conditional Use Permit on LDR Zoned Land located along Chino-Corona Road (Cucamonga Avenue)**~~

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~~**across from CIW.**~~ Recreational vehicle/self-storage on LDR land use designation located along Chino Corona Road (Cucamonga Avenue) across from CIW. Refer to Section LDR7 Recreational Vehicle/Self-Storage Development Requirements (Table 4).

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LDR 6 Development Requirements

a. Minimum side setbacks:

   i. Single lot, attached and clustered products:

      1. For single lot products: 0 ft from interior property lines to detached garages in the rear half of the lot. For detached garages in the front half of the lot, 5 ft. from interior property lines and 18 ft. from exterior property lines.

      2. For attached and clustered products: 0 ft or a minimum of 5 ft. for garages in the rear half of the lot. For detached garages in the front half of the lot, 5 ft. from the interior property lines and 18 ft. from the exterior property lines.

b. Minimum rear setbacks:

   i. Single lot, attached and clustered products:

      1. Garages with habitable living space the setbacks shall be those listed for interior and exterior minimum rear setbacks.

c. Recreational vehicle/self-storage on LDR land use designation located along Chino-Corona Road (Mill Creek Avenue) across from CIW. Refer to Section LDR7 Recreational Vehicle/Self-Storage Development Requirements (Table 4).

LDR 7 Recreational Vehicle/Self-Storage Development Requirements

a. Refer to Table 4.

Page 65 – The following table shall be added.

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TABLE 4 - RECREATIONAL VEHICLE/SELF-STORAGE DEVELOPMENT REQUIREMENTS	
Zoning Designation	LDR
Density and Lot Coverage	
FAR	1.25
Lot Coverage	70%
Lot Size	N/A
Minimum Lot Size	3 Acres
Minimum Project Size	3 Acres
Setbacks	
Minimum Street Side Setback	15 feet
Minimum Street Side Setback (Multi-Story Building)	30 feet
Minimum Interior Setback (Side or Rear)	0 feet
Structure Height	
Maximum Structure Height	40 feet
Maximum Stories	3
Landscape	
Minimum Landscape Coverage	10%; which may include the area within an adjacent landscape lot.
Parking and Loading	
Minimum Required	1 space per 100 storage units or 5 spaces, whichever is greater.
Minimum Space Dimensions	9 feet by 19 feet
Parking Along Buildings	5 feet as long as parking is screened from public view by wall or landscape. 0 feet if not screened from public view.
RV Parking	RV parking allowed within 10 feet from street side setback or property line / 0 feet from interior side/rear setback.
Walls and Fence Height	
Minimum Height	6 feet
Property Line	6 feet; however, the Director of Community Development may permit a wall in excess of 6 feet in height along an interior side or rear property line if additional height is required for security or noise attenuation purposes.
Within any required front or street side yard	3 feet, except that within industrial zoning districts, security fences and screen walls up to 6 feet in height shall be permitted, provided the fence/wall is located a minimum of 10 feet behind the street property line.
Security	10 feet; however walls/fences in excess of 6 feet in height shall be the minimum height necessary to ensure the security of a property, as determined by the director of community development.
Screen	14 feet
Noise Attenuation	The minimum height necessary to ensure adequate noise attenuation, as determined by a noise impact analysis.

Table 4 (pages 80-81), Table 5 (page 106), and Table 6 (page 141-142) – The tables shall be renumbered from Table 4 to 5, Table 5 to 6, and Table 6 to 7.

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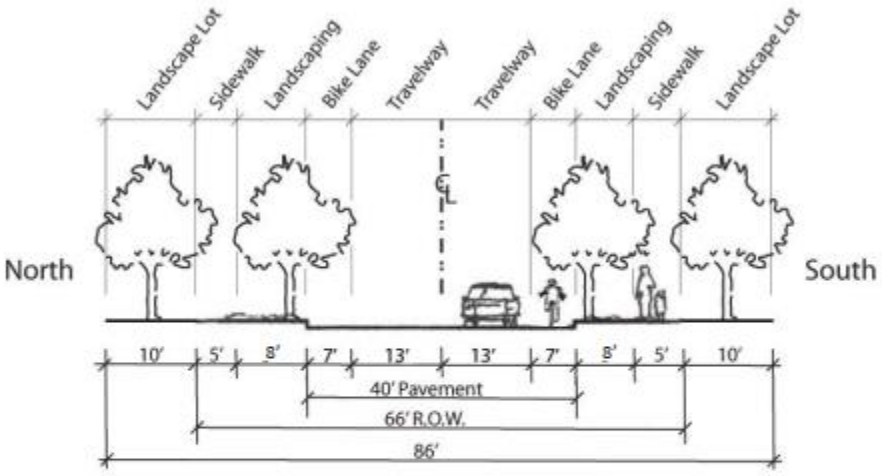
The local street section may be modified on a case-by-case basis if approved by the Fire Chief, the City Engineer and the Director of Development Services. Although the location of the local street section network is not defined, intersection and driveway spacing guidelines will be developed as an implementation measure of this Specific Plan. Private local streets within single-family residential neighborhoods are permitted in The Preserve Specific Plan area per the development standards on the cross-section shown on page 140 for Private Streets.

Street Section I1 Local Collector, Typical (page 125) – The following street section shall replace the existing street section.



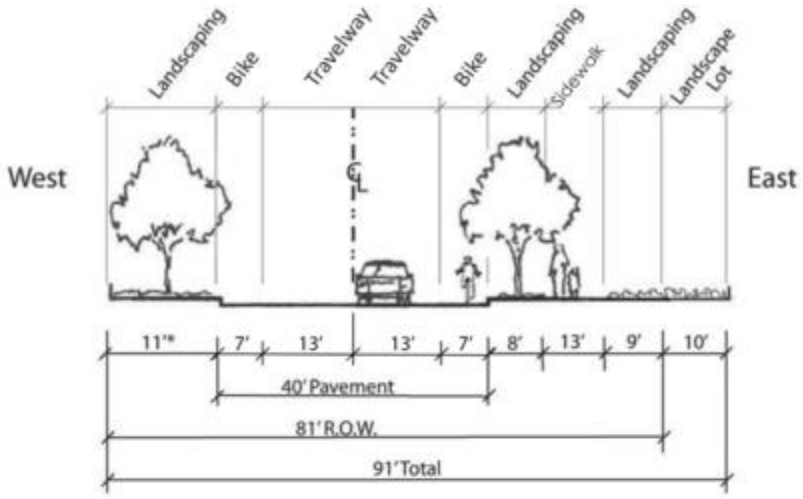
Mid-block cross section

I1 Local Collector, Typical

(with bike lane, no on-street parking)

Rincon Meadows between Kimball and Bickmore Avenues;
portions of Chino-Corona Road (East-West)
Class II ~~Buffered~~ Bike Lane

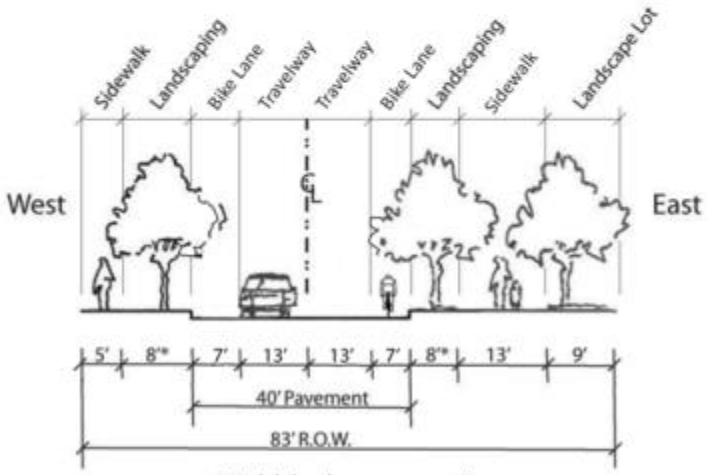
Street Sections I2 Local Collector, Typical and J2 Local Collector, with Paseo (page 126) – The following street sections shall replace the existing street sections.



Mid-block cross section

I2 Local Collector, Typical

Rincon Meadows between
Bickmore and Pine Avenues
Class II ~~Buffered~~ Bike Lane

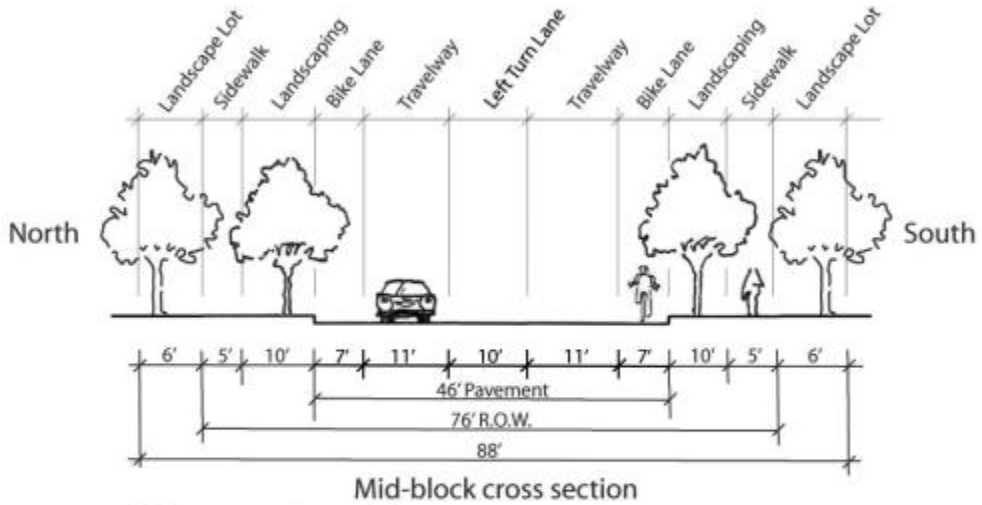


Mid-block cross section

J2 Local Collector, with Paseo

(no on-street parking)
Cucamonga Avenue below Pine Avenue
Class II ~~Buffered~~ Bike Lane

Street Section K Local Collector, with Transit (page 127) – The following street section shall replace the existing street section.

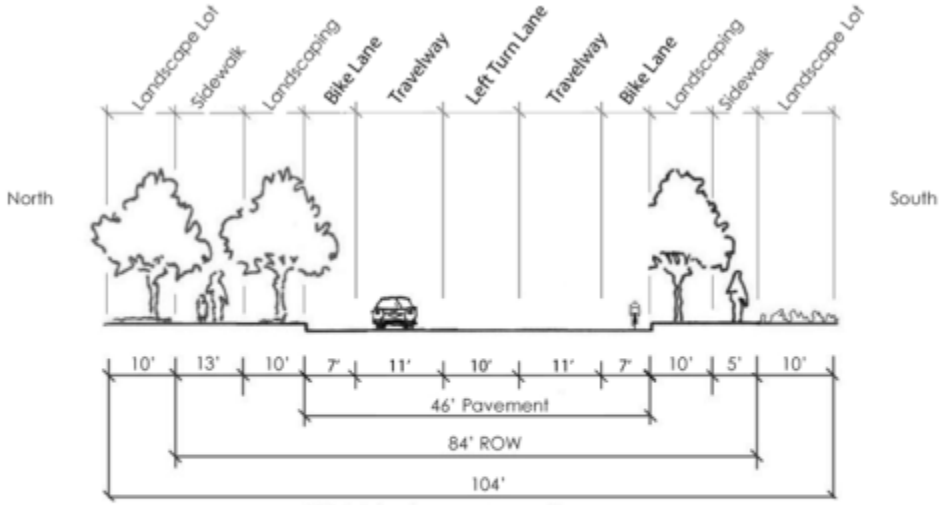


Mid-block cross section

K Local Collector, with Transit

Bickmore Avenue between Mill Creek/Cucamonga to East Preserve Loop
Class II ~~Buffered~~ Bike Lane
High Priority Transit Route

Street Section M2 Local Collector (page 128) – The following street section shall replace the existing street section.

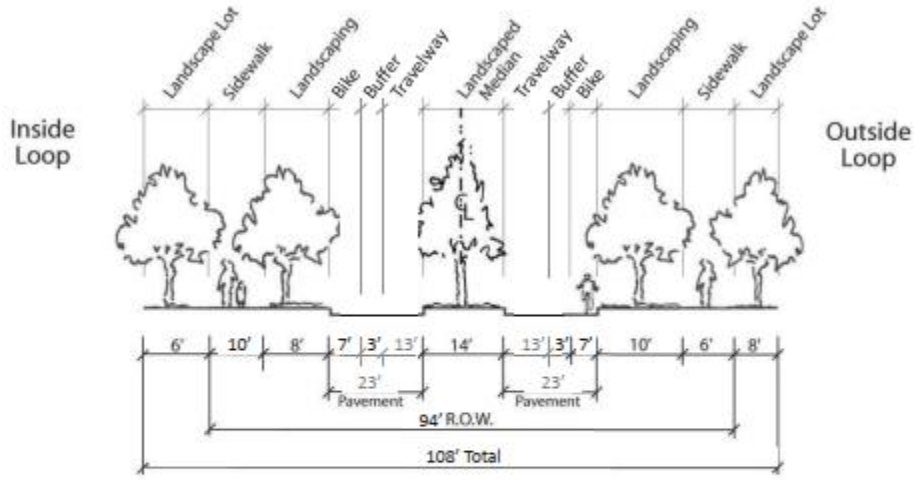


Mid-block street section

M2 Local Collector

Bickmore between Mayhew to Rincon Meadows
(no on-street parking)
High Priority Transit Route
Class II ~~Buffered~~ Bike Lane

Street Section O2 Loop Local Collector (page 129) – The following street section shall replace the existing street section.

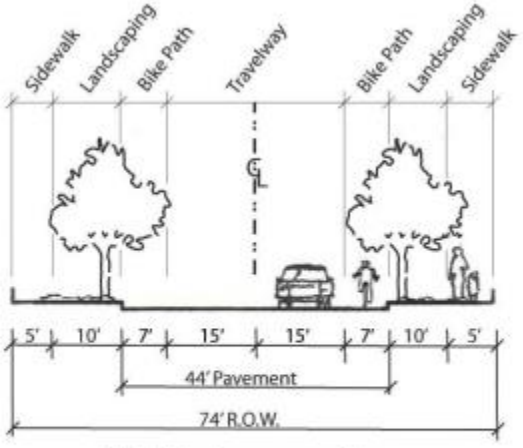


Mid-block street section

O2 Loop Local Collector

(no on-street parking)
High Priority Transit Route
Class II Buffered Bike Lane

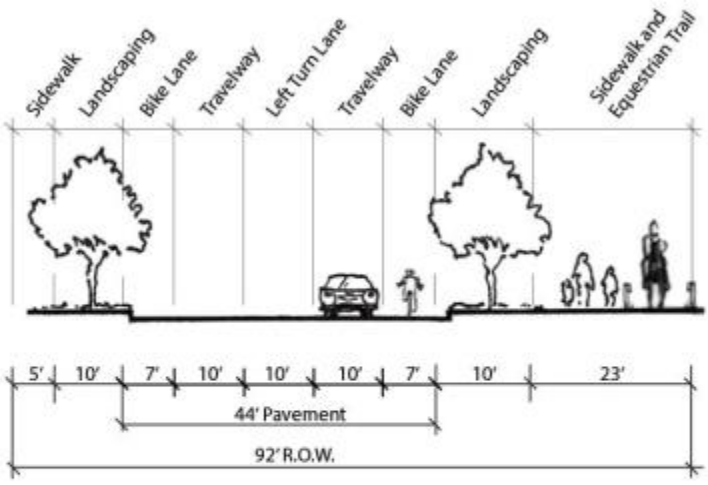
Street Sections P Commercial Collector, Typical and Q Commercial Collector (page 130) – The following street sections shall replace the existing street sections.



Mid-block cross section

P Commercial Collector, Typical

(no on-street parking)

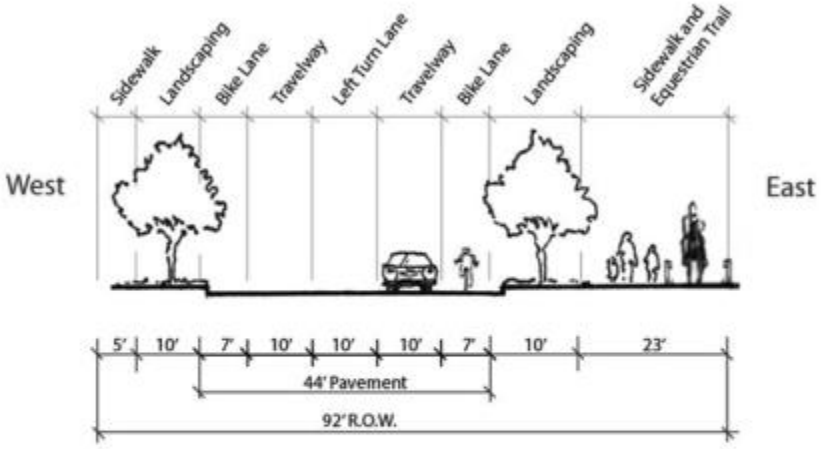


Mid-block street section

Q Commercial Collector

Mayhew south of Bickmore
(no on-street parking)
Class II ~~Buffered~~ Bike Lane

Street Section R Commercial Collector with Paseo (page 131) – The following street section shall replace the existing street section.



Mid-block street section

R Commercial Collector with Paseo

Quality Way north of Bickmore
(no on-street parking)
Class II ~~Buffered~~ Bike Lane

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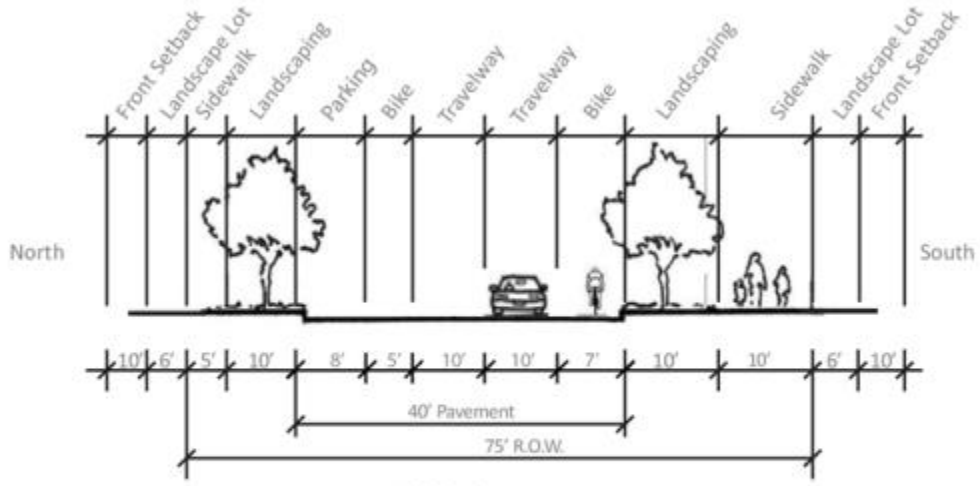
Street Section W Major Arterial with Paseo (page 134) – The following street section shall replace the existing street section.



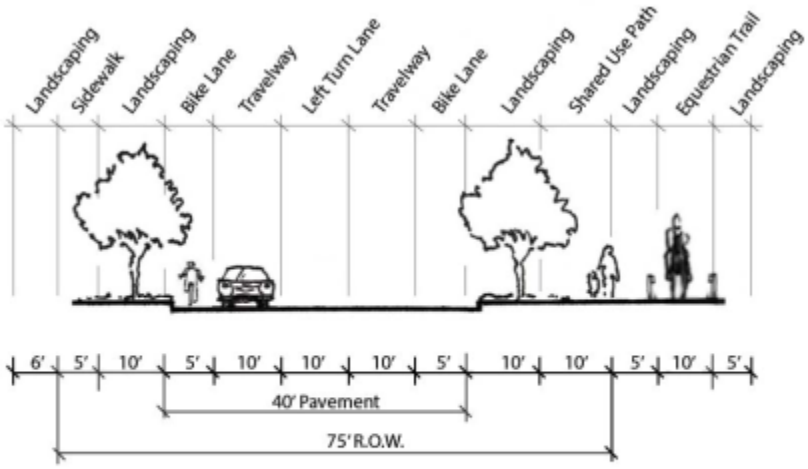
Mid-block street section

W Major Arterial with Paseo

Legacy Park within the Loop

Class II ~~Buffered~~ Bike Lane

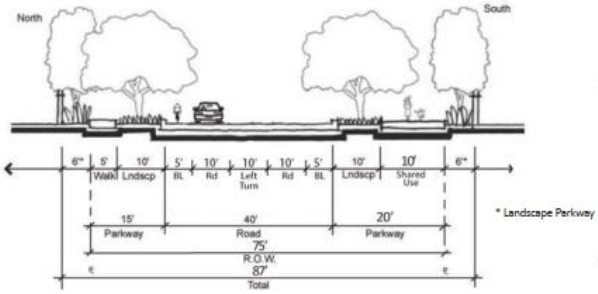
Street Sections D3 Legacy Park Street with Equestrian Trail, CC Legacy Park Street, and D4 Chino-Corona Road, with Equestrian Trail (page 137) – The following street sections for shall replace the existing street sections.



D3 Legacy Park Street with Equestrian Trail

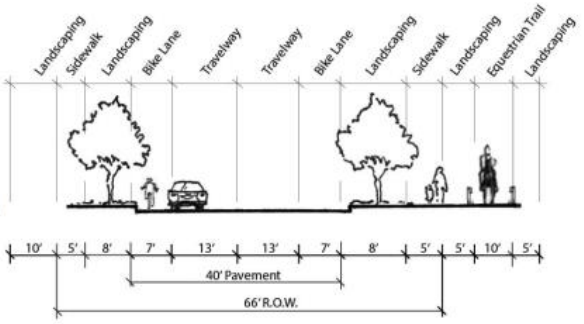
Discovery Avenue to Hellman Avenue

Class II Buffered Bike Lane



CC **Legacy Park Street**

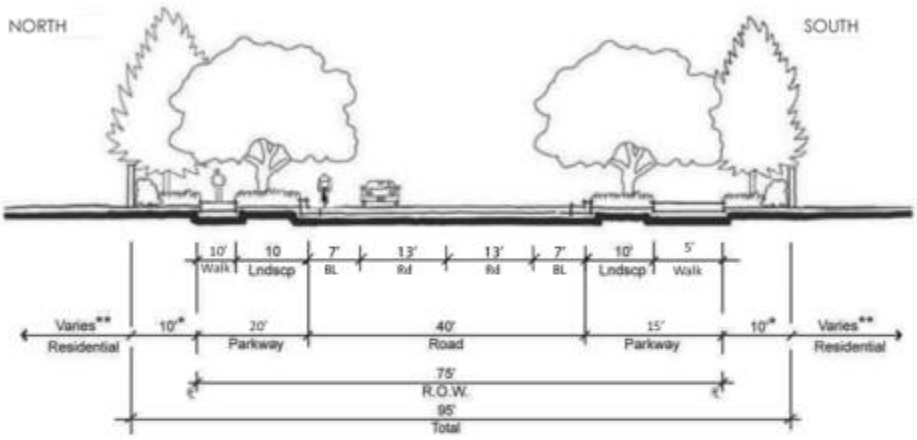
Outside Loop Road
Cucamonga Avenue to West Preserve Loop & East Preserve Loop to Discovery Park Avenue
(No On-street Parking)
Class II Buffered Bike Lane



D4 **Chino-Corona Road. with Equestrian Trail**

From Mill Creek Wetlands Parking Lot Driveway to Legacy Park Street
Class II Buffered Bike Lane

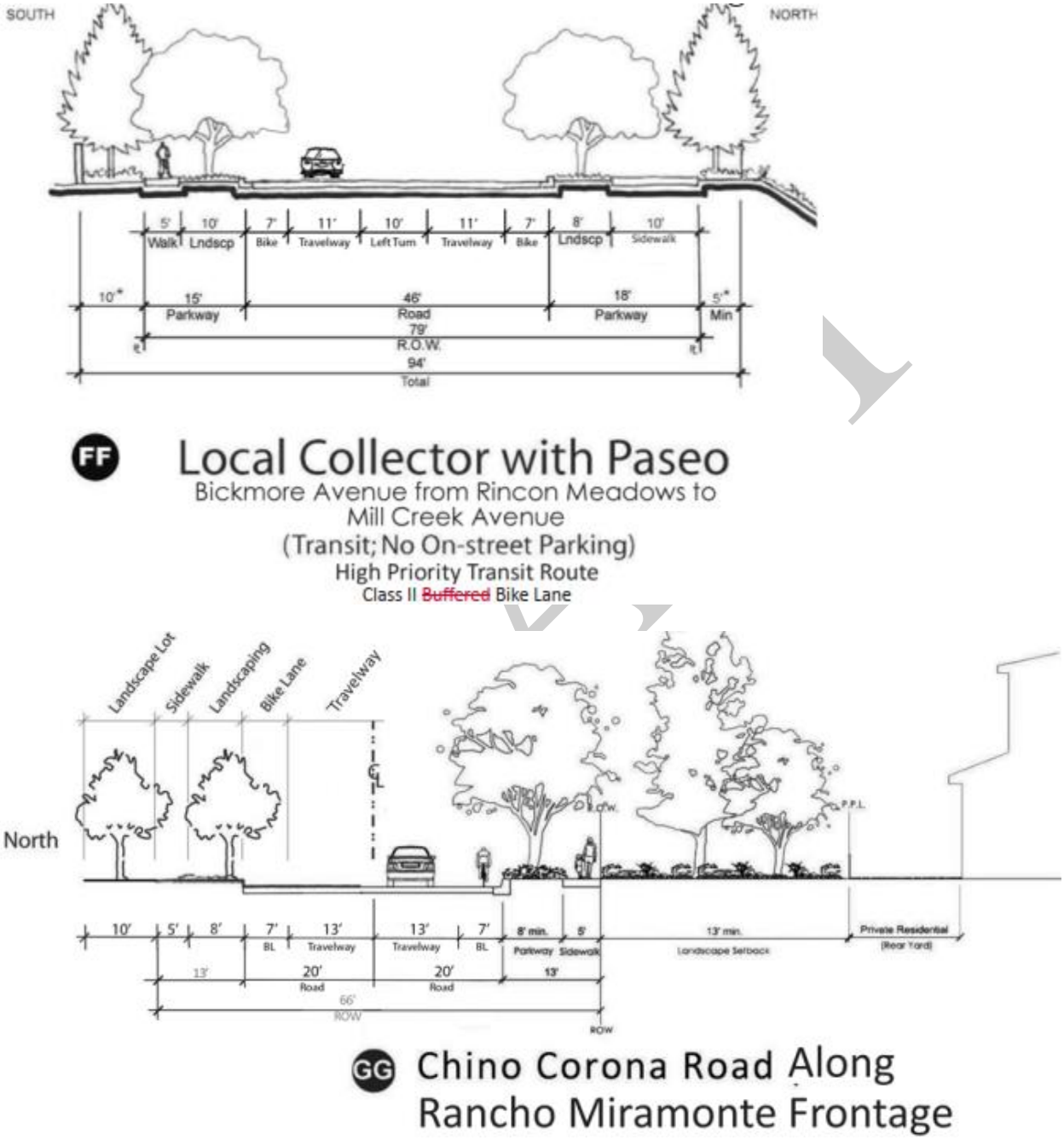
Street Section DD Local Collector (Page 138) – The following street section shall replace the existing street section.



DD **Local Collector**

Bickmore Avenue at Hellman Avenue
(No On-street Parking)
Class II ~~Buffered~~ Bike Lane

Street Sections FF Local Collector with Paseo and GG Chino-Corona Road along Rancho Miramonte Frontage (page 139) - The following street sections shall replace the existing street sections.



Page 140 – The following street sections shall be added.

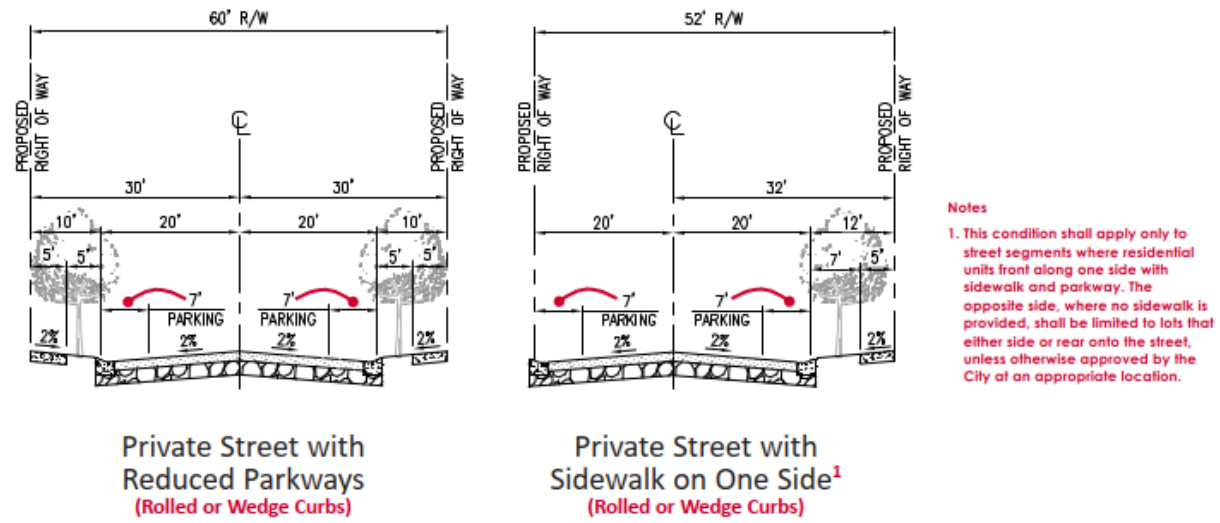
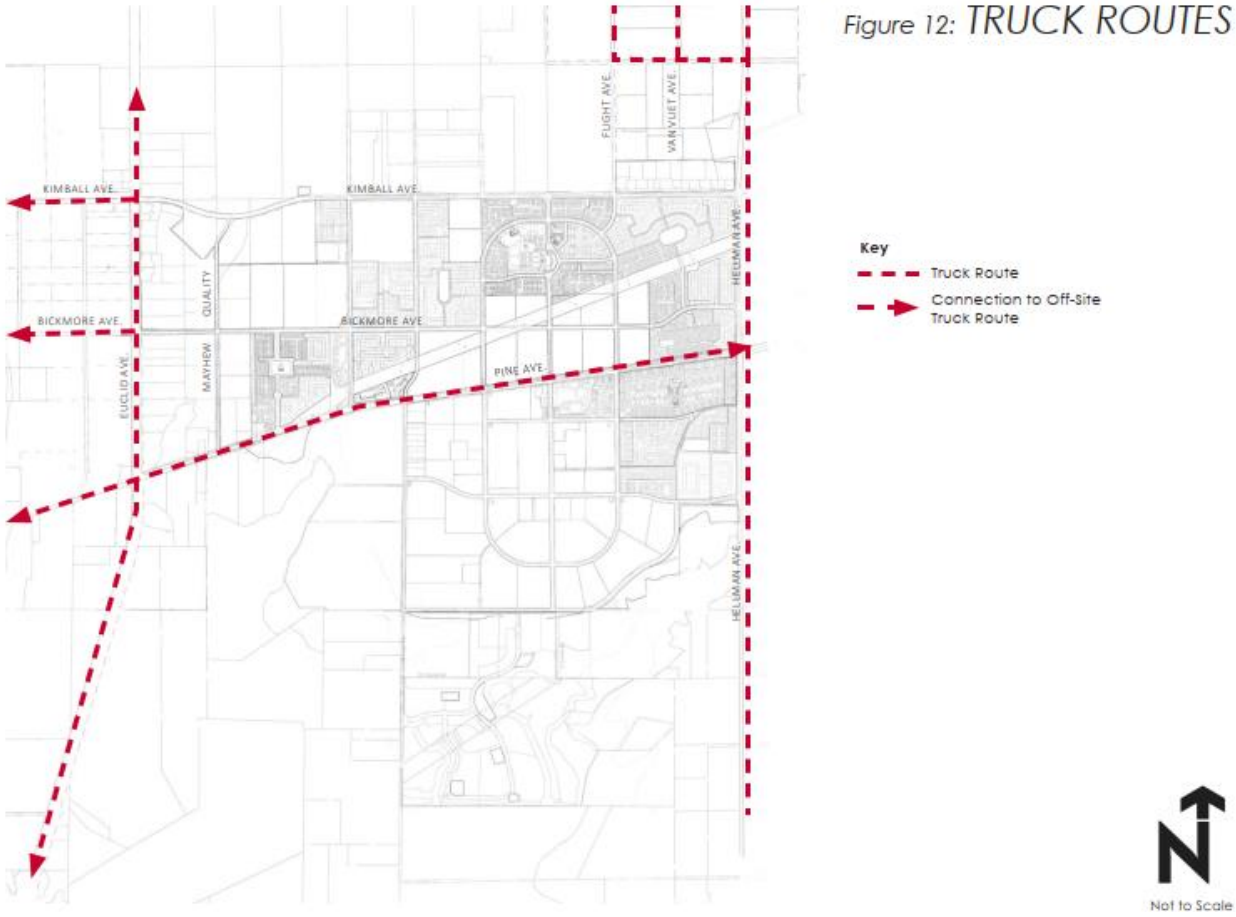


Figure 12 (page 143) – The following exhibit shall replace the existing exhibit.



Section 2. CEQA Findings. The environmental documentation is adequate and conforms with the provisions of CEQA, as the Project is within the scope of The Preserve Chino Sphere of Influence - Subarea 2 Final Environmental Impact Report (SCH# 2000121036) originally certified on March 25, 2003, which adequately describes the proposed activity for the purposes of CEQA, pursuant to CEQA Section 21166 and Section 15162 of the CEQA Guidelines. The Preserve Specific Plan Amendment does not include any land use changes, changes in residential densities, or changes to the maximum number of permitted residential units allowed in The PSP, and would not create any new significant impacts, or impacts that are significantly different than those identified in The Preserve Chino Sphere of Influence – Subarea 2 Final Environmental Impact Report (State Clearinghouse No. 2000121036).

Section 3. Severability. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance, or the application thereof to any person or circumstances, is, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such invalidity or unconstitutionality shall not affect any other provision or application, and to this end the provisions of this ordinance are declared to be severable. The City Council hereby declares that it would have adopted this ordinance and each section, subsection, sentence, clause, phrase, part or portion thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, phrases, parts or portions thereof be declared invalid or unconstitutional.

Section 4. Effective Date. This Ordinance shall be in full force and effect thirty (30) days after its second reading and adoption.

Section 5. Certification. The City Clerk of the City of Chino shall certify to the passage and adoption of this ordinance and shall cause the same to be published in the *Chino Champion*, a newspaper of general circulation, within said city in accordance with the provisions of the Government Code.

PASSED, APPROVED AND ADOPTED THIS 16TH DAY OF JUNE 2026.

By: _____
EUNICE M. ULLOA, MAYOR

ATTEST:

By: _____
NATALIE GONZAGA, CITY CLERK

DRAFT

STATE OF CALIFORNIA)
COUNTY OF SAN BERNARDINO) §
CITY OF CHINO)

I, Natalie Gonzaga, City Clerk of the City of Chino, do hereby certify that the foregoing Ordinance of the City of Chino was duly adopted by said City Council at a regular meeting held on the 20th day of June 2026 by the following vote:

AYES: COUNCILMEMBERS:

NOES: COUNCILMEMBERS:

ABSENT: COUNCILMEMBERS:

By: _____
NATALIE GONZAGA, CITY CLERK

DRAFT