COUNTY of YOLO
DEPARTMENT OF COMMUNITY SERVICES
PLANNING DIVISION
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COUNTY OF YOLO

CEQA ADDENDUM

This Addendum is prepared pursuant to Section 21166 of the California Environmental Quality Act (CEQA) and Section 15164 of the CEQA Guidelines.

PROJECT TITLE: Granite Capay Facility Mining and Reclamation Permit Extension Project (ZF #2023-0034)

PREVIOUSLY CERTIFIED EIR(S): Environmental Impact Report for the Cache Creek Aggregates (R.C. Collet) Long-Term Mining Permit Application, SCH #96012035, certified November 25, 1996 (1996 Granite Capay FEIR).

Final Supplemental Environmental Impact Report to the 1996 Certified Cache Creek Aggregates Long-Term Off-Channel Mining Permit EIR, SCH #2002062034, certified June 27, 2002 (2002 Granite Capay SEIR).

Draft Environmental Impact Report for Cache Creek Area Plan Update to the 1996 Certified Cache Creek Aggregates Long Term Off-Channel Mining EIR, SCH #2017052069, certified December 17, 2019 (2019 Cache Creek Area Plan (CCAP) Update)

PROJECT SUMMARY: The Granite Capay Facility ("Facility") is an active mining operation along Cache Creek in unincorporated Yolo County. The majority of the Facility is comprised of five mining phases, a co-located processing plant, and stockpile storage area. The County originally approved the Granite Capay permit (Yolo County Mining Permit Number ZF#95-078 ["Mining Permit"], State Mine Identification Number 91-57-0014) on November 25, 1996, allowing for off-channel mining on 359 acres over a 30-year period, with reclamation of the site to permanent lakes, habitat, and agricultural uses. A major amendment to the Granite Capay Facility was approved by the County on December 3, 2002, allowing for deeper off-channel mining on three parcels, totaling 312 acres, over a 30-year period with revised phasing. Mining commenced on January 1, 1998, and the Mining Permit is currently set to expire on January 1, 2028, with the final reclamation occurring approximately five years after the expiration date. At the Granite Capay Facility, the permitted, mineable aggregate reserves have been substantially depleted in mining Phase 1A, 1B, and the west cell of Phase 2. The owner and operator, Granite Construction Company ("Granite"), anticipates the Facility would require up to 10 years beyond the current Mining Permit expiration date of January 1, 2028, to complete mining the remaining permitted reserves. On October 20, 2023, Granite submitted an application to extend the Capay Facility Permit by 10 years to align the expiration date with the anticipated life of the remaining permitted reserves.

PROJECT LOCATION: 15560 County Road 87
Esparto, CA 95627
APNs: 048-140-040; 048-220-018; 048-220-016
Approximately 0.1-mile north of the Town of Capay

PUBLIC AGENCY APPROVING PROJECT: County of Yolo

CONTACT PERSON: Charlie Tschudin, Natural Resources Planner, (530) 666-8850, Charlie.Tschudin@yolocounty.gov

NAME OF ENTITY OR AGENCY CARRYING OUT PROJECT: Granite Construction Company

FINDINGS/ACTIONS IN SUPPORT OF CEQA ADDENDUM: Pursuant to Section 15164 of the CEQA Guidelines, the County of Yolo has reviewed two previously certified project-level EIRs that are relevant to the proposed Granite Capay Facility Mining and Reclamation Permit Extension Project (collectively, "FEIRs").

Based on the substantial evidence provided in the attached CEQA Section 15162(a) and analysis the County has determined that some changes or additions are necessary to the previously-certified FEIRs, but none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred.

As directed in the CEQA Guidelines, an addendum need not be circulated for public review but can be attached to the EIR. The County hereby attaches this Addendum, including the attached analysis, to the previously certified FEIRs identified above. The EIRs may be viewed at the following web links:

1996 Draft EIR:
https://www.yolocounty.gov/home/showdocument?id=81022&t=638581263524295031

1996 Final EIR – Responses to Comments:
https://www.yolocounty.gov/home/showdocument?id=80933&t=638569956914551812

2002 Draft Supplemental EIR:
https://www.yolocounty.gov/home/showdocument?id=80929&t=638569956874336870

2002 Final Supplemental EIR – Responses to Comments:
https://www.yolocounty.gov/home/showdocument?id=80931&t=638569956895330326

2019 Updated Draft EIR
https://www.yolocounty.gov/home/showdocument?id=59978

The Yolo County Planning Commission will consider this Addendum and the previously certified FEIRs prior to making a decision on the project.

As discussed in the attached CEQA Addendum Analysis, the reasons for the County's decision not to prepare a subsequent EIR pursuant to Section 15162 are as follows:

- The project does not propose substantial changes that would result in new significant impacts or substantial increase in the severity of previously identified significant impacts, and therefore revisions to the analysis in the prior FEIRs are not required.

- Substantial changes in the circumstances under which the project would be undertaken that would result in new significant impacts or substantial increase in the severity of previously identified significant impacts are not present, and therefore no revisions to the analysis in the prior FEIRs are required.

- There is no new information of substantial importance that was not previously known at the time of the prior FEIRs that shows new significant impacts, substantially more severe significant impacts, previously dismissed mitigation measures or alternatives that are now feasible, or different more effective mitigation measures or alternatives that have emerged or become known are not present.

Therefore, implementation of the proposed project would not require changes to the previously conducted impact analyses.

The attached analysis has been prepared by the County of Yolo in support of this CEQA Addendum.

Further information, including the project file and supporting reports and studies may be reviewed at: County of Yolo Department of Community Services, 292 West Beamer Street, Woodland, CA 95695.

CEQA ADDENDUM ANALYSIS

PROJECT NAME:	Granite Capay Facility Mining and Reclamation Permit Extension Project (ZF #2023-0034)	**DATE:** October 10, 2024
SITE ADDRESS:	15560 County Road 87 Esparto, CA 95627	**APN:** 048-140-040; 048-220-018; 048-220-016
APPLICANT/ PROPERTY OWNER:	Granite Construction Company 4001 Bradshaw Road Sacramento, CA 95827	**ZONING:** Agricultural Intensive, Sand and Gravel overlay (A-N[SG]) and Public Open Space (POS)
	Previously Certified EIRs: 1996 Granite Capay FEIR **SCH #** 2002062034; 2019 Cache Creek Area Plan Update Project DEIR **SCH #** 2017052069; 2002 Granite Capay SEIR **SCH #** 2002062034	
PREPARED BY:	Raney Planning and Management, Inc. 1501 Sports Drive, Suite A Sacramento, CA 95834 (916) 372-6100 Contact: Rod Stinson Vice President/Air Quality Specialist	
PREPARED FOR:	County of Yolo Department of Community Services 292 West Beamer Street Woodland, CA 95695 (530) 666-8775 Contact: Charlie Tschudin Natural Resources Planner (530) 666-8850	
APPENDICES:	Appendix A: ***EMFAC, AERMOD, and HARP 2 RAST***	
Referenced documentation is available for Public Review at: County of Yolo Planning Division 292 West Beamer Street Woodland, CA 95696 Or online at: https://www.yolocounty.org/government/general-government-departments/community- services/planning-division/current-projects		

INTRODUCTION: The applicant, Granite Construction Company ("Granite"), owns and operates two separately permitted sand and gravel mining sites known as the Granite Capay operation (project site) and the Granite Esparto operation. The Granite Capay operation is active, and mining has been ongoing under the current approvals since 1998. Mining at the Granite Esparto operation may not commence until mining is completed at the Granite Capay operation, and therefore the Granite Esparto site remains in agricultural use. The applicant proposes to modify the approvals for

the Granite Capay site to extend the permit expiration date by 10 years. This time extension is consistent with Condition # 5 of the Capay permit, which authorizes the applicant to request extensions to the permit of up to 20 additional years. No other changes to the approved operations are proposed. In doing so, future mining at the Granite Esparto site will be delayed. Should the Granite Esparto site need a time extension on its existing approvals (which are currently set to expire in 2041), it would be processed under a separate permit amendment. The details of this proposal are discussed below.

BACKGROUND: Mining operations in the project area are guided by the Cache Creek Area Plan (CCAP). The CCAP is a specific plan that consists of two separate plans: the Cache Creek Resources Management Plan (CCRMP) and the Off-Channel Mining Plan (OCMP).

The CCRMP is a river management plan that eliminated in-channel commercial mining, established an "improvement program" for implementing on-going projects to improve channel stability, encouraged restoration along the creek banks, and established a framework for future recreation along the Creek. The CCRMP was adopted August 20, 1996 (Board Resolution No. 96-132), underwent a focused update on July 23, 2002 (Board Resolution No. 02-130), and a comprehensive update in 2019 (Board Resolution No. 19-176). The CCRMP is implemented by the Cache Creek Improvement Program (CCIP) and the Cache Creek Area Plan In-Channel Ordinance (In-Channel Ordinance).

The OCMP is an aggregate resource management plan that allows for off-channel mining adjacent to Cache Creek. The OCMP was adopted July 30, 1996 (Board Resolution No. 96-117), and the Yolo County Board of Supervisors certified an associated Environmental Impact Report (1996 OCMP EIR). The 1996 OCMP EIR is a program-level EIR that analyzed environmental impacts associated with off-channel mining operations occurring within the CCAP area. The OCMP provided a planning area boundary, and restricted mining to certain areas within that boundary for a 50-year period, 1997-2046. The OCMP has facilitated the mining of a sufficient supply of aggregate to meet current and future market needs, while greatly increasing the level of environmental protection and monitoring related to such activities. In addition, the OCMP identifies specific goals, objectives, and actions to guide mining activities beyond the State-mandated requirements of the Surface Mining and Reclamation Act of 1975 (SMARA).

Changes to the OCMP, as part of the 2019 CCAP Update, were analyzed in the 2019 CCAP Update EIR (SCH #2017052069), including the extension of the plan horizon year to 2068. The updated OCMP is implemented by the Off-Channel Surface Mining Ordinance (OCSMO) and the Surface Mining Reclamation Ordinance (SMRO).

The Granite Capay operation (ZF#95-078) (State Mine Identification Number 91-57-0014) was originally approved by Yolo County on November 25, 1996, allowing for off-channel mining on 359 acres over a 30-year period (expiration January 1, 2028) and operation of an on-site processing facility, with reclamation of the site to permanent lakes, habitat, and agriculture uses following the completion of mining activities. The Yolo County Board of Supervisors certified a project-level EIR in support of this approval (1996 Granite Capay EIR). Subsequently, the County approved a major amendment to the Granite Capay approval on December 3, 2002, allowing for deeper off-channel mining on 312 acres on portions of three parcels (APNs 048-140-040, 048-220-016, and 048-220- 018) over the 30-year Mining Permit term with revised phasing (ZF#2001-096). The Board of Supervisors certified a Supplemental EIR (SEIR) in support of this approval (2002 Granite Capay SEIR). A maximum of 32.26 million tons can be mined and a maximum of 30.0 million tons can be sold from the Granite Capay operation over the term of the Mining Permit.

The entire site isdesignated Agriculture (AG) in the Yolo County General Plan (see Figure 2). Two of the three parcels, APN 048-140-040 and 048-220-018, are zoned Agricultural Intensive with a Sand and Gravel Overlay (A-N [SG-O]), and the third parcel, APN 048-220-016, is zoned Agricultural Intensive with a Sand and Gravel Overlay (A-N [SG-O]) and Public Open Space (POS).

Pursuant to Section 10.4-405 of the OCSMO, Granite is allowed to exceed the maximum annual tons sold by up to 20 percent in any given year to serve market conditions, subject to maintaining a running 10-year average that does not exceed the otherwise allowed amount. Approval of the 2010 Granite Esparto Project authorized the annual production allowances to be combined between the Capay operation and Esparto operation. Accordingly, in any given year tons sold from either the Capay operation or Esparto operation may be as high as 2,244,000 tons, provided the running 10-year average does not exceed 18,700,000 tons.

ENVIRONMENTAL SETTING: The project site is located in western Yolo County, north of Cache Creek between County Road 85 and County Road 87. The Granite Capay facility is 0.1-mile north of the Town of Capay and access to the facility is provided off of County Road 87, 1.2 miles north of the Town of Esparto (see Figure 1).

The Granite Capay site contains a previously approved 359-acre mining area (see Figure 2) for which mining has been ongoing since 1998. The Capay facility is an active mining operation, the majority of which is comprised of five mining phases, a co-located processing plant and stockpile storage area.

The lands surrounding the site are generally agricultural lands and scattered rural residential dwellings. Cache Creek is located to the south of the site and County Road 87 is to the west of the site. The unincorporated towns of Esparto and Capay are located on the southern side of Cache Creek, with residential structures in the project vicinity, on the southern side of the creek.

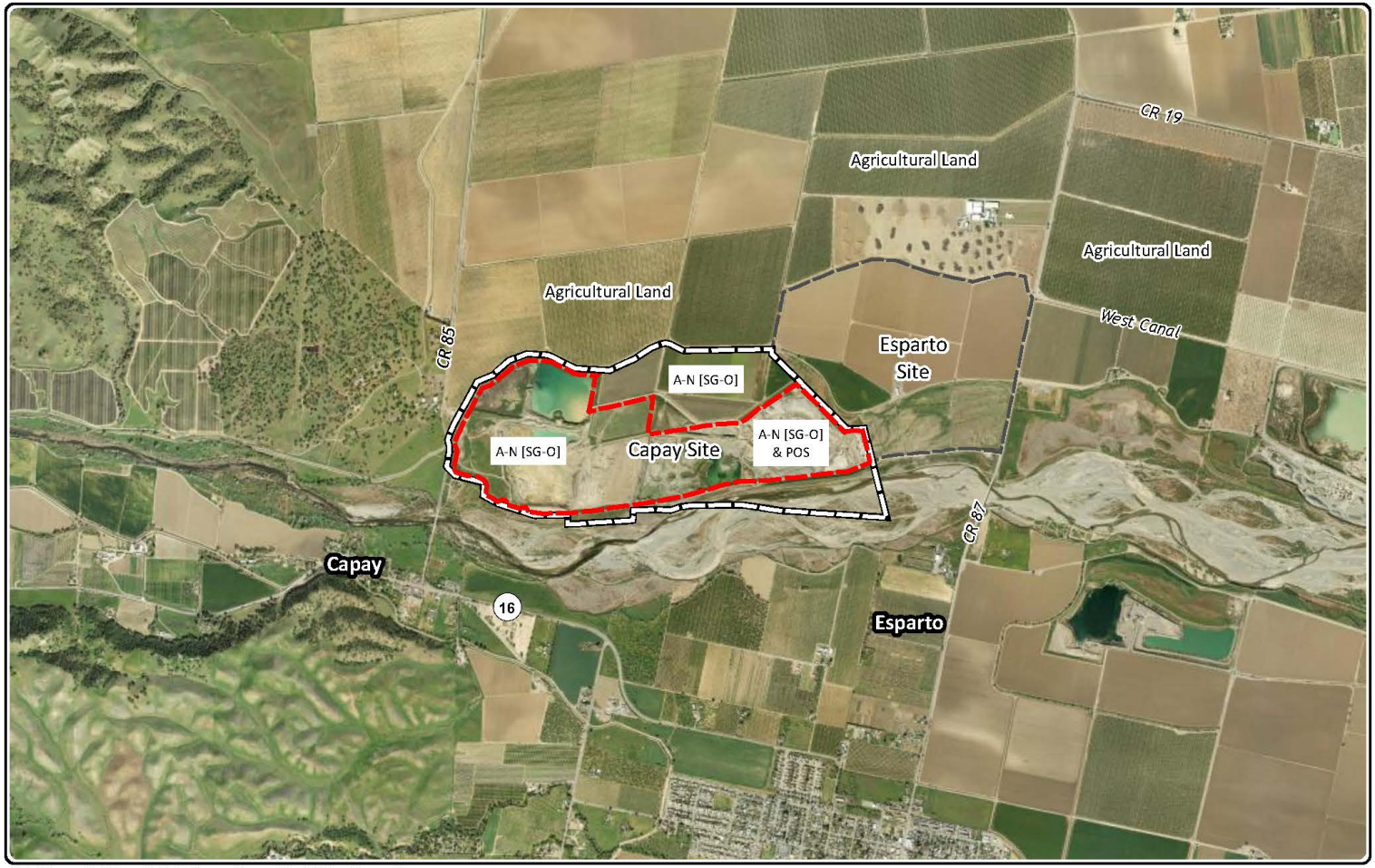
PROJECT DESCRIPTION: The proposed project would allow the Granite Capay facility's existing and ongoing operations to continue by extending the Mining Permit expiration date. Granite anticipates that the Granite Capay Facility would require up to 10 years beyond the current Mining Permit expiration date of January 1, 2028, to complete mining of the permitted reserves, which would account for potential fluctuations in market demand.

Specifically, the applicant seeks the following modifications of the text in the Mining Permit's Condition of Approval No. 5 to reflect the time extension for mining, which would require approval of an amendment to the Granite Capay Mining Permit (ZF #2001-096):

> COA #5: The mining Permit, including operation of the processing plant, is approved for a period not to exceed ~~thirty~~ forty years, starting from the date that mining begins. ~~The operator shall certify in wring that mining has commenced. Written notification shall be received by the County within three days of mining commencement. If notification has not been received by the County within one year after permit approval, then this Mining permit shall be null and void.~~
>
> If permitted aggregate reserves are still available at the end of the approved ~~thirty~~ forty-year period, the operator may apply for Mining Permit approval to extend mining beyond the ~~30~~ 40-year limit described above. The extension may not exceed an additional period of ~~twenty~~ ten years and shall be subject to appropriate environmental review.

Figure 1
Regional Vicinity Map

Figure 2
Site Boundaries Map



The proposed project would not modify the existing production levels (both annual and cumulative), hours of operation, materials to be mined, equipment types, mining methods, or number of employees at the Capay Facility, or otherwise expand or intensify the existing permitted use. Changes to the existing approved Reclamation Plan are not being requested or required.

REQUIRED PERMITS AND APPROVALS: The following County approvals are required:

- Approval of an amendment to a previously approved surface mining permit.

Rationale for Preparation of the Addendum
In determining whether an addendum is the appropriate document to analyze the modifications to the project and its approval, CEQA Guidelines Section 15164 (Addendum to an EIR or Mitigated Negative Declaration) states:

(a) The lead agency or a responsible agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred.

(b) An addendum to an adopted negative declaration may be prepared if only minor technical changes or additions are necessary or none of the conditions described in Section 15162 calling for the preparation of a subsequent EIR or negative declaration have occurred.

(c) An addendum need not be circulated for public review but can be included in or attached to the final EIR or adopted negative declaration.

(d) The decision-making body shall consider the addendum with the final EIR or adopted negative declaration prior to making a decision on the project.

(e) A brief explanation of the decision not to prepare a subsequent EIR pursuant to Section 15162 should be included in an addendum to an EIR, the lead agency's required findings on the project, or elsewhere in the record. The explanation must be supported by substantial evidence.

Under Public Resources Code Section 21166 and State CEQA Guidelines Sections 15162 and 15163, a subsequent or supplemental EIR shall be prepared if any of the following criteria are met:

(a) When an EIR has been certified or negative declaration adopted for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following:

(1) Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

(2) Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

(3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any of the following:

This document provides substantial evidence demonstrating that none of the conditions of CEQA Guidelines Sections 15162 or 15163 would be met by the modified project as proposed. Thus, preparation of an addendum would provide the appropriate level of environmental review.

Use of a Prior Environmental Document

When considering a proposed change to a previously approved project, a lead agency has the responsibility of initially deciding whether an original environmental document retains "some relevance" to the ongoing decision-making process. If the original document remains relevant, the lead agency moves on to determine whether the document is adequate for CEQA purposes.

The applicant proposes to modify the approvals for the Granite Capay site to extend the Facility's Permit by 10 years to align the expiration date with the anticipated life of the remaining permitted reserves.

Considering the nature of the underlying project, Yolo County has determined that the 1996 EIR and 2002 SEIR certified for the Granite Capay Permit Extension Project remain relevant. Based on the analysis set forth below, moreover, the County has also concluded that the proposed project change will not trigger the need for either a subsequent EIR or a supplement to the previously adopted 1996 EIR or 2002 SEIR. The Granite Capay Permit Extension Project would be subject to ongoing Conditions of Approval, annual monitoring and inspections, and programmatic reviews to ensure the Facility is regulated by current standards. For these reasons, the County has prepared this addendum to the 1996 EIR and 2002 SEIR to evaluate the proposed project.

Discussion

The following sections provide information related to the proposed project's impacts on Air Quality, Biological Resources, Hydrology and Water Quality, and Transportation relative to those previously identified and addressed in the 1996 EIR and 2002 SEIR. In addition, all other remaining environmental resource areas will be discussed at the end of this section.

Air Quality

The project site is located in the Sacramento Valley Air Basin (SVAB), and under the jurisdiction of the Yolo-Solano Air Quality Management District (YSAQMD). The SVAB is designated nonattainment for the federal particulate matter 2.5 microns in diameter ($PM_{2.5}$) and the State particulate matter 10 microns in diameter (PM_{10}) standards, as well as for both the federal and State ozone standards. Potential impacts related to Air Quality were addressed in Chapter 4.7 and Chapter 4.2 of the 1996 EIR and 2002 SEIR, respectively. As discussed in the 1996 EIR, the proposed project would comply with Mitigation Measures 4.7-1a and 4.7-2a of the OCMP EIR, which state that a performance standard of the OCMP would require, respectively, that conveyors be used for transport of raw materials wherever practical and economical (Section 10-4.407 of the OCMO) and that internal combustion engine driven equipment and vehicle be kept tuned and limit idling time (Section 10-4.415 of the OCSMO). Although implementation of these standards would reduce ozone precursors and PM_{10} emissions, the impact was determined in the 1996 EIR to remain significant and unavoidable. A change was not indicated in the 2002 EIR.

In addition, the 1996 EIR determined that the carbon monoxide (CO) emissions for the project were less than significant, and a change was not indicated in the 2002 SEIR. Toxic air contaminant (TAC) emissions generated from the project was determined to have a less than significant impact in the 1996 EIR, as well as in the 2002 SEIR, due to compliance with AB 2588, which determines whether

a facility will release TAC emissions from stationary sources that would result in a health risk to surrounding residents. Additionally, both the 1996 EIR and the 2002 SEIR determined that because the project site is located at distances greater than 1,000 feet from the nearest residence, the project would not create objectionable odors that could adversely affect nearby sensitive receptors and the impact was less than significant.

The proposed project would extend the approval of the Granite Capay mining permit for an additional 10 years beyond the current Mining Permit expiration date of January 1, 2028, to complete the mining of the permitted reserves. The proposed project would not increase the total area, depth, or aggregate tonnage produced, and annual production would remain within the existing limits. In addition, the project would continue to be subject to the existing Conditions of Approval, specifically, conditions #43 through #45.11, which all relate to air quality. Furthermore, the proposed project would not introduce new vehicles to the project site beyond the amount considered in the FEIRs and would not result in new mobile emissions in excess of what has already been considered for the site. As such, the proposed project would not result in any new significant impacts or substantially more severe impacts related to air quality emissions as compared to the 1996 EIR and 2002 SEIR. In the conditions described below, the italicized text denotes language from the COA, while the accompanying plain text describes the COA in detail.

Conditions of Approval #43 through #45.11

43. Implement the performance standards included in Section 10-4.407 of the Off-Channel Mining Ordinance (Mitigation Measure 4.7-1a).
Section 10-4.407: Wherever practical and economically feasible, portable or movable conveyor systems shall be used to transport raw materials and overburden.

44. Implement the performance standards included in Section 10-4.407 and Section 10-4.415 of the Off-Channel Mining Ordinance (Mitigation Measure 4.7-2a).
Section 10-4.415: All internal combustion engine driven equipment and vehicles shall be kept tuned according to the manufacturer's specifications and property maintained to minimize the leakage of oils and fuel. No vehicles or equipment shall be left idling for a period of longer than is required by law, recommended by the Air district, or ten (10) minutes, whichever is shorter.
Fueling and maintenance activities of heavy equipment (except draglines and floating suction dredges) are prohibited within one hundred (100) feet of open bodies of water during mining and reclamation. All Storm Water Pollution Prevention Plans shall include provisions for releases of fuels during fueling activities for draglines and floating suction dredges.

45. Implement Mitigation Measures 4.7-1a and 4.7-2a of the Final EIR for the proposed project (Mitigation Measure 4.7-3a).

See Conditions #43 and #44

45.2 The asphalt plant constructed and operated at the site shall be a counterflow or parallel drum mix plant that includes all best available control technologies required by the Yolo-Solano Air Quality Management District. (Mitigation Measures 4.4-2; 2002 SEIR). Should

asphalt plant equipment become available in the future that would further reduce emissions, and is acceptable to the Yolo-Solano Air Quality Management District, the operator may utilize that equipment.

45.4 In addition to compliance with Section 10-4.414 (Dust Control), the applicant shall implement the following measures to further reduce PM10 emissions generated from Revised Project operations:

- Water all dust sources at the project site as necessary;
- Wash loose soil off transport trucks prior to the trucks leaving the project site;
- Limit on-site vehicle speed to less than 15 miles per hour. (Mitigation Measure 4.2-3)

45.11 Whenever possible and feasible, the operator shall use cleaner vehicles and equipment and/or shall retrofit existing vehicles and equipment with diesel particulate filters (DPFs). Pursuant to Section 10-4.414.1 (Energy) of the Mining Ordinance, wherever practical and feasible, aggregate facilities shall use clean electric energy from the grid or install alternative on-site electricity generation systems to replace diesel equipment and reduce criteria pollutant emissions.

Health Risk Assessment

The Granite Esparto EIR analyzed the combined tonnage allotment between the Capay operation and Esparto operation to allow for an accelerated pace of mining at each of the sites. The EIR included a screening-level Health Risk Assessment (HRA), which used an older dispersion model Tier 1 equipment emission factors, and other highly conservative assumptions which cover a 70-year exposure period. Even with those conservative assumptions, the HRA results were under applicable thresholds. Out of an abundance of caution, an additional HRA was performed to consider possible health risks created during the proposed project extension period, which overlaps with the 70-year exposure period of the original HRA. The findings of the additional HRA are presented below.

The California Air Resources Board (CARB) has identified diesel particulate matter (DPM) from diesel-fueled engines as a TAC; thus, high volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM. Health risks associated with TACs are a function of both the concentration of emissions and the duration of exposure, where the higher the concentration and/or the longer the period of time that a sensitive receptor is exposed to pollutant concentrations would correlate to a higher health risk.

Potential impacts associated with increased health risks resulting from project generated DPM emissions were analyzed in the 2002 SEIR. As noted therein, based on the health risk assessment (HRA) prepared for the project, the SEIR determined that the project would not result in health risks in excess of the applicable thresholds of significance. As such, impacts associated with such were determined to be less than significant in the 2002 SEIR.

As discussed above, the proposed project would extend the current Granite Capay mining permit approval for 10 years. The mining permit is currently set to expire on January 1, 2028, with the final reclamation occurring approximately five years after the expiration date. The proposed project would not increase the total area, depth, or aggregate tonnage produced, nor change the approved final reclamation land uses. As a result, on-site mining activities or off-site material hauling would

not increase relative to what was analyzed in the 2002 SEIR. Nonetheless, in order to ascertain the potential impacts resulting from an additional 10 years of material hauling along the designated hauling route associated with the Granite Capay facility, an additional HRA was conducted for the proposed mining permit extension (Appendix A).

DPM is considered a subset of $PM_{2.5}$ emissions. Thus, the estimated concentration of $PM_{2.5}$ was used as a proxy to represent emissions of DPM. Emissions rates for the heavy-duty diesel-powered haul trucks were obtained through the CARB's mobile source emissions inventory (EMFAC) 2021 database. Once the emissions of DPM were determined, the concentration of DPM at nearby receptors was then estimated using the American Meteorological Society/Environmental Protection Agency (AMS/EPA) Regulatory Model (AERMOD). The results of AERMOD are presented in Figure 3. As presented therein, the maximally exposed receptor, depicted by a white "X," is located south of the project site.

The associated cancer risk and non-cancer hazard index were calculated using the CARB's Hotspot Analysis Reporting Program Version 2 (HARP 2) Risk Assessment Standalone Tool (RAST), which calculates the cancer and non-cancer health impacts using the risk assessment guidelines of the 2015 Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual for Preparation of Health Risk Assessments.[1] The exposure period in HARP 2 RAST was set to a 10-year exposure period (i.e., the length of the proposed permit extension). The modeling was performed in accordance with the USEPA's User's Guide for the AMS/EPA Regulatory Model – AERMOD[2] and the 2015 OEHHA Guidance Manual.

Based on the foregoing methodology, the cancer risk and non-cancer hazard indices were estimated and are presented in Table 1.

Table 1
Maximum Cancer Risk and Hazard Index Associated with Heavy-Duty Diesel Trucks

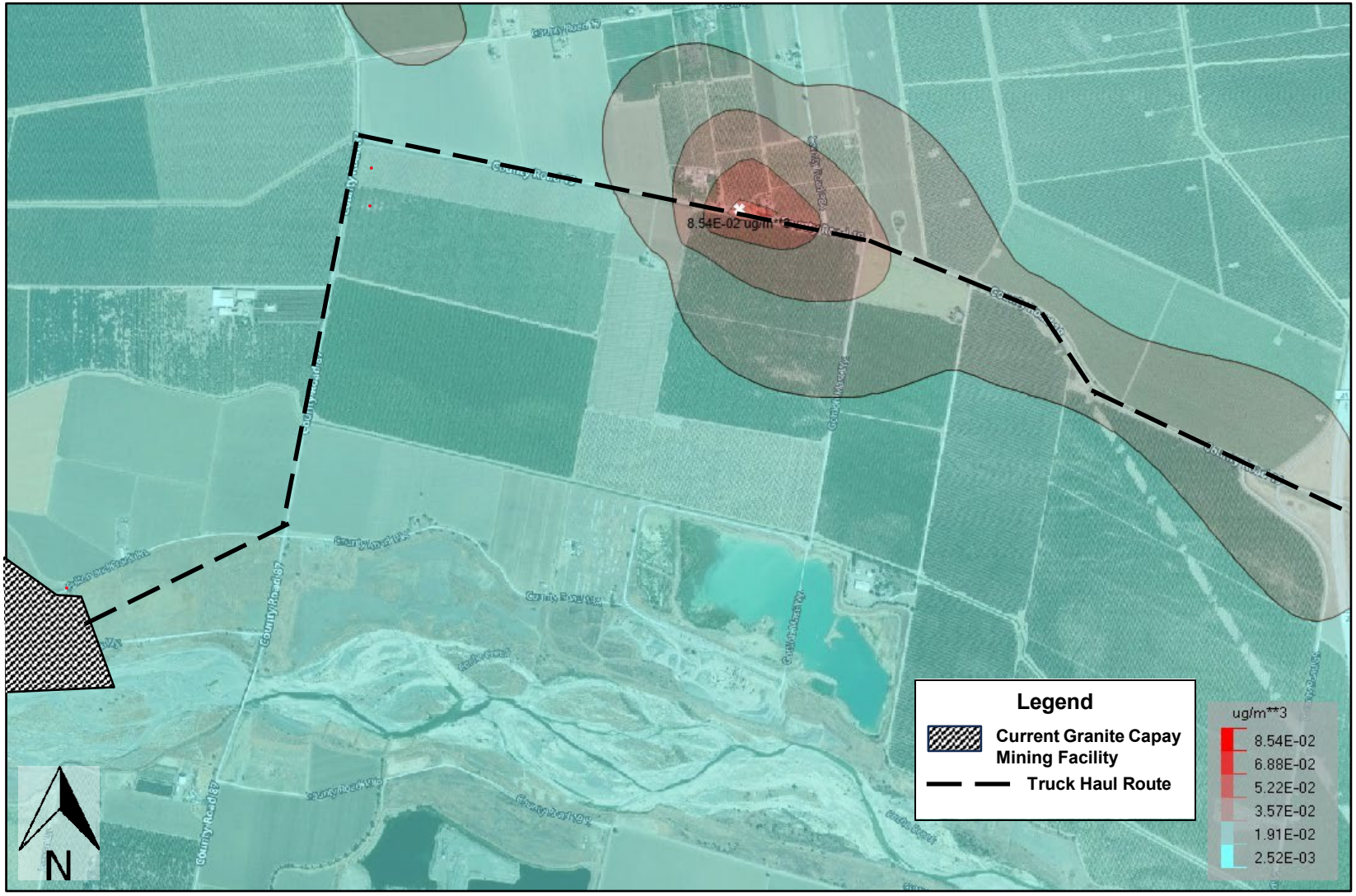
	Cancer Risk (per million persons)	Acute Hazard Index	Chronic Hazard Index
At Maximally Exposed Receptor	3.30	0.00	0.001
Thresholds of Significance	*10*	*1.0*	*1.0*
Exceed Thresholds?	**NO**	**NO**	**NO**

Sources: EMFAC, AERMOD, and HARP 2 RAST, February 2024 (see Appendix A).

As shown in Table 1, an additional 10 years of material hauling along the designated hauling route associated with the Granite Capay facility would not result in cancer risk and hazard index above the applicable YSAQMD thresholds of significance. Consequently, the proposed mining permit extension would not result in any new health risk impacts or substantially more severe health risk impacts related to the exposure of sensitive receptors to DPM relative to what was analyzed in the

[1] Office of Environmental Health Hazard Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments* [pg. 8-18]. February 2015.
[2] U.S. Environmental Protection Agency. *User's Guide for the AMS/EPA Regulatory Model (AERMOD)*. December 2016.

Figure 3
AERMOD Results



Source: AERMOD, February 2024 (see Appendix A).

2002 EIR. The proposed project would extend the approval of the Granite Capay mining permit for an additional 10 years beyond the current Mining Permit expiration date of January 1, 2028, to complete the mining of the permitted reserves. The proposed project would not increase the intensity of mining and reclamation activities relative to the assumptions used in the screening HRA. Based on the findings presented above, the additional HRA findings are consistent with the previous HRA and there will be no new or significant health risks during the additional 10 years beyond the current mining permit expiration date.

Greenhouse Gas Emissions

Greenhouse gas (GHG) emissions were not addressed in the 1996 EIR and 2002 SEIR. This does not trigger the need for a subsequent or supplemental EIR because potential impacts related to GHG emissions do not constitute "new information of substantial importance" as defined by CEQA Guidelines section 15162. GHG emissions were known as potential environmental issues before 1996, when the original Granite Capay EIR was certified[3]. In *Citizens for Responsible Equitable Environmental Development (CREED) v. City of San Diego* (2011) 196 Cal.App.4th 515, the Court of Appeal, Fourth Appellate District, concluded that the issue of GHG emissions and climate change could have been raised at the time that the original EIR was prepared in 1994. In the *CREED* case, the court noted that scientists and the government have been aware that GHG emissions could trigger climatic changes as early as the 1970's, or before. For this reason, the lead agency was not required to prepare a Supplemental or Subsequent EIR on impacts that could have been analyzed in the original EIR.

The Court of Appeal concluded by stating that "[t]he effect of GHG emissions on climate could have been raised in 1994 when the City considered the FEIR." In *Concerned Dublin Citizens v. City of Dublin* (2013) 214 Cal.App.4th 1301, the Court of Appeal for the Fourth Appellate District adopted this reasoning as its own, reaching the same conclusion on similar facts.

Again, in *Citizens Against Airport Pollution v. City of San Jose* (2014) 227 Cal.App.4th 788, the Court of Appeal, Sixth Appellate District, considered whether the lack of GHG and climate change analysis in a 1997 EIR and 2003 SEIR precluded adoption of an addendum. The court relied on previous case law to conclude that the potential environmental impact of GHG emissions was known or could have been known at the time of certification of the 1997 EIR and 2003 SEIR. The court thus upheld the eighth addendum that the City of San Jose had prepared after having completed the 1997 and 2003 EIRs.

The conclusions that were made in the *CREED*, *Concerned Dublin Citizens*, and *Citizens Against Airport Pollution* cases can also be made regarding the 1996 EIR and 2002 SEIR. Under the law, as set forth in these cases, the County need not undertake the preparation of a Supplemental or Subsequent EIR based solely on issues relating to climate change that might not have been analyzed in the original EIR. Thus, the overall creation of GHG emissions from the proposed 10-year permit extension of the Granite Capay Mining permit cannot on its own constitute new information of substantial importance.

The changes to the project result in generally the same level of GHG emissions compared to the current activities at the project site. Standard industry practice is to present GHG emissions on an annual basis, in metric tons of carbon dioxide equivalent units per year ($MTCO_2e$/yr). Furthermore, the project would continue to be subject to the current Conditions of Approval, specifically,

[3] *See Concerned Dublin Citizens v. City of Dublin* (2013) 214 Cal. App 4th 1301. *See also*, *Citizens of Responsible Equitable Development v. City of San Diego* (2011) 196 Cal. App 4th 515.

conditions #43 through #45.11, as well as the Cache Creek Area Plan (CCAP) updates to ensure the site is maintained to current standards. As such, the proposed project would not result in any new significant impacts or substantially more severe impacts related to GHG emissions and global climate change as compared to the 1996 EIR and 2002 SEIR. If the 10-year extension is not approved, then the applicant will conclude its operations at the Granite Capay site and begin operations at the Granite Esparto site, which will have similar air quality and GHG impacts.

Biological Resources

Potential impacts related to biological resources were addressed in Chapter 4.6 of the 1996 EIR and Chapter 4.3 of the 2002 SEIR. As discussed within the 1996 EIR, all impacts related to biological resources were determined to be less than significant, or less than significant with mitigation, with the exception of impacts on sensitive natural communities and impacts related to the disturbance to wildlife habitat and the disruption of movement corridors, which were determined to be significant and unavoidable, even with the mitigation measures prescribed within the 1996 EIR. According to the 2002 SEIR, revisions to the Reclamation Plan were determined to have a significant impact on biological resources. However, with implementation of the mitigation measures included in the 2002 SEIR, all additional impacts were determined to be less than significant.

The Granite Capay operation is active, and mining has been ongoing under the current approvals since 1998. The site thus does not serve as a substantial wildlife corridor or wildlife nursery site. Given that the Capay site is subject to ongoing disturbance and the project would not expand operations beyond the originally-approved footprint, the site was not resurveyed for wildlife species for this analysis. Substantial changes to the vegetation communities have not occurred since the original environmental analysis, and the project area is still largely comprised of ruderal and agricultural communities. Cache Creek is a sensitive natural community which is located within the project area. However, the existing Conditions of Approval require certified biologists to conduct pre-disturbance surveys prior to commencement of mining activities for special-status species prior to new areas of mining disturbance.

A search of the California Natural Diversity Database (CNDDB) was conducted in February and September 2024 for the project site quadrangle and the eight quadrangles surrounding the project area to identify any species not previously addressed in the FEIRs. In addition to the species identified in the previous FEIRs, California tiger salamander, and Crotch's bumblebee were identified within the Esparto quadrangle. The last sighting of this species was May 28, 2005, in Capay Hills 6.5 miles northwest of Esparto. According to the CNDDB California tiger salamander inhabits cismontane woodland, meadow and seep, riparian woodland, valley and foothill grassland, vernal pools, and wetlands. Crotch's bumblebee was identified in August of 2003 approximately 10 miles northwest of Esparto during a biological sample of ten sunflower farms. The CNDDB lists specific plant species as the microhabitat for crotch's bumblebee, including species from the genera Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum. Mitigation Measures 4.6.2 of the OCMP EIR addresses the need to propose mitigations to reduce potential impacts to species of concern, special communities, and their significant habitat. Although the Capay site is located in close proximity to Cache Creek, which is considered a sensitive community, as well as adjoining agricultural fields, as stated previously the project would be subject to the existing Conditions of Approval which require a survey for special-status species prior to new areas of mining disturbance. Furthermore, special-status plants are not expected to occur due to a lack of suitable habitat and/or suitable soil types, as well as the high degree of disturbance and intensive agricultural management that occurs within the project area. In addition, given that the proposed project would not result in any changes to the existing mining activities and would continue to comply with existing Conditions of Approval, the requirements included in Mitigation Measure 4.3-3 from the 2002 SEIR would continue to be met.

As noted above, mining activity at the Capay site has been ongoing since 1998 and the site is heavily disturbed. Pre-cdisturbance special-status species surveys were required prior to commencement for mining activities and, thus, the project would be subject to the existing Conditions of Approval which r equire a survey for special-status species prior to new areas of mining disturbance. The proposed project would not include any changes that would result in new significant impacts or a substantial increase in the severity of previously identified significant impacts. Additionally, the proposed project would not have an increased potential to result in any adverse effects to wetlands or riparian habitat on the Capay site.

Because the proposed project would not include any changes to the prior approved project daily operations or result in any expanded areas of disturbance beyond what has already been approved, the conclusions presented in the prior 1996 EIR and 2002 EIR would not be substantially changed in relation to biological resources. Additionally, the proposed project would be subject to the same reclamation requirements as identified in the Reclamation Plan. As such, the proposed project would not result in any new or more severe significant impacts related to biological resources. If the 10-year extension is not approved, then the applicant will conclude its operations at the Granite Capay site and begin operations at the Granite Esparto site, which will have similar impacts to biological resources.

Conditions of Approval #40 through #42.4

40. The reclamation plan shall be revised to include specific provisions to ensure compliance with the USFWS "General Compensation Guidelines for the Valley Elderberry Longhorn Beetle." This shall include measures to: protect all elderberry shrubs to be retained; transplanting shrubs that cannot be avoided; planting replacement elderberry seedlings and associated riparian vegetation at appropriate ratios; and defining short and long-term maintenance, monitoring, and protection methods for the designated mitigation areas. The Reclamation Plan and limits of grading shall be revised to provide a 100-foot setback from the newly located elderberry shrub on the site to protect the potential valley elderberry longhorn beetle habitat this plant provides, or if maintenance of this setback is not feasible, the USFWS shall be consulted and an adequate mitigation plan prepared that meets with their approval. If avoidance is not possible, a copy of the approved mitigation plan shall be provided to the County prior to issuance of the grading permit for the Revised Project. (Mitigation Measure 4.3-3; 2002 SEIR)

40.5 A qualified biologist shall conduct a pre-construction raptor survey prior to commencement of mining in areas not previously surveyed to determine the presence or absence of active raptor nests which could be disturbed or lost as a result of mining activities. Elements of the survey and subsequent construction restrictions shall include the following:

a. Conduct surveys within 30 days prior of habitat modifications if proposed during the breeding season for tree nesting raptors. Survey for burrowing owls prior to their establishing territories (December 1 through January 31) and during the peak of the breeding season (April 15 through July 15) to determine their presence and nest sites. The survey area will include a 250-foot buffer around the area scheduled for disturbance.

b. If an active raptor nest is observed, consult with CDFG to determine the appropriate buffer distance for allowable mining activities during the nesting period. Delineate this buffer with flagging or 4-foot-tall, colored, plastic fencing. CDFG (1995a) suggests that nesting burrowing owls have a nest buffer of 250 feet and non-breeding owls a burrow buffer of 160 feet.

c. The time period for avoidance during the nesting season may be adjusted if a qualified biologist approved by CDFG verifies through non-invasive methods that either: (1) the birds have not begun egg-laying or incubation; or (2) the juveniles from the occupied burrows have fledged and are capable of independent survival.

d. If the destruction of occupied burrowing owl burrows is unavoidable, CDFG (1995a) suggests enhancing existing suitable burrows (enlarging or cleaning of debris) or creating new burrows at a ratio of 2:1, on areas that will not be distributed, or on reclaimed lands. If any owls must be moved from the disturbance area, the preferred method is passive relocation, rather than trapping (Mitigation Measure 4.6-7a).

41. Implement the performance standard included in Sections 10-4.418, 10-4.433, and 10-4.440 of the County Off-Channel Mining Ordinance and Sections 10-5.515 and 10-5.523 of the County Surface Mining Reclamation Ordinance to prevent the inadvertent take of bank swallows (Mitigation Measure 4.6-6a).

42. Modifications to wetlands shall be coordinated with the U.S. Army Corps and California Department of Fish and Game. If required by jurisdictional agencies, appropriate authorization to modify jurisdictional habitat shall be obtained prior to grading or other modifications. The operator shall comply with all terms of any such authorization. The operator shall comply with all terms of any such authorization (Mitigation Measure 4.6- 6a).

42.2 Exclusionary fencing shall be placed around the perimeter of the mature oaks,elderberry shrubs,and the north and east edges of the remnant riparian forest to be retained prior to any ground disturbance within 100 feet of the dripline of these features. (Mitigation Measure 4.3-1; 2002 SEIR)

42.4 A qualified bat specialist shall be retained to determine bat use of the existing structures onthe site, and a mitigation plan shall be prepared in consultation with the CDFG. At minimum, the plan shall serve to prevent entrapment and death of bats within the structures during demolition or relocation. (Mitigation Measure 4.3-4; 2002 SEIR)

Hydrology and Water Quality

Potential impacts related to hydrology and water quality were addressed in Chapter 4.4 and Chapter 4.6 of the 1996 EIR and 2002 SEIR, respectively. As discussed within the 1996 EIR, all impacts related to hydrology and water quality were determined to be less than significant, or less than significant with mitigation. Similarly, while the revisions to the Reclamation Plan were determined to have a significant impact on hydrology within the 2002 SEIR, with implementation of the mitigation measures included in the 2002 SEIR, all additional impacts were determined to be less than significant.
The proposed project would allow Granite's existing and ongoing operations to continue by extending the Mining Permit expiration date. The proposed project would not modify the existing production levels, hours of operation, materials to be mined, equipment types or mining methods at the Capay facility.

Cache Creek, located adjacent to the mining site, has naturally migrated towards the site over time. With the proposed 10-year extension to the mining permit, the potential exists for Cache Creek to encroach into the shifting mining site creek buffer areas. This change is a change in the circumstances under which the project is undertaken. However, these changed circumstances are not anticipated to lead to new or more severe significant environmental effects. To ensure that impacts related to the migration of Cache Creek do not occur, the project applicant is currently, and should continue to be required to comply with the minimum setback standards in Section 10-4.429(e) of the OCSMO, which requires that proposed off-channel excavations located within the stream way influence zone be set back a minimum of seven hundred (700) feet from the existing channel bank, unless it is demonstrated that a smaller distance will not adversely affect channel stability. Under no circumstances should off-channel excavations be located within 200 feet of the existing channel bank. The natural migration of Cache Creek in the vicinity of the mining site is addressed in Section 10-4.429 of the OCSMO which requires setback of mining areas fron the existing channel bank, ongoing monitoring, and remedial actions exemplified below:

- The two hundred (200) foot setback area does not include portions of the historically active channel.
- The two hundred (200) foot setback area does not include formerly minded lands separated from the active channel by levees or in mined areas less than two hundred (200) feet wide (measured perpendicular to the active channel).
- Acceptable channel hydraulic conditions (based on existing or site-specific hydraulic models) for the Cache Creek channel adjacent to the site and extending not less than one thousand (1,000) feet upstream of the site.
- Acceptable level of erosion potential of the channel bank adjacent to the site based on predicted stream flow velocity and shear stress on bank materials during a 100- year flow and historical patterns of erosion.
- Acceptable level of stability of the slopes separating the mining area from the creek channel based on an analytical slope stability analysis in conformance with the Sections 10-4.426 and 10-5.507 of this title that includes evaluation of stability conditions during 100-year peak flows within the channel.
- Appropriate bank stabilization designs, if needed, consistent with channel design recommendations of the Cache Creek Resource Management Plan or approved by the Technical Advisory Committee.
- The condition of flood protection structures and the integrity of the land within the approved setback zone separating the mining areas and the channel is currently inspected annually by a Registered Civil Engineer and reported to the Director. The annual report currently includes recommendations for remedial action for identified erosion problems (See also Reclamation Ordinance Section 10-5.506)
- Approval of any off-channel mining project located within seven hundred (700) feet of the existing channel bank is required to be contingent upon an enforceable agreement which requires the projects operator to participate in the completion of identified channel improvement projects along the frontage of their property, consistent with the CCRMP and CCIP, including implementation of the Channel Form Template. The agreement requires that the operator provide a

bond or other financial instrument for maintenance during the mining and reclamation period of any bank stabilization features required during the mining and reclamation period of any bank stabilization features required of the mining project. the agreement requires that a deed restriction be placed on the underlying property which requires maintenance of the stream bank.

The project mine design complies with the OCSMO requirements and multiple bank stabilization projects have been implemented to satisfy the project's COA. The OCSMO requirements ensure mining operations maintain sufficient distance from the existing channel bank. In addition, the project would be subject to the Conditions of Approval, specifically, conditions #25 through #36.6, as they pertain to Hydrology and Water Quality. Compliance with the hydrology requirements of the OCSMO and COA have been have been documented during annual compliance inspections, periodic compliance review, and annual reporting submitted by Granite. Therefore, the proposed Granite Capay Mining permit extension would not have a significant impact regarding the migration of the adjacent creek. As such, the proposed project would not result in any new or more severe significant impacts related to hydrology and water quality. Note that if an alternative to the 10-year extension would be required, mining activities at the Granite Esparto site (the proposed alternative site), would have similar Hydrology and Water Quality impacts.

Conditions of Approval #25 through #36.6

25. The applicant shall complete the proposed bank modifications as presented in the approved reclamation plan. The bank stabilization activities shall conform to all applicable provisions of the Cache Creek Plan, Cache Creek Improvements Program, the Regional Water Quality Control Board 401 Certification (including the Mercury Protocol). Additionally, the applicant shall obtain a new or amended Flood Hazard Development Permit from the Yolo County Planning and Public Works Director following review of the stabilization plan by the Cache Creek Technical Advisory Committee. (Mitigation Measure 4.6.1a; 2002 SEIR)

26. Deleted. Condition satisfied. A Flood Hazard Development permit was approved in January of 1997.

27. The operator shall implement the recommendations providing for erosion control downstream of the Capay Bridge, as described in the technical report by Cunningham Engineering (1995). The operator shall coordinate with County efforts to provide erosion protection for the Capay Bridge (Mitigation Measure 4.4-1c).

28. The County shall revise the CCRMP channel boundary in the vicinity of the site to reflect the Test 3 boundary presented in the OCMP (shown as the amended CCRMP channel boundary on Figure 4.6-2 of the 2002 SEIR). (Mitigation Measure 4.6-1b; 2002 SEIR)

29. Additional mining shall not be conducted within 700 feet of the amended CCRMP boundary until all bank modifications (described in Condition #25) are completed. (Mitigation Measure 4.6-1c; 2002 SEIR)

30. Mining shall not be conducted within 700 feet of the amended CCRMP boundary until all levees and channel bank improvements have been implemented and additional

engineered bank stabilization has been provided along the length of the channel bank. Bank protection shall be in conformance with the CCRMP. Prior to construction, detailed plans identifying the type and location of bank protection shall be submitted to the County for review and approval. If any proposed bank protection structures encroach into the conveyance area of the 100-year flood channel (e.g. spur dikes), additional hydraulicmodeling will be required to ensure that the structures would not have adverse flooding impacts. Bank protection structures shall not conflict with implementation of the Test 3 conceptual channel configuration. Bank protection plans shall incorporate biotechnical methods of bank stabilization. Prior to mining within 700 feet of the amended CCRMP boundary, the operator shall obtain certification by a licensed engineer that channel bankand levee slopes are stable and that all backfilled materials have been compacted as appropriate for the end use (Mitigation Measure 4.4-2c).

31. Implement the performance standards contained in Sections 10-4.416 and 10-4.429 of the County Off-Channel Mining Ordinance and Section 10-5.506 of the County Surface Mining Reclamation Ordinance. Specifically, the operator shall conduct annual monitoring and maintenance of channel banks and levees adjoining the project area during the mining and reclamation period. Monitoring shall be conducted by a licensed engineer and shall minimally include visual inspection of channel banks and levees for evidence of erosion or slope instability. Evidence of erosion shall include the existence of oversteepened banks and loss of vegetation. Evidence of slope instability shall include formation cracks, arcuate steps, or unexcavated benches. An annual report on channel bank and levee conditions shall be submitted to the Community Development Director along with the Annual Mining and Reclamation Report. The report shall include the identification of the location (on scaled maps and photographs) and estimated area and volume of eroded materials, a determination of the cause(s) of erosion or slope failure, and recommendations for remedial action. Recommended remedial actions shall be implemented prior to November 1 of each year (Mitigation Measure 4.4-2d). (Mitigation Measure 4.6-1d; 2002 SEIR)

32. Following reclamation, the Community Development Agency shall determine (on the basis of inspection of the channel banks and levees during the mining and reclamation period) the need for continued channel bank and levee monitoring and reporting. A restriction shall be placed on the deed for the underlying property requiring continued inspection and maintenance of channel banks and levees and allowing access by the County for same.

Pursuant to Section 10-4.429 (Setbacks) of the Mining Ordinance and/or Section 10-5.506 (Bank Stabilization Maintenance) of the Reclamation of Ordinance, the applicant shall enter into a legally-binding agreement with the County that commits the applicant to participate in implementation of the Cache Creek Improvements Program for that portion of the Creek frontage owned or controlled by the operator, adjoining the permitted off- channel mining area, as required by Condition #17. Participation shall include, but not be limited to, contribution of equipment and labor for channel widening projects, channel maintenance mining recommended by the TAC (Mitigation Measure 4.4-2e). (Mitigation Measure 4.6-1d; 2002 SEIR)

33. Deleted. Condition satisfied. July 22, 1996 letter from DSD indicates no jurisdiction.

34. Implement the performance standards contained in Sections 10-4.413, 10-4.417, 10-4.427, and 10-4.428 of the County Off-Channel Mining Ordinance; and Sections 10-5.507, 10-5.510, 10-5.519, 10-5.524, 10-5.528, and 10-5.530 of the County Surface Mining Reclamation Ordinance (Mitigation Measure 4.4-3a).

35. Implement the performance standards contained in Sections 10-4.413, 10-4.417, 10-4.427, and 10-4.428 of the County Off-Channel Mining Ordinance; and Section 10-5.507,10-5.510, 10-5.517, 10-5.519, 10-5.524, 10-5.528, 10-5.530, and 10-5.532 of the County Surface Mining Reclamation Ordinance. (Mitigation Measure 4.4-4a).

36. The operator shall limit groundwater pumping at the proposed processing plant well to levels that will not adversely effect supply wells located within 1,000 feet of the plant well.

The operator shall indicate on its mining plan the location of the plant water supply well and all active, water supply wells within 1,000 feet. If there are active wells located within 1,000 feet of the proposed plant well, the applicant shall demonstrate, using groundwater modeling, that the proposed pumping rate at the processing plant would not adversely affect active off-site wells within 1,000 feet of the proposed mining area. An effect shall be considered adverse if it would result in groundwater elevation declines of greater than 2 feet at any of the nearby wells, or if it would cause well failure. Groundwater conditions shall be simulated using MODFLOW (or a similar model of equal capability and proven reliability, as approved by the Yolo County Community Development Director) and assuming historic average low groundwater conditions.

As an alternative to decreasing pumping, the operator may select to enter into a written agreement with the owner of the affected well that the well shall be relocated or redesigned to eliminate adverse impacts (Mitigation Measure 4.4-8a).

36.2 Applicant shall comply with Section 10-5.503 of the Yolo County Surface Mining Reclamation Ordinance with regard to the off-site water supply well located approximately 850 feet west of the proposed Phase 1A mining area. The applicant shall either retain a qualified professional to model (using the numerical model MODFLOW) the effect on groundwater flow conditions that would be expected to occur as a result of the proposed mining and reclamation plan. If the modeling indicates an adverse effect (as defined by OCMP Performance Standard 3.5-1) then the mining plan must be redesigned to mitigate the effect or the applicant must acquire a written agreement from the well owner(s) that states that any impacts to the well will be managed between the applicant and the well owner at no expense to the County. (Mitigation Measure 4.6-2; 2002 SEIR)

36.4 All concrete truck washdown areas shall be underlain by durable impermeable liners (i.e., poured concrete pads or impermeable membrane). The selected material shall be adequately durable to withstand the repeated scraping required for periodic cleaning of the settling areas. The washdown areas shall be designed so that no discharge of water or slurry leaves the containment area. Water collected in the containment structure shall

either be reused in the plant or allowed to evaporate. Solid residues from the containment area shall be incorporated into construction materials for off-site use. To prevent the use of the caustic water by wildlife, standing water shall not be allowed to persist in the collection areas. Plans for the containment area shall be prepared by the applicant and submitted to the County for review and approval prior to issuance of the final building permit.

Concrete truck washdown activities would require permitting by the Central Valley Regional Water Quality Control Board. The applicant shall prepare and submit a Report of Waste Discharge requesting a modification to the existing Waste Discharge Requirements (WDRs) for the site to include activities described at the proposed washdown area. No washdown activities shall be allowed until the RWQCB approves the requested modification to the existing WDRs. (Mitigation Measure 4.6-5; 2002 SEIR)

36.6 The applicant shall prepare and submit a septic system design to the Yolo County Planning and Public Works Department for review and approval prior to installation of the system. The design would likely require a "special fill" leachfield, which would be composed of an appropriate fine-grained material. The percolation characteristics of the special fill must comply with the septic system siting requirements of Yolo County. (Mitigation Measure 4.6-7)

Transportation

The 1996 EIR performed a level of service (LOS) analysis for several roadway segments and intersections within the project vicinity. The analysis determined that, while the approved project would increase vehicle traffic on local roadways, with the implementation of mitigation, all study roadways and intersections would operate at an acceptable level of service under existing plus approved project conditions. In addition, the project would be subject to Conditions of Approval, specifically, condition #45.4, #45.11, and #49, as well as the 10-year CCAP Update. Impacts related to the proposed project's increase in vehicle trips were determined to be significant and unavoidable, even with implementation of Mitigation Measure 4.8-2a included in the 1996 EIR. All other impacts related to traffic were determined to be less than significant with mitigation. The 2002 SEIR noted that while the revised project would result in an increase in 36 trips, such an increase would not be substantial, and, as a result, traffic impacts were not determined to change as compared to the conclusions made in the 1996 EIR.

The proposed project would not increase the total area, depth, or aggregate tonnage produced, nor change the approved final reclamation land uses. As a result, the annual employee and truck trips generated by the ongoing operations will be similar to those that exist currently and would not increase relative to what was analyzed in the prior 1996 EIR or the 2002 SEIR. The proposed project would allow Granite's existing and ongoing operations to continue by extending the Mining Permit expiration date by up to ten years beyond the current Mining Permit expiration date of January 1, 2028, to complete mining of the permitted reserves. As a result, the proposed project would lengthen the time period over which the mining activities would occur. However, the extension is not expected to modify the conclusions in the prior EIR related to traffic and circulation. Ingress and egress to the project site would be consistent with what was analyzed in the prior EIR. In addition,

the proposed project would not include any changes to onsite circulation relative to what was analyzed in the prior 1996 EIR or the 2002 SEIR. The haul route from the project site would be along County Road 87 to County Road 19 to Interstate 505. The project would not result in the use of, or obstructions to, emergency access routes in the area. Thus, the project would not result in inadequate emergency access. Furthermore, while VMT was not specifically addressed in the 1996 EIR or the 2002 SEIR, the project would not result in a VMT increase beyond current conditions. As such, the proposed project would not result in new significant impacts or substantial increase in the severity of the previously identified significant impacts related to transportation. If the 10-year extension is not approved, then the applicant will conclude its operations at the Granite Capay site and begin operations at the Granite Esparto site, which will have similar transportation impacts.

Conditions of Approval #45.4, #45.11, and #49

45.4 In addition to compliance with Section 10-4.414 (Dust Control), the applicant shall implement the following measures to further reduce PM10 emissions generated from Revised Project operations:

- Water all dust sources at the project site as necessary;
- Wash loose soil off transport trucks prior to the trucks leaving the project site;
- Limit on-site vehicle speed to less than 15 miles per hour.

(Mitigation Measure 4.2-3)

45.11 Whenever possible and feasible, the operator shall use cleaner vehicles and equipment and/or shall retrofit existing vehicles and equipment with diesel particulate filters (DPFs). Pursuant to Section 10-4.414.1 (Energy) of the Mining Ordinance, wherever practical and feasible, aggregate facilities shall use clean electric energy from the grid or install alternative on-site electricity generation systems to replace diesel equipment and reduce criteria pollutant emissions.

49. The operator shall assume joint pavement maintenance responsibility with Yolo County for County Road 87, from the plant driveway to County Road 19, and on County Road 19, from Road 87 to the Teichert (Esparto) driveway. Joint maintenance responsibility (beyond regularly scheduled County maintenance activities) for County Road 19, from the Teichert (Esparto) driveway to Interstate 505, shall be proportionally shared between the operator and Teichert Aggregates or its successor in interest. Proportional maintenance costs shall be determined based upon the previous year's sales figures for each of the two operations, as reported to the County. The operator's joint maintenance responsibility for the roads specified above shall continue throughout the life of the permit.

Remaining Environmental Resource Areas

In addition to the CEQA topics discussed in the previous sections of this Addendum, the 1996 EIR and the 2002 SEIR included analysis of the following issue areas:

- Land Use and Planning;
- Geology and Soils;
- Agriculture;
- Noise;
- Aesthetics;

- Cultural Resources;
- Hazards; and
- Public Services.

The proposed project would not modify the existing production levels, hours of operation, materials to be mined, equipment types or mining methods, mining area, number of employees at the Granite Capay Facility, or otherwise expand or intensify the existing permitted use. Changes to the existing approved Reclamation Plan are not being requested or required. Therefore, the proposed project would not result in any increase in impacts related to the environmental resource areas discussed below.

Due to the nature of the proposed project, the project would not include any development that would directly or indirectly generate population growth in the area. Therefore, the proposed project would not result in an increase in demand for public utilities or public services and, as a result, would not result in any significant impacts related to such. A change in the current land use of the project site is not proposed; thus, impacts related to land use would not occur. The proposed project would not include development of new buildings that would result in substantially more light and glare than what already exists on site. Therefore, the proposed project would not result in new or more severe impacts related to aesthetics beyond what was previously analyzed in the 2002 SEIR.

The proposed project would not involve roadway improvement activities and would be within similar proximity to the nearest sensitive receptors and, thus, would be expected to result in similar noise and vibration levels as compared to current conditions. However, the proposed project would be subject to Conditions of Approval, specifically, conditions #19.8 and #49, which would require road maintenance to continue through the duration of the mining permit. The proposed project would extend the current Granite Capay mining permit approval for 10 years and would not increase the total area, depth, or amount of mining, nor change the approved final reclamation land uses and thus would not result in any increase in impacts related to noise.

The proposed project area is regularly disturbed by existing operations. In addition, the County originally approved the Granite Capay permit with reclamation of the site to permanent lakes, habitat, and agriculture uses following the completion of mining activities. Except for the portion of one parcel located with in-channel portions designed as “POS,” the entirety of the site is designated “AG,” and no new agricultural land would be disturbed by the proposed project beyond what was previously analyzed. It should be noted that a portion of the site has already undergone reclamation to agricultural lands.

In addition, the site is unlikely to contain buried cultural or paleontological resources, and the proposed project would not increase the total area, depth, or amount of mining. Thus, the proposed project would not have the potential to disturb buried cultural resources beyond what was previously analyzed in the 1996 EIR and 2002 SEIR.

Hazardous materials are currently used and stored within the project site. However, a computer data search of the files from local, State, and federal regulatory agencies was conducted for the 1996 EIR and the results of the search indicated that known spills or tanks were not identified within the project site. According to the 2002 SEIR, the EnviroStor database, which lists the Hazardous Waste and Substances Sites, the Capay Facility is not a hazardous waste site. In addition, the project would be subject to Conditions of Approval, specifically, conditions #59 through #60.4. Therefore, the proposed extension for the Granite Capay Permit would not result in any more severe impacts related to hazards and hazardous materials. Impacts would not be expected to occur and/or would be similar to

what was anticipated for the 2002 SEIR. Accordingly, all applicable mitigation measures set forth in the 1996 EIR and 2002 SEIR related to such (i.e., Mitigation Measures 4.12- 1a through 4.12-3a) would be required for the proposed project as well to ensure any potential impacts are reduced to less than significant.

Overall, based on the above, the proposed project would not result in any new impacts or substantially more severe significant impacts relative to what was analyzed in the 1996 EIR or the 2002 SEIR.

Conclusion

The proposed project would not result in any new information of substantial importance, new significant impacts, new or revised alternatives, or a substantial increase in the severity of previously identified significant impacts that would require major revisions to the original 1996 EIR or the 2002 SEIR. The proposed project would be required to implement all applicable mitigation measures set forth in the previous EIRs. The feasibility of mitigation measures or alternatives previously identified would not be modified with implementation of the proposed project. As a result, new information of substantial importance, which was not known and could not have been known at the time the previous CEQA document was prepared, has not come to light from what has been previously analyzed. As such, the proposed project would not result in any conditions identified in CEQA Guidelines Sections 15162 and 15163, and neither a subsequent EIR nor a supplement to the 1996 EIR or 2002 SEIR is required. Rather, the appropriate review document is this addendum, prepared pursuant to CEQA Guidelines Section 15164.

APPENDIX A

EMFAC, AERMOD, AND HARP 2 RAST

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	Granite Capay Mining Facility Permit Extension Project
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	I:\Projects\Reference Material\Air Quality Assessment_HRA Guidance_2023 \Meteorological Data for AERMOD\Nut Tree Airport.sfc
ME	PROFFILE	Profile met file	I:\Projects\Reference Material\Air Quality Assessment_HRA Guidance_2023 \Meteorological Data for AERMOD\Nut Tree Airport.pfl
ME	SURFDATA	Surf met data info.	93241 2017
ME	UAIRDATA	U-Air met data info.	23230 2017
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	36
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU	DAYTABLE	Print summary opt.	

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height
			East (m)	North (m)	(m)			(m)
636AI0AY	VOLUME		585291.8	4285546.7	0	8.515667E-07	(g/s)	2.3
636AI0AZ	VOLUME		585316.1	4285556.1	0	8.515667E-07	(g/s)	2.3
636AI0B0	VOLUME		585340.3	4285565.5	0	8.515667E-07	(g/s)	2.3
636AI0B1	VOLUME		585364.5	4285574.9	0	8.515667E-07	(g/s)	2.3
636AI0B2	VOLUME		585389.8	4285579.8	0	8.515667E-07	(g/s)	2.3
636AI0B3	VOLUME		585415.7	4285581.5	0	8.515667E-07	(g/s)	2.3
636AI0B4	VOLUME		585441.7	4285583.1	0	8.515667E-07	(g/s)	2.3
636AI0B5	VOLUME		585467.6	4285584.7	0	8.515667E-07	(g/s)	2.3
636AI0B6	VOLUME		585493.6	4285586.4	0	8.515667E-07	(g/s)	2.3
636AI0B7	VOLUME		585519.5	4285588.0	0	8.515667E-07	(g/s)	2.3
636AI0B8	VOLUME		585545.4	4285589.8	0	8.515667E-07	(g/s)	2.3
636AI0B9	VOLUME		585571.2	4285593.6	0	8.515667E-07	(g/s)	2.3
636AI0BA	VOLUME		585596.9	4285597.4	0	8.515667E-07	(g/s)	2.3
636AI0BB	VOLUME		585622.6	4285601.2	0	8.515667E-07	(g/s)	2.3
636AI0BC	VOLUME		585648.3	4285605.0	0	8.515667E-07	(g/s)	2.3
636AI0BD	VOLUME		585674.0	4285608.8	0	8.515667E-07	(g/s)	2.3
636AI0BE	VOLUME		585699.8	4285612.0	0	8.515667E-07	(g/s)	2.3
636AI0BF	VOLUME		585725.7	4285614.6	0	8.515667E-07	(g/s)	2.3
636AI0BG	VOLUME		585751.6	4285617.1	0	8.515667E-07	(g/s)	2.3
636AI0BH	VOLUME		585777.4	4285619.7	0	8.515667E-07	(g/s)	2.3
636AI0BI	VOLUME		585803.3	4285622.3	0	8.515667E-07	(g/s)	2.3
636AI0BJ	VOLUME		585829.2	4285624.9	0	8.515667E-07	(g/s)	2.3
636AI0BK	VOLUME		585855.1	4285625.9	0	8.515667E-07	(g/s)	2.3
636AI0BL	VOLUME		585881.1	4285624.5	0	8.515667E-07	(g/s)	2.3
636AI0BM	VOLUME		585907.0	4285623.2	0	8.515667E-07	(g/s)	2.3
636AI0BN	VOLUME		585933.0	4285621.9	0	8.515667E-07	(g/s)	2.3
636AI0BO	VOLUME		585959.0	4285620.6	0	8.515667E-07	(g/s)	2.3
636AI0BP	VOLUME		585984.9	4285619.2	0	8.515667E-07	(g/s)	2.3
636AI0BQ	VOLUME		586010.9	4285617.9	0	8.515667E-07	(g/s)	2.3
636AI0BR	VOLUME		586036.9	4285616.6	0	8.515667E-07	(g/s)	2.3
636AI0BU	VOLUME		586412.3	4287681.4	0	1.86628E-06	(g/s)	2.3
636AI0BV	VOLUME		586408.2	4287653.7	0	1.86628E-06	(g/s)	2.3
636AI0BW	VOLUME		586404.1	4287626.0	0	1.86628E-06	(g/s)	2.3
636AI0BX	VOLUME		586399.9	4287598.3	0	1.86628E-06	(g/s)	2.3

636AI0BY	VOLUME		586395.8	4287570.6	0	1.86628E-06	(g/s)	2.3
636AI0BZ	VOLUME		586391.7	4287542.9	0	1.86628E-06	(g/s)	2.3
636AI0C0	VOLUME		586387.5	4287515.2	0	1.86628E-06	(g/s)	2.3
636AI0C1	VOLUME		586383.4	4287487.5	0	1.86628E-06	(g/s)	2.3
636AI0C2	VOLUME		586379.3	4287459.8	0	1.86628E-06	(g/s)	2.3
636AI0C3	VOLUME		586374.4	4287432.2	0	1.86628E-06	(g/s)	2.3
636AI0C4	VOLUME		586369.0	4287404.8	0	1.86628E-06	(g/s)	2.3
636AI0C5	VOLUME		586363.6	4287377.3	0	1.86628E-06	(g/s)	2.3
636AI0C6	VOLUME		586358.2	4287349.8	0	1.86628E-06	(g/s)	2.3
636AI0C7	VOLUME		586352.7	4287322.4	0	1.86628E-06	(g/s)	2.3
636AI0C8	VOLUME		586347.3	4287294.9	0	1.86628E-06	(g/s)	2.3
636AI0C9	VOLUME		586341.9	4287267.4	0	1.86628E-06	(g/s)	2.3
636AI0CA	VOLUME		586336.4	4287240.0	0	1.86628E-06	(g/s)	2.3
636AI0CB	VOLUME		586331.0	4287212.5	0	1.86628E-06	(g/s)	2.3
636AI0CC	VOLUME		586325.6	4287185.0	0	1.86628E-06	(g/s)	2.3
636AI0CD	VOLUME		586320.2	4287157.5	0	1.86628E-06	(g/s)	2.3
636AI0CE	VOLUME		586314.7	4287130.1	0	1.86628E-06	(g/s)	2.3
636AI0CF	VOLUME		586309.3	4287102.6	0	1.86628E-06	(g/s)	2.3
636AI0CG	VOLUME		586303.9	4287075.1	0	1.86628E-06	(g/s)	2.3
636AI0CH	VOLUME		586298.4	4287047.7	0	1.86628E-06	(g/s)	2.3
636AI0CI	VOLUME		586293.0	4287020.2	0	1.86628E-06	(g/s)	2.3
636AI0CJ	VOLUME		586287.6	4286992.7	0	1.86628E-06	(g/s)	2.3
636AI0CK	VOLUME		586282.5	4286965.2	0	1.86628E-06	(g/s)	2.3
636AI0CL	VOLUME		586277.4	4286937.7	0	1.86628E-06	(g/s)	2.3
636AI0CM	VOLUME		586272.4	4286910.1	0	1.86628E-06	(g/s)	2.3
636AI0CN	VOLUME		586267.3	4286882.6	0	1.86628E-06	(g/s)	2.3
636AI0CO	VOLUME		586262.2	4286855.1	0	1.86628E-06	(g/s)	2.3
636AI0CP	VOLUME		586257.1	4286827.5	0	1.86628E-06	(g/s)	2.3
636AI0CQ	VOLUME		586252.1	4286800.0	0	1.86628E-06	(g/s)	2.3
636AI0CR	VOLUME		586247.0	4286772.4	0	1.86628E-06	(g/s)	2.3
636AI0CS	VOLUME		586241.9	4286744.9	0	1.86628E-06	(g/s)	2.3
636AI0CT	VOLUME		586236.8	4286717.4	0	1.86628E-06	(g/s)	2.3
636AI0CU	VOLUME		586231.7	4286689.8	0	1.86628E-06	(g/s)	2.3
636AI0CV	VOLUME		586226.7	4286662.3	0	1.86628E-06	(g/s)	2.3
636AI0CW	VOLUME		586221.6	4286634.8	0	1.86628E-06	(g/s)	2.3
636AI0CX	VOLUME		586216.5	4286607.2	0	1.86628E-06	(g/s)	2.3
636AI0CY	VOLUME		586211.4	4286579.7	0	1.86628E-06	(g/s)	2.3
636AI0CZ	VOLUME		586206.4	4286552.2	0	1.86628E-06	(g/s)	2.3
636AI0D0	VOLUME		586201.3	4286524.6	0	1.86628E-06	(g/s)	2.3
636AI0D1	VOLUME		586196.2	4286497.1	0	1.86628E-06	(g/s)	2.3
636AI0D2	VOLUME		586191.1	4286469.6	0	1.86628E-06	(g/s)	2.3
636AI0D3	VOLUME		586186.1	4286442.0	0	1.86628E-06	(g/s)	2.3
636AI0D4	VOLUME		586181.0	4286414.5	0	1.86628E-06	(g/s)	2.3
636AI0D5	VOLUME		586175.9	4286386.9	0	1.86628E-06	(g/s)	2.3
636AI0D6	VOLUME		586170.8	4286359.4	0	1.86628E-06	(g/s)	2.3
636AI0D7	VOLUME		586165.7	4286331.9	0	1.86628E-06	(g/s)	2.3

636AI0D8	VOLUME		586160.7	4286304.3	0	1.86628E-06	(g/s)	2.3
636AI0D9	VOLUME		586155.6	4286276.8	0	1.86628E-06	(g/s)	2.3
636AI0DA	VOLUME		586150.5	4286249.3	0	1.86628E-06	(g/s)	2.3
636AI0DB	VOLUME		586145.4	4286221.7	0	1.86628E-06	(g/s)	2.3
636AI0DC	VOLUME		586140.3	4286194.2	0	1.86628E-06	(g/s)	2.3
636AI0DD	VOLUME		586135.2	4286166.7	0	1.86628E-06	(g/s)	2.3
636AI0DE	VOLUME		586130.2	4286139.1	0	1.86628E-06	(g/s)	2.3
636AI0DF	VOLUME		586125.1	4286111.6	0	1.86628E-06	(g/s)	2.3
636AI0DG	VOLUME		586120.0	4286084.1	0	1.86628E-06	(g/s)	2.3
636AI0DH	VOLUME		586114.9	4286056.5	0	1.86628E-06	(g/s)	2.3
636AI0DI	VOLUME		586109.8	4286029.0	0	1.86628E-06	(g/s)	2.3
636AI0DJ	VOLUME		586104.7	4286001.5	0	1.86628E-06	(g/s)	2.3
636AI0DK	VOLUME		586099.6	4285973.9	0	1.86628E-06	(g/s)	2.3
636AI0DL	VOLUME		586094.5	4285946.4	0	1.86628E-06	(g/s)	2.3
636AI0DM	VOLUME		586089.4	4285918.9	0	1.86628E-06	(g/s)	2.3
636AI0DN	VOLUME		586084.3	4285891.3	0	1.86628E-06	(g/s)	2.3
636AI0DO	VOLUME		586079.3	4285863.8	0	1.86628E-06	(g/s)	2.3
636AI0DP	VOLUME		586074.2	4285836.3	0	1.86628E-06	(g/s)	2.3
636AI0DQ	VOLUME		586069.1	4285808.7	0	1.86628E-06	(g/s)	2.3
636AI0DR	VOLUME		586064.0	4285781.2	0	1.86628E-06	(g/s)	2.3
636AI0DS	VOLUME		586058.9	4285753.7	0	1.86628E-06	(g/s)	2.3
636AI0DT	VOLUME		586053.8	4285726.1	0	1.86628E-06	(g/s)	2.3
636AI0DU	VOLUME		586048.7	4285698.6	0	1.86628E-06	(g/s)	2.3
636AI0DV	VOLUME		586043.6	4285671.1	0	1.86628E-06	(g/s)	2.3
636AI0DW	VOLUME		586038.5	4285643.5	0	1.86628E-06	(g/s)	2.3
636AI0DZ	VOLUME		586438.3	4287696.6	0	1.81982E-06	(g/s)	2.3
636AI0E0	VOLUME		586465.2	4287688.7	0	1.81982E-06	(g/s)	2.3
636AI0E1	VOLUME		586492.1	4287680.9	0	1.81982E-06	(g/s)	2.3
636AI0E2	VOLUME		586519.0	4287673.0	0	1.81982E-06	(g/s)	2.3
636AI0E3	VOLUME		586545.8	4287665.2	0	1.81982E-06	(g/s)	2.3
636AI0E4	VOLUME		586573.2	4287659.2	0	1.81982E-06	(g/s)	2.3
636AI0E5	VOLUME		586600.6	4287653.7	0	1.81982E-06	(g/s)	2.3
636AI0E6	VOLUME		586628.1	4287648.2	0	1.81982E-06	(g/s)	2.3
636AI0E7	VOLUME		586655.6	4287642.7	0	1.81982E-06	(g/s)	2.3
636AI0E8	VOLUME		586683.0	4287637.2	0	1.81982E-06	(g/s)	2.3
636AI0E9	VOLUME		586710.5	4287631.7	0	1.81982E-06	(g/s)	2.3
636AI0EA	VOLUME		586737.9	4287626.3	0	1.81982E-06	(g/s)	2.3
636AI0EB	VOLUME		586765.4	4287620.8	0	1.81982E-06	(g/s)	2.3
636AI0EC	VOLUME		586792.8	4287615.3	0	1.81982E-06	(g/s)	2.3
636AI0ED	VOLUME		586820.3	4287609.8	0	1.81982E-06	(g/s)	2.3
636AI0EE	VOLUME		586847.8	4287604.4	0	1.81982E-06	(g/s)	2.3
636AI0EF	VOLUME		586875.3	4287599.1	0	1.81982E-06	(g/s)	2.3
636AI0EG	VOLUME		586902.8	4287593.9	0	1.81982E-06	(g/s)	2.3
636AI0EH	VOLUME		586930.3	4287588.7	0	1.81982E-06	(g/s)	2.3
636AI0EI	VOLUME		586957.8	4287583.5	0	1.81982E-06	(g/s)	2.3

636AI0EJ	VOLUME		586985.3	4287578.2	0	1.81982E-06	(g/s)	2.3
636AI0EK	VOLUME		587012.8	4287573.0	0	1.81982E-06	(g/s)	2.3
636AI0EL	VOLUME		587040.3	4287567.8	0	1.81982E-06	(g/s)	2.3
636AI0EM	VOLUME		587067.8	4287562.5	0	1.81982E-06	(g/s)	2.3
636AI0EN	VOLUME		587095.3	4287557.3	0	1.81982E-06	(g/s)	2.3
636AI0EO	VOLUME		587122.8	4287552.1	0	1.81982E-06	(g/s)	2.3
636AI0EP	VOLUME		587150.3	4287546.9	0	1.81982E-06	(g/s)	2.3
636AI0EQ	VOLUME		587177.9	4287541.6	0	1.81982E-06	(g/s)	2.3
636AI0ER	VOLUME		587205.4	4287536.4	0	1.81982E-06	(g/s)	2.3
636AI0ES	VOLUME		587232.9	4287531.2	0	1.81982E-06	(g/s)	2.3
636AI0ET	VOLUME		587260.4	4287526.0	0	1.81982E-06	(g/s)	2.3
636AI0EU	VOLUME		587287.9	4287520.7	0	1.81982E-06	(g/s)	2.3
636AI0EV	VOLUME		587315.4	4287515.5	0	1.81982E-06	(g/s)	2.3
636AI0EW	VOLUME		587342.9	4287510.3	0	1.81982E-06	(g/s)	2.3
636AI0EX	VOLUME		587370.4	4287505.0	0	1.81982E-06	(g/s)	2.3
636AI0EY	VOLUME		587397.8	4287499.3	0	1.81982E-06	(g/s)	2.3
636AI0EZ	VOLUME		587425.2	4287493.6	0	1.81982E-06	(g/s)	2.3
636AI0F0	VOLUME		587452.6	4287487.9	0	1.81982E-06	(g/s)	2.3
636AI0F1	VOLUME		587480.1	4287482.2	0	1.81982E-06	(g/s)	2.3
636AI0F2	VOLUME		587507.5	4287476.5	0	1.81982E-06	(g/s)	2.3
636AI0F3	VOLUME		587534.9	4287470.8	0	1.81982E-06	(g/s)	2.3
636AI0F4	VOLUME		587562.3	4287465.1	0	1.81982E-06	(g/s)	2.3
636AI0F5	VOLUME		587589.7	4287459.4	0	1.81982E-06	(g/s)	2.3
636AI0F6	VOLUME		587617.1	4287453.7	0	1.81982E-06	(g/s)	2.3
636AI0F7	VOLUME		587644.5	4287447.9	0	1.81982E-06	(g/s)	2.3
636AI0F8	VOLUME		587671.9	4287442.2	0	1.81982E-06	(g/s)	2.3
636AI0F9	VOLUME		587699.3	4287436.5	0	1.81982E-06	(g/s)	2.3
636AI0FA	VOLUME		587726.8	4287430.8	0	1.81982E-06	(g/s)	2.3
636AI0FB	VOLUME		587754.2	4287425.1	0	1.81982E-06	(g/s)	2.3
636AI0FC	VOLUME		587781.6	4287419.4	0	1.81982E-06	(g/s)	2.3
636AI0FD	VOLUME		587809.0	4287413.7	0	1.81982E-06	(g/s)	2.3
636AI0FE	VOLUME		587836.4	4287408.0	0	1.81982E-06	(g/s)	2.3
636AI0FF	VOLUME		587863.8	4287402.3	0	1.81982E-06	(g/s)	2.3
636AI0FG	VOLUME		587891.3	4287396.9	0	1.81982E-06	(g/s)	2.3
636AI0FH	VOLUME		587918.8	4287391.8	0	1.81982E-06	(g/s)	2.3
636AI0FI	VOLUME		587946.4	4287386.7	0	1.81982E-06	(g/s)	2.3
636AI0FJ	VOLUME		587973.9	4287381.6	0	1.81982E-06	(g/s)	2.3
636AI0FK	VOLUME		588001.4	4287376.5	0	1.81982E-06	(g/s)	2.3
636AI0FL	VOLUME		588029.0	4287371.4	0	1.81982E-06	(g/s)	2.3
636AI0FM	VOLUME		588056.5	4287366.3	0	1.81982E-06	(g/s)	2.3
636AI0FN	VOLUME		588084.0	4287361.2	0	1.81982E-06	(g/s)	2.3
636AI0FO	VOLUME		588111.5	4287356.1	0	1.81982E-06	(g/s)	2.3
636AI0FP	VOLUME		588139.1	4287351.0	0	1.81982E-06	(g/s)	2.3
636AI0FQ	VOLUME		588166.6	4287345.9	0	1.81982E-06	(g/s)	2.3
636AI0FR	VOLUME		588194.1	4287340.8	0	1.81982E-06	(g/s)	2.3
636AI0FS	VOLUME		588221.7	4287335.7	0	1.81982E-06	(g/s)	2.3

636AI0FT	VOLUME		588249.2	4287330.6	0	1.81982E-06	(g/s)	2.3
636AI0FU	VOLUME		588276.7	4287325.5	0	1.81982E-06	(g/s)	2.3
636AI0FV	VOLUME		588304.3	4287320.4	0	1.81982E-06	(g/s)	2.3
636AI0FW	VOLUME		588331.9	4287316.1	0	1.81982E-06	(g/s)	2.3
636AI0FX	VOLUME		588359.6	4287311.9	0	1.81982E-06	(g/s)	2.3
636AI0FY	VOLUME		588387.3	4287307.6	0	1.81982E-06	(g/s)	2.3
636AI0FZ	VOLUME		588415.0	4287303.4	0	1.81982E-06	(g/s)	2.3
636AI0G0	VOLUME		588442.6	4287299.1	0	1.81982E-06	(g/s)	2.3
636AI0G1	VOLUME		588470.3	4287294.8	0	1.81982E-06	(g/s)	2.3
636AI0G2	VOLUME		588498.0	4287290.6	0	1.81982E-06	(g/s)	2.3
636AI0G3	VOLUME		588524.7	4287282.9	0	1.81982E-06	(g/s)	2.3
636AI0G4	VOLUME		588550.8	4287272.7	0	1.81982E-06	(g/s)	2.3
636AI0G5	VOLUME		588576.9	4287262.6	0	1.81982E-06	(g/s)	2.3
636AI0G6	VOLUME		588603.0	4287252.5	0	1.81982E-06	(g/s)	2.3
636AI0G7	VOLUME		588629.1	4287242.3	0	1.81982E-06	(g/s)	2.3
636AI0G8	VOLUME		588655.2	4287232.2	0	1.81982E-06	(g/s)	2.3
636AI0G9	VOLUME		588681.3	4287222.1	0	1.81982E-06	(g/s)	2.3
636AI0GA	VOLUME		588707.4	4287211.7	0	1.81982E-06	(g/s)	2.3
636AI0GB	VOLUME		588733.2	4287200.8	0	1.81982E-06	(g/s)	2.3
636AI0GC	VOLUME		588759.0	4287190.0	0	1.81982E-06	(g/s)	2.3
636AI0GD	VOLUME		588784.8	4287179.1	0	1.81982E-06	(g/s)	2.3
636AI0GE	VOLUME		588810.6	4287168.2	0	1.81982E-06	(g/s)	2.3
636AI0GF	VOLUME		588836.4	4287157.4	0	1.81982E-06	(g/s)	2.3
636AI0GG	VOLUME		588862.2	4287146.5	0	1.81982E-06	(g/s)	2.3
636AI0GH	VOLUME		588888.0	4287135.6	0	1.81982E-06	(g/s)	2.3
636AI0GI	VOLUME		588913.8	4287124.8	0	1.81982E-06	(g/s)	2.3
636AI0GJ	VOLUME		588939.6	4287113.9	0	1.81982E-06	(g/s)	2.3
636AI0GK	VOLUME		588965.4	4287103.0	0	1.81982E-06	(g/s)	2.3
636AI0GL	VOLUME		588991.2	4287092.2	0	1.81982E-06	(g/s)	2.3
636AI0GM	VOLUME		589016.9	4287080.9	0	1.81982E-06	(g/s)	2.3
636AI0GN	VOLUME		589042.4	4287069.5	0	1.81982E-06	(g/s)	2.3
636AI0GO	VOLUME		589068.0	4287058.1	0	1.81982E-06	(g/s)	2.3
636AI0GP	VOLUME		589093.5	4287046.6	0	1.81982E-06	(g/s)	2.3
636AI0GQ	VOLUME		589119.1	4287035.2	0	1.81982E-06	(g/s)	2.3
636AI0GR	VOLUME		589144.7	4287023.8	0	1.81982E-06	(g/s)	2.3
636AI0GS	VOLUME		589170.2	4287012.3	0	1.81982E-06	(g/s)	2.3
636AI0GT	VOLUME		589195.8	4287000.9	0	1.81982E-06	(g/s)	2.3
636AI0GU	VOLUME		589219.8	4286986.6	0	1.81982E-06	(g/s)	2.3
636AI0GV	VOLUME		589243.5	4286971.7	0	1.81982E-06	(g/s)	2.3
636AI0GW	VOLUME		589267.2	4286956.7	0	1.81982E-06	(g/s)	2.3
636AI0GX	VOLUME		589290.8	4286941.8	0	1.81982E-06	(g/s)	2.3
636AI0GY	VOLUME		589312.3	4286924.1	0	1.81982E-06	(g/s)	2.3
636AI0GZ	VOLUME		589332.1	4286904.3	0	1.81982E-06	(g/s)	2.3
636AI0H0	VOLUME		589351.9	4286884.5	0	1.81982E-06	(g/s)	2.3
636AI0H1	VOLUME		589367.1	4286861.4	0	1.81982E-06	(g/s)	2.3

636AI0H2	VOLUME		589379.6	4286836.3	0	1.81982E-06	(g/s)	2.3
636AI0H3	VOLUME		589392.2	4286811.3	0	1.81982E-06	(g/s)	2.3
636AI0H4	VOLUME		589404.7	4286786.2	0	1.81982E-06	(g/s)	2.3
636AI0H5	VOLUME		589417.2	4286761.2	0	1.81982E-06	(g/s)	2.3
636AI0H6	VOLUME		589432.1	4286737.5	0	1.81982E-06	(g/s)	2.3
636AI0H7	VOLUME		589446.9	4286713.7	0	1.81982E-06	(g/s)	2.3
636AI0H8	VOLUME		589461.7	4286690.0	0	1.81982E-06	(g/s)	2.3
636AI0H9	VOLUME		589478.8	4286667.9	0	1.81982E-06	(g/s)	2.3
636AI0HA	VOLUME		589498.6	4286648.1	0	1.81982E-06	(g/s)	2.3
636AI0HB	VOLUME		589518.6	4286628.6	0	1.81982E-06	(g/s)	2.3
636AI0HC	VOLUME		589539.3	4286609.8	0	1.81982E-06	(g/s)	2.3
636AI0HD	VOLUME		589560.0	4286590.9	0	1.81982E-06	(g/s)	2.3
636AI0HE	VOLUME		589582.7	4286574.9	0	1.81982E-06	(g/s)	2.3
636AI0HF	VOLUME		589607.3	4286561.5	0	1.81982E-06	(g/s)	2.3
636AI0HG	VOLUME		589632.0	4286548.3	0	1.81982E-06	(g/s)	2.3
636AI0HH	VOLUME		589657.5	4286536.7	0	1.81982E-06	(g/s)	2.3
636AI0HI	VOLUME		589683.0	4286525.1	0	1.81982E-06	(g/s)	2.3
636AI0HJ	VOLUME		589708.4	4286513.4	0	1.81982E-06	(g/s)	2.3
636AI0HK	VOLUME		589733.9	4286501.8	0	1.81982E-06	(g/s)	2.3
636AI0HL	VOLUME		589759.4	4286490.2	0	1.81982E-06	(g/s)	2.3
636AI0HM	VOLUME		589784.8	4286478.5	0	1.81982E-06	(g/s)	2.3
636AI0HN	VOLUME		589810.3	4286466.9	0	1.81982E-06	(g/s)	2.3
636AI0HO	VOLUME		589835.8	4286455.3	0	1.81982E-06	(g/s)	2.3
636AI0HP	VOLUME		589861.2	4286443.6	0	1.81982E-06	(g/s)	2.3
636AI0HQ	VOLUME		589886.7	4286432.0	0	1.81982E-06	(g/s)	2.3
636AI0HR	VOLUME		589912.2	4286420.4	0	1.81982E-06	(g/s)	2.3
636AI0HS	VOLUME		589937.6	4286408.7	0	1.81982E-06	(g/s)	2.3
636AI0HT	VOLUME		589963.1	4286397.1	0	1.81982E-06	(g/s)	2.3
636AI0HU	VOLUME		589988.6	4286385.4	0	1.81982E-06	(g/s)	2.3
636AI0HV	VOLUME		590014.0	4286373.8	0	1.81982E-06	(g/s)	2.3
636AI0HW	VOLUME		590039.5	4286362.2	0	1.81982E-06	(g/s)	2.3
636AI0HX	VOLUME		590065.0	4286350.5	0	1.81982E-06	(g/s)	2.3
636AI0HY	VOLUME		590090.4	4286338.9	0	1.81982E-06	(g/s)	2.3
636AI0HZ	VOLUME		590115.9	4286327.3	0	1.81982E-06	(g/s)	2.3
636AI0I0	VOLUME		590141.4	4286315.6	0	1.81982E-06	(g/s)	2.3
636AI0I1	VOLUME		590166.9	4286304.0	0	1.81982E-06	(g/s)	2.3
636AI0I2	VOLUME		590192.3	4286292.4	0	1.81982E-06	(g/s)	2.3
636AI0I3	VOLUME		590217.8	4286280.7	0	1.81982E-06	(g/s)	2.3
636AI0I4	VOLUME		590243.2	4286269.0	0	1.81982E-06	(g/s)	2.3
636AI0I5	VOLUME		590268.5	4286256.9	0	1.81982E-06	(g/s)	2.3
636AI0I6	VOLUME		590293.7	4286244.8	0	1.81982E-06	(g/s)	2.3
636AI0I7	VOLUME		590318.9	4286232.6	0	1.81982E-06	(g/s)	2.3
636AI0I8	VOLUME		590344.2	4286220.5	0	1.81982E-06	(g/s)	2.3
636AI0I9	VOLUME		590369.4	4286208.4	0	1.81982E-06	(g/s)	2.3
636AI0IA	VOLUME		590396.5	4286201.7	0	1.81982E-06	(g/s)	2.3
636AI0IB	VOLUME		590423.9	4286195.7	0	1.81982E-06	(g/s)	2.3

636AI0IC	VOLUME		590451.2	4286189.7	0	1.81982E-06	(g/s)	2.3
636AI0ID	VOLUME		590478.6	4286183.7	0	1.81982E-06	(g/s)	2.3
636AI0IE	VOLUME		590505.9	4286177.8	0	1.81982E-06	(g/s)	2.3
636AI0IF	VOLUME		590533.3	4286171.8	0	1.81982E-06	(g/s)	2.3

Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
636AI0AY		585291.8	4285546.7	0	8.515667E-07	2.3	12.09302	2.139535
636AI0AZ		585316.1	4285556.1	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B0		585340.3	4285565.5	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B1		585364.5	4285574.9	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B2		585389.8	4285579.8	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B3		585415.7	4285581.5	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B4		585441.7	4285583.1	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B5		585467.6	4285584.7	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B6		585493.6	4285586.4	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B7		585519.5	4285588.0	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B8		585545.4	4285589.8	0	8.515667E-07	2.3	12.09302	2.139535
636AI0B9		585571.2	4285593.6	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BA		585596.9	4285597.4	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BB		585622.6	4285601.2	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BC		585648.3	4285605.0	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BD		585674.0	4285608.8	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BE		585699.8	4285612.0	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BF		585725.7	4285614.6	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BG		585751.6	4285617.1	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BH		585777.4	4285619.7	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BI		585803.3	4285622.3	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BJ		585829.2	4285624.9	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BK		585855.1	4285625.9	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BL		585881.1	4285624.5	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BM		585907.0	4285623.2	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BN		585933.0	4285621.9	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BO		585959.0	4285620.6	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BP		585984.9	4285619.2	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BQ		586010.9	4285617.9	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BR		586036.9	4285616.6	0	8.515667E-07	2.3	12.09302	2.139535
636AI0BU		586412.3	4287681.4	0	1.86628E-06	2.3	13.02326	2.139535
636AI0BV		586408.2	4287653.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0BW		586404.1	4287626.0	0	1.86628E-06	2.3	13.02326	2.139535
636AI0BX		586399.9	4287598.3	0	1.86628E-06	2.3	13.02326	2.139535
636AI0BY		586395.8	4287570.6	0	1.86628E-06	2.3	13.02326	2.139535
636AI0BZ		586391.7	4287542.9	0	1.86628E-06	2.3	13.02326	2.139535

636AI0C0		586387.5	4287515.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C1		586383.4	4287487.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C2		586379.3	4287459.8	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C3		586374.4	4287432.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C4		586369.0	4287404.8	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C5		586363.6	4287377.3	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C6		586358.2	4287349.8	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C7		586352.7	4287322.4	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C8		586347.3	4287294.9	0	1.86628E-06	2.3	13.02326	2.139535
636AI0C9		586341.9	4287267.4	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CA		586336.4	4287240.0	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CB		586331.0	4287212.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CC		586325.6	4287185.0	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CD		586320.2	4287157.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CE		586314.7	4287130.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CF		586309.3	4287102.6	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CG		586303.9	4287075.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CH		586298.4	4287047.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CI		586293.0	4287020.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CJ		586287.6	4286992.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CK		586282.5	4286965.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CL		586277.4	4286937.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CM		586272.4	4286910.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CN		586267.3	4286882.6	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CO		586262.2	4286855.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CP		586257.1	4286827.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CQ		586252.1	4286800.0	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CR		586247.0	4286772.4	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CS		586241.9	4286744.9	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CT		586236.8	4286717.4	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CU		586231.7	4286689.8	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CV		586226.7	4286662.3	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CW		586221.6	4286634.8	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CX		586216.5	4286607.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CY		586211.4	4286579.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0CZ		586206.4	4286552.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D0		586201.3	4286524.6	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D1		586196.2	4286497.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D2		586191.1	4286469.6	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D3		586186.1	4286442.0	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D4		586181.0	4286414.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D5		586175.9	4286386.9	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D6		586170.8	4286359.4	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D7		586165.7	4286331.9	0	1.86628E-06	2.3	13.02326	2.139535
636AI0D8		586160.7	4286304.3	0	1.86628E-06	2.3	13.02326	2.139535

636AI0D9		586155.6	4286276.8	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DA		586150.5	4286249.3	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DB		586145.4	4286221.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DC		586140.3	4286194.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DD		586135.2	4286166.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DE		586130.2	4286139.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DF		586125.1	4286111.6	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DG		586120.0	4286084.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DH		586114.9	4286056.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DI		586109.8	4286029.0	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DJ		586104.7	4286001.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DK		586099.6	4285973.9	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DL		586094.5	4285946.4	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DM		586089.4	4285918.9	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DN		586084.3	4285891.3	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DO		586079.3	4285863.8	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DP		586074.2	4285836.3	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DQ		586069.1	4285808.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DR		586064.0	4285781.2	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DS		586058.9	4285753.7	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DT		586053.8	4285726.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DU		586048.7	4285698.6	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DV		586043.6	4285671.1	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DW		586038.5	4285643.5	0	1.86628E-06	2.3	13.02326	2.139535
636AI0DZ		586438.3	4287696.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E0		586465.2	4287688.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E1		586492.1	4287680.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E2		586519.0	4287673.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E3		586545.8	4287665.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E4		586573.2	4287659.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E5		586600.6	4287653.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E6		586628.1	4287648.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E7		586655.6	4287642.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E8		586683.0	4287637.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0E9		586710.5	4287631.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EA		586737.9	4287626.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EB		586765.4	4287620.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EC		586792.8	4287615.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0ED		586820.3	4287609.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EE		586847.8	4287604.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EF		586875.3	4287599.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EG		586902.8	4287593.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EH		586930.3	4287588.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EI		586957.8	4287583.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EJ		586985.3	4287578.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EK		587012.8	4287573.0	0	1.81982E-06	2.3	13.02326	2.139535

636AI0EL		587040.3	4287567.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EM		587067.8	4287562.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EN		587095.3	4287557.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EO		587122.8	4287552.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EP		587150.3	4287546.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EQ		587177.9	4287541.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0ER		587205.4	4287536.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0ES		587232.9	4287531.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0ET		587260.4	4287526.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EU		587287.9	4287520.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EV		587315.4	4287515.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EW		587342.9	4287510.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EX		587370.4	4287505.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EY		587397.8	4287499.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0EZ		587425.2	4287493.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F0		587452.6	4287487.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F1		587480.1	4287482.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F2		587507.5	4287476.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F3		587534.9	4287470.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F4		587562.3	4287465.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F5		587589.7	4287459.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F6		587617.1	4287453.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F7		587644.5	4287447.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F8		587671.9	4287442.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0F9		587699.3	4287436.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FA		587726.8	4287430.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FB		587754.2	4287425.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FC		587781.6	4287419.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FD		587809.0	4287413.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FE		587836.4	4287408.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FF		587863.8	4287402.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FG		587891.3	4287396.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FH		587918.8	4287391.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FI		587946.4	4287386.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FJ		587973.9	4287381.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FK		588001.4	4287376.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FL		588029.0	4287371.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FM		588056.5	4287366.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FN		588084.0	4287361.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FO		588111.5	4287356.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FP		588139.1	4287351.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FQ		588166.6	4287345.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FR		588194.1	4287340.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FS		588221.7	4287335.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FT		588249.2	4287330.6	0	1.81982E-06	2.3	13.02326	2.139535

636AI0FU		588276.7	4287325.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FV		588304.3	4287320.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FW		588331.9	4287316.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FX		588359.6	4287311.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FY		588387.3	4287307.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0FZ		588415.0	4287303.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G0		588442.6	4287299.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G1		588470.3	4287294.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G2		588498.0	4287290.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G3		588524.7	4287282.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G4		588550.8	4287272.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G5		588576.9	4287262.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G6		588603.0	4287252.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G7		588629.1	4287242.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G8		588655.2	4287232.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0G9		588681.3	4287222.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GA		588707.4	4287211.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GB		588733.2	4287200.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GC		588759.0	4287190.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GD		588784.8	4287179.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GE		588810.6	4287168.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GF		588836.4	4287157.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GG		588862.2	4287146.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GH		588888.0	4287135.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GI		588913.8	4287124.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GJ		588939.6	4287113.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GK		588965.4	4287103.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GL		588991.2	4287092.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GM		589016.9	4287080.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GN		589042.4	4287069.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GO		589068.0	4287058.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GP		589093.5	4287046.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GQ		589119.1	4287035.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GR		589144.7	4287023.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GS		589170.2	4287012.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GT		589195.8	4287000.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GU		589219.8	4286986.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GV		589243.5	4286971.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GW		589267.2	4286956.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GX		589290.8	4286941.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GY		589312.3	4286924.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0GZ		589332.1	4286904.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H0		589351.9	4286884.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H1		589367.1	4286861.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H2		589379.6	4286836.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H3		589392.2	4286811.3	0	1.81982E-06	2.3	13.02326	2.139535

636AI0H4		589404.7	4286786.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H5		589417.2	4286761.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H6		589432.1	4286737.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H7		589446.9	4286713.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H8		589461.7	4286690.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0H9		589478.8	4286667.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HA		589498.6	4286648.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HB		589518.6	4286628.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HC		589539.3	4286609.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HD		589560.0	4286590.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HE		589582.7	4286574.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HF		589607.3	4286561.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HG		589632.0	4286548.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HH		589657.5	4286536.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HI		589683.0	4286525.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HJ		589708.4	4286513.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HK		589733.9	4286501.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HL		589759.4	4286490.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HM		589784.8	4286478.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HN		589810.3	4286466.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HO		589835.8	4286455.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HP		589861.2	4286443.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HQ		589886.7	4286432.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HR		589912.2	4286420.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HS		589937.6	4286408.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HT		589963.1	4286397.1	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HU		589988.6	4286385.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HV		590014.0	4286373.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HW		590039.5	4286362.2	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HX		590065.0	4286350.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HY		590090.4	4286338.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0HZ		590115.9	4286327.3	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I0		590141.4	4286315.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I1		590166.9	4286304.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I2		590192.3	4286292.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I3		590217.8	4286280.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I4		590243.2	4286269.0	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I5		590268.5	4286256.9	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I6		590293.7	4286244.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I7		590318.9	4286232.6	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I8		590344.2	4286220.5	0	1.81982E-06	2.3	13.02326	2.139535
636AI0I9		590369.4	4286208.4	0	1.81982E-06	2.3	13.02326	2.139535
636AI0IA		590396.5	4286201.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0IB		590423.9	4286195.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0IC		590451.2	4286189.7	0	1.81982E-06	2.3	13.02326	2.139535

636AI0ID		590478.6	4286183.7	0	1.81982E-06	2.3	13.02326	2.139535
636AI0IE		590505.9	4286177.8	0	1.81982E-06	2.3	13.02326	2.139535
636AI0IF		590533.3	4286171.8	0	1.81982E-06	2.3	13.02326	2.139535

BREEZE AERMOD Model Results

Max. Annual (5 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
			East (m)	North (m)	(m)	(m)	(m)		
ALL	1ST	0.00681	588127.40	4287380.80	0.00	0.00	1.80	DC	
	2ND	0.00672	588132.40	4287380.80	0.00	0.00	1.80	DC	
	3RD	0.00663	588137.40	4287380.80	0.00	0.00	1.80	DC	
	4TH	0.00644	588122.40	4287385.80	0.00	0.00	1.80	DC	
	5TH	0.00635	588127.40	4287385.80	0.00	0.00	1.80	DC	
	6TH	0.00627	588132.40	4287385.80	0.00	0.00	1.80	DC	
	7TH	0.00619	588137.40	4287385.80	0.00	0.00	1.80	DC	
	8TH	0.00602	588122.40	4287390.80	0.00	0.00	1.80	DC	
	9TH	0.00595	588127.40	4287390.80	0.00	0.00	1.80	DC	
	10TH	0.00587	588132.40	4287390.80	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)	(m)	(m)	(m)		
1-HR	ALL	1ST	Avg. Conc.	0.08540	ug/m**3	17122509	588011.40	4287390.80	0.00	0.00	1.80	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
5	Warning Message(s)
1381	Informational Message(s)
43824	Hours Were Processed
493	Calm Hours Identified
888	Missing Hours Identified (2.03 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H

WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H
WARNING	ME	W186	THRESH_1MIN 1-min ASOS wind speed threshold used 0.50

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*HARP - HRACalc v22118 2/26/2024 3:02:41 PM - Cancer Risk - Input File: C:\Users\jfahrney\Desktop\HARP Results\Granite Capay_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_RISK	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
1			9901	DieselExhPM	0.00681	3.30E-06	10YrCancerHighEnd_Inh_FAH3to70	*	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	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v22118 2/26/2024 3:02:41 PM - Chronic Risk - Input File: C:\Users\jfahrney\Desktop\HARP Results\Granite Capay_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE	1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
1			9901	DieselExhPM	0.0068	NonCancerChronicHighEnd_Inh	######	######	######	######	######	0.00E+00	1.36E-03	######	######	0.00E+00	######	######	######	0.00E+00	*	6.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v22118 2/26/2024 3:02:41 PM - Acute Risk - Input File: C:\Users\jfahrney\Desktop\HARP Results\Granite Capay_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1			9901	DieselExhPM	0.0854	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Yolo
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption	
Yolo	2028	HHDT	Aggregate	15	Diesel	4640.301972	4640.301972	0	5.067869438	0.010137263	0.010595625	2216.512404	0.00279779	0.349212432	0.060235651	0.068573703	0.384332725	0.020989047	0.207197209	0.143186574	0.050115301	0.21825777		0
Yolo	2028	HHDT	Aggregate	55	Diesel	15278.7489	15278.7489	0	1.045423955	0.019030682	0.019891165	1401.963167	0.000471762	0.220879868	0.010156913	0.011562872	0.039703587	0.013275753	0.21427102	0.073082798	0.025578979	0.138049917		0