East Lone Tree Specific Plan Project

SCH# 1993111069

Draft Supplemental Environmental Impact Report

Prepared for
City of Antioch

ANTIOCH
CALIFORNIA

January 2024

Prepared by

RANEY PLANNING & MANAGEMENT, INC.
20 years
1501 Sports Drive, Suite A, Sacramento, CA 95834

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Lead Agency

City of Antioch
Community Development Department
P.O. Box 5007
Antioch, CA 94531

Zoe Merideth
Senior Planner
(925)779-6159

Prepared By

Raney Planning and Management, Inc.
1501 Sports Drive, Suite A
Sacramento, CA 95834
(916) 372-6100

Contact:
Cindy Gnos
Senior Vice President

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1. INTRODUCTION

1.1 TYPE AND PURPOSE OF THE EIR

The East Lone Tree Specific Plan (ELTSP) Environmental Impact Report (EIR), also known as the Future Urbanization Area #2 (FUA #2) Specific Plan EIR, was certified by the City of Antioch City Council in August 1995.[1] The ELTSP EIR was prepared in accordance with the California Environmental Quality Act (CEQA) of 1970, Public Resources Code (PRC) Sections 21000-21178, as amended, and the Guidelines for Implementation of the California Environmental Quality Act, California Code of Regulations (CCR) Title 14, Sections 15000-15387 (CEQA Guidelines). The 1995 EIR evaluated development of the 785-acre ELTSP area, which is located on the eastern edge of the City of Antioch, and is bounded by Lone Tree Way to the south, Empire Avenue and Neroly Road to the east, and the Contra Costa Canal to the north. The ELTSP allowed for a mix of employment, commercial, residential, and public uses, as well as parks and open space to be developed within the ELTSP Area.[2] The ELTSP currently requires approval of a Planned Development (PD) Rezone by City Council for development within the ELTSP area.

According to Section 15164 of the CEQA Guidelines, in situations when a lead agency has certified an EIR for a project, and then the project is modified, requiring additional environmental review, depending on the nature of the project modifications, the lead agency may prepare an Addendum, a Supplement to the EIR, or a Subsequent EIR. The City has determined that a Supplemental EIR (SEIR) to the ELTSP EIR is the appropriate CEQA document, given that only minor changes to the overall analysis contained in the ELTSP EIR are needed.

The ELTSP Project (proposed project) SEIR has been prepared in accordance with CEQA. The City of Antioch is the lead agency for the environmental review of the proposed project evaluated herein and has the principal responsibility for approving the project. As required by Section 15121 of the CEQA Guidelines, this SEIR will (a) inform public agency decision-makers, and the public generally, of the significant environmental effects of the project, (b) identify possible ways to minimize the significant adverse environmental effects, and (c) describe reasonable and feasible project alternatives which reduce environmental effects. The public agency shall consider the information in the SEIR along with other information that may be presented to the agency.

As provided in the CEQA Guidelines Section 15021, public agencies are charged with the duty to avoid or minimize environmental damage where feasible. The public agency has an obligation to balance a variety of public objectives, including economic, environmental, and social issues. CEQA requires the preparation of an EIR prior to approving any project that may have a significant effect on the environment. For the purposes of CEQA, the term project refers to the whole of an action, which has the potential for resulting in a direct physical change or a reasonably foreseeable indirect physical change in the environment (CEQA Guidelines Section 15378[a]). With respect to the proposed project, the City has determined that the proposed development is a *project* within the definition of CEQA, which has the potential for resulting in significant environmental effects.

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1 City of Antioch. *Future Urbanization Area #2 Specific Plan Draft & Final Environmental Impact Reports.* August 25, 1995.

2 City of Antioch. *East Lone Tree Specific Plan – Volume I.* Adopted May 1996.

The lead agency is required to consider the information in the EIR along with any other available information in deciding whether to approve the application. The basic requirements for an EIR include discussions of the environmental setting, environmental impacts, mitigation measures, alternatives, growth-inducing impacts, and cumulative impacts. Generally, an SEIR is only required to evaluate the changes in the project, changes in circumstances, or new information since the original EIR that led to the preparation of the further EIR.

The CEQA Guidelines identify several types of EIRs, each applicable to different project circumstances. This SEIR has been prepared as a *program-level SEIR* pursuant to CEQA Guidelines Section 15168, which focuses primarily on the changes in the environment that would result from later activities that were not previously evaluated as part of the original CEQA document.

1.2 KNOWN RESPONSIBLE AND TRUSTEE AGENCIES

"Responsible agency" means a public agency that proposes to carry out or approve a project for which a lead agency is preparing or has prepared an EIR or Negative Declaration. For the purpose of CEQA, the term responsible agency includes all California public agencies other than the lead agency that have discretionary approval power over the project or an aspect of the project. The Bay Area Air Quality Management District (BAAQMD), Central Valley Regional Water Quality Control Board (RWQCB), and the Contra Costa County Flood Control District (CCCFCD) would be considered responsible agencies for the proposed project.

"Trustee agency" means a State agency having jurisdiction by law over natural resources affected by a project, which are held in trust for the people of the State of California. The only known possible trustee agency is the California Department of Fish and Wildlife (CDFW).

1.3 PROJECT SUMMARY

A summary of the project location, setting, and components is provided below. For additional project description details, please refer to Chapter 3, Project Description, of this SEIR.

Project Location and Setting

The approximately 88-acre project site consists of four parcels, identified by Assessor's Parcel Numbers (APNs) 053-072-003, 053-072-025, 053-072-026, and 056-120-095, located in the eastern portion of the ELTSP Area. The parcels that comprise the project site are zoned Specific Plan (S-P) and are designated ELTSP Focus Area by the City's General Plan. According to the ELTSP, the project site is designated as Regional Retail/Employment (CR/E) and Employment Retail (CE). With the exception of the four parcels comprising the proposed project site, the remaining CR/E and CE designated parcels located within the ELTSP Area have either already been developed, or have site constraints that would prevent development from occurring. Currently, the majority of the project site is undeveloped, consisting primarily of non-native vegetation. However, a portion of APN 053-072-003 is currently developed with a single-family residence and associated outbuildings. Surrounding existing land uses include single-family residences to the east and west, commercial uses to the south and southeast, and the Randall-Bold Water Treatment Plant to the north. In addition, the City of Oakley borders the project site to the east, the City of Brentwood borders the site to the southeast, and the East Antioch Creek borders the site to the west.

Project Components

The City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area. Currently, as outlined in Section 9 of the ELTSP, all development within the ELTSP Area requires approval of a PD Rezone by City Council. The City is proposing to no longer require approval of a PD Rezone, and would instead only require a Use Permit and Design Review approval by the City's Planning Commission for commercial development within the CR/E and CE designated parcels of the Specific Plan. The goal of the modification is to streamline commercial development and minimize the need for further CEQA review. The approval process modification would require approval of a Specific Plan Amendment.

It should be noted that while the proposed amendment would affect the entirety of the ELTSP, the amendment would only be applicable to the four parcels comprising the project site, as the remaining CR/E and CE designated parcels located within the ELTSP Area have either already been developed, or have site constraints that would prevent development from occurring.

The proposed project does not include any specific development proposals or new uses. However, approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses. According to the ELTSP, Regional Retail uses are intended to serve a larger market, and are oriented primarily toward clothing, home products, electronics, and other durable goods. Employment uses include a mix of large and small employers, offices, research and development, limited industry, and limited warehousing and distribution.

For the purposes of the analysis included within this SEIR, and in order to minimize future CEQA review for future commercial projects on the project site, buildout assumptions have been made for the four parcels that comprise the site. Based on such, the maximum allowable development of the proposed project would be a total of 1,530,176 square feet (sf), including 317,291 sf on Parcel 1, 683,021 sf on Parcel 2, 113,604 sf on Parcel 3, and 416,259 sf on Parcel 4.

A fully detailed project description is provided in Chapter 3, Project Description, of this SEIR.

1.4 EIR PROCESS

The EIR process begins with the decision by the lead agency to prepare an EIR, either during a preliminary review of a project or at the conclusion of an Initial Study. As discussed above, the project site was originally evaluated in the 1995 ELTSP EIR. Because the proposed project would necessitate only minor changes to the overall analysis contained in the ELTSP EIR, the City, as lead agency, has elected to prepare an SEIR for the proposed project. CEQA Guidelines Section 15163 does not explicitly require a lead agency to issue a Notice of Preparation (NOP) for a SEIR. The City of Antioch has determined that an NOP for the project is not necessary.

Upon completion of the Draft SEIR and prior to circulation to State and local agencies and interested members of the public, a Notice of Completion (NOC) is filed with the State Clearinghouse (SCH) and a public notice of availability is published to inform interested parties that a Draft SEIR is available for agency and public review. In addition, the notice provides information regarding the location where copies of the Draft SEIR are available for public review and any public meetings or hearings that are scheduled. The Draft SEIR is circulated for a minimum period of 45 days, during which time reviewers may submit comments on the document to the lead agency. The lead agency must respond to comments in writing. If significant new information, as defined in CEQA Guidelines Section 15088.5, is added to an SEIR after public

notice of availability is given, but before certification of the SEIR, the revised SEIR or affected chapters must be recirculated for an additional public review period with related comments and responses.

A Final SEIR will be prepared, containing public comments on the Draft SEIR and written responses to those comments, as well as a list of changes to the Draft SEIR text necessitated by public comments, as warranted. The Final SEIR will also include the Mitigation Monitoring and Reporting Program (MMRP) prepared in accordance with PRC Section 21081.6. Before approving a project, the lead agency shall certify that the SEIR (consisting of the Draft SEIR and Final SEIR) has been completed in compliance with CEQA, and that the SEIR has been presented to the decision-making body of the lead agency, which has reviewed and considered the SEIR. The lead agency shall also certify that the SEIR reflects the lead agency's independent judgment and analysis.

The findings prepared by the lead agency must be based on substantial evidence in the administrative record and must include an explanation that bridges the gap between evidence in the record and the conclusions required by CEQA. If the decision-making body elects to proceed with a project that would have unavoidable significant impacts, then a Statement of Overriding Considerations explaining the decision to balance the benefits of the project against unavoidable environmental impacts must be prepared.

1.5 SCOPE OF THE SEIR

Pursuant to the CEQA Guidelines, the SEIR need only contain the information necessary to make the previous EIR adequate for the proposed project as revised. The main purpose of the SEIR will be to provide an environmental analysis of the proposed project as changed since the certification of the previous EIR. Specifically, the SEIR will only evaluate the changes in the project, changes in circumstances, or new information that led to the preparation of the further EIR. Therefore, the focus of the SEIR will be on the potential new or substantially more severe significant impacts caused by such changes that were not evaluated in the prior EIR. Since the approval of the 1995 ELTSP EIR, CEQA Guidelines have been amended. For example, lead agencies must now analyze greenhouse gas (GHG) emissions and energy of proposed projects, and the metric used for measuring transportation impacts is now vehicle miles traveled (VMT). The aforementioned changes to the CEQA Guidelines represent a change in circumstances since the certification of the ELTSP EIR. In addition, the potential exists for species not identified in the 1995 ELTSP EIR to now be present within the project site, which would represent new information leading to the preparation of a further EIR. Accordingly, the sections of the CEQA Guidelines Appendix G Checklist identified for study in this SEIR include the following:

- Biological Resources;
- GHG Emissions and Energy; and
- Transportation.

With the exception of Biological Resources, GHG Emissions and Energy, and Transportation, the remaining chapters of the 1995 ELTSP EIR remain applicable and the associated mitigation measures are still required.

The evaluation of effects is presented on a resource-by-resource basis in Chapters 4.1 through 4.3 of the SEIR. Each chapter is divided into the following four sections: Introduction, Existing Environmental Setting, Regulatory Context, and Impacts and Mitigation Measures. The Impacts and Mitigation Measures section addresses both project-specific and cumulative impacts. Impacts that are determined to be significant in Chapters 4.1, 4.2, and 4.3, and for which feasible mitigation measures are not available to reduce those impacts to a less-than-significant level, are identified as *significant and unavoidable*. Chapter 5 of the SEIR presents a discussion of growth-inducing impacts, a summary of cumulative impacts, and significant irreversible as well as significant and unavoidable environmental changes associated with the project. Alternatives to the proposed project are discussed in Chapter 6 of this SEIR.

1.6 DEFINITION OF BASELINE

According to CEQA Guidelines Section 15125, an EIR must include a description of the existing physical environmental conditions in the vicinity of the project to provide the "baseline physical conditions" against which project-related changes could be compared. In addition, CEQA Guidelines Section 15126.2(a) states that an EIR shall identify and focus on the significant environmental effects of the proposed project. The CEQA Guidelines, Section 15126.2(a), states in pertinent part:

> An EIR shall identify and focus on the significant environmental effects of the proposed project. In assessing the impact of a proposed project on the environment, the lead agency should normally limit its examination to changes in the existing physical conditions in the affected area as they exist at the time the notice of preparation is published, or where no notice of preparation is published, at the time environmental analysis is commenced.

Normally, the baseline condition is the physical condition that exists when the NOP is published. However, because an NOP was not circulated for the proposed project and this SEIR is intended to determine whether the proposed project would result in new significant impacts or a substantial increase in the severity of significant impact(s) previously identified in the 1995 EIR, the environmental baseline in this SEIR consists of the approved 1995 ELTSP project. Therefore, conditions resulting from approval and buildout of the 1995 ELTSP are considered to be the baseline against which changes that would result from the proposed project are evaluated. Impacts could include both direct and indirect physical changes to the baseline condition. The baseline condition for the proposed project site is described in Chapter 3, Project Description, of this SEIR. The baseline conditions pertaining to each resource area are described in the "Existing Environmental Setting" section of the respective chapters of this SEIR.

1.7 DRAFT SEIR AND PUBLIC REVIEW

This Draft SEIR is being circulated for public review and comment for a period of 45 days. During this period, the general public, organizations, and agencies can submit comments to the Lead Agency on the Draft SEIR's accuracy and completeness. Release of the Draft SEIR marks the beginning of a 45-day public review period pursuant to CEQA Guidelines Section 15105. The public can review the Draft SEIR at the City's website at:

> https://www.antiochca.gov/community-development-department/planning-division/environmental-documents/

or at the following address during normal business hours:

City of Antioch Community Development Department
200 H Street
Antioch, CA 94509

Comments may be submitted in written form on the Draft SEIR. All comments or questions regarding the Draft SEIR should be addressed to:

Zoe Merideth, Senior Planner
City of Antioch Community Development Department
P.O. Box 5007
Antioch, CA 94531
(925) 779-7035
zmerideth@antiochca.gov

1.8 ORGANIZATION OF THE DRAFT SEIR

The SEIR is organized into the following sections:

Chapter 1 – Introduction

The Introduction chapter provides an introduction and overview describing the intended use of the Draft SEIR and the review and certification process, as well as summaries of the chapters included in the Draft SEIR.

Chapter 2 – Executive Summary

The Executive Summary chapter summarizes the elements of the project and the environmental impacts that would result from implementation of the proposed project, describes proposed mitigation measures, and indicates the level of significance of impacts after mitigation. In addition, the Executive Summary chapter includes a summary of the project alternatives and areas of known controversy.

Chapter 3 – Project Description

The Project Description chapter provides a detailed description of the proposed project, including the project's location, background information, objectives, and technical characteristics.

Chapter 4.0 – Introduction to the Analysis

The Introduction to the Analysis chapter discusses the levels of significance used in the SEIR and the environmental issues addressed in the SEIR. The chapter also presents the format of the technical chapters.

Chapter 4.1 – Biological Resources

The Biological Resources chapter of the EIR evaluates the biological resources known to occur or potentially occur within the project area. The chapter describes potential impacts to biological resources and identifies measures to eliminate or substantially reduce those impacts to the maximum extent feasible.

Chapter 4.2 – GHG Emissions and Energy

The GHG Emissions and Energy chapter describes the impacts of construction and operation of the proposed project related to global climate change, the potential to result in wasteful, inefficient, or unnecessary consumption of energy, and consistency with applicable State or local plans for

renewable energy. The chapter has been prepared using methodologies and assumptions recommended by the City of Antioch and the BAAQMD.

Chapter 4.3 – Transportation

The Transportation chapter of the SEIR discusses existing transportation conditions within the project area and the proposed project's potential impacts related to VMT.

Chapter 5 – Statutorily Required Sections

The Statutorily Required Sections chapter of the SEIR provides discussions required by CEQA regarding impacts that would result from the proposed project, including a summary of cumulative impacts, potential growth-inducing impacts, significant and unavoidable impacts, and significant irreversible changes to the environment.

Chapter 6 – Alternatives Analysis

The Alternatives Analysis chapter of the SEIR describes and evaluates the alternatives to the proposed project. It should be noted that the alternatives will be analyzed at a level of detail less than that of the proposed project; however, the analyses will include sufficient detail to allow for a meaningful comparison of impacts.

Chapter 7 – EIR Authors and Persons Consulted

The EIR Authors and Persons Consulted chapter of the SEIR lists SEIR and technical report authors who provided technical assistance in the preparation and review of the SEIR.

Chapter 8 – References

The References chapter of the SEIR provides bibliographic information for all references and resources cited.

Appendices

The Appendices include technical reports prepared for the proposed project.

2. Executive Summary

2. EXECUTIVE SUMMARY

2.1 INTRODUCTION

The Executive Summary chapter of this Supplemental EIR (SEIR) provides an overview of the proposed project (see Chapter 3, Project Description, for further details) and provides a table summary of the conclusions of the environmental analysis provided in Chapters 4.1 through 4.3. In addition, the chapter summarizes the alternatives to the proposed project that are described in Chapter 6, Alternatives Analysis, and identifies the Environmentally Superior Alternative. Table 2-2, found at the end of this chapter, contains the environmental impacts associated with the proposed project, the significance of the impacts, the proposed mitigation measures for the impacts, and the significance of the impacts after implementation of the mitigation measures.

2.2 SUMMARY DESCRIPTION OF THE PROPOSED PROJECT

The 87.82-acre project site consists of four parcels, identified by Assessor's Parcel Numbers (APNs) 053-072-003, 053-072-025, 053-072-026, and 056-120-095, located in the eastern portion of the East Lone Tree Specific Plan (ELTSP) Area. The parcels that comprise the project site are zoned Specific Plan (S-P) and are designated East Lone Tree Specific Plan Focus Area by the City's General Plan. According to the ELTSP, the project site is designated as Regional Retail/Employment (CR/E) and Employment Retail (CE).

The City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area. Currently, as outlined in Section 9 of the ELTSP, all development within the ELTSP Area requires approval of a Planned Development (PD) Rezone by City Council. The City is proposing to no longer require approval of a PD Rezone, and would instead only require a Use Permit and Design Review approval by the City's Planning Commission for commercial development within the CR/E and CE designated parcels of the Specific Plan. The goal of the modification is to streamline commercial development and minimize the need for further CEQA review. The approval process modification would require approval of a Specific Plan Amendment by the City of Antioch.

It should be noted that while the proposed amendment would affect the entirety of the ELTSP, the amendment would only be applicable to the four parcels comprising the project site, as the remaining CR/E and CE designated parcels located within the Specific Plan Area have either already been developed, or have site constraints that would prevent development from occurring.

The proposed project does not include any specific development proposals or new uses. However, approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses. Therefore, for the purposes of the analysis included within this SEIR, and in order to minimize future CEQA review for future commercial projects consistent with the CR/E and CE zones of the ELTSP, buildout assumptions have been made for the four parcels that comprise the project site. Buildout assumptions for each parcel are presented in Table 2-1.

Please refer to Chapter 3, Project Description, of this SEIR for a detailed description of the proposed project and entitlements, as well as a full list of the project objectives.

Table 2-1
Buildout Assumptions

Parcel	APN	Acreage	Maximum Allowable Development (sf)
Parcel 1	056-120-095	18.21	317,291
Parcel 2	053-072-026	39.2	683,021
Parcel 3	053-072-003	6.52	113,604
Parcel 4	053-072-025	23.89	416,259
	Total	**87.82**	**1,530,176**

2.3 ENVIRONMENTAL IMPACTS AND PROPOSED AND RECOMMENDED MITIGATION

Under CEQA, a significant effect on the environment is defined as a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project, including land, air, water, mineral, flora, fauna, ambient noise, and objects of historic or aesthetic significance. Mitigation measures must be implemented as part of the proposed project to reduce potential adverse impacts to a less-than-significant level. Such mitigation measures are noted in this SEIR and are found in the following technical chapters: Biological Resources; Greenhouse Gas Emissions and Energy; and Transportation. The mitigation measures presented in the SEIR will form the basis of the Mitigation Monitoring and Reporting Program. Any impact that remains significant after implementation of mitigation measures is considered a significant and unavoidable impact.

A summary of the identified impacts in the technical chapters (Chapters 4.1 through 4.3) of the SEIR is presented in Table 2-2 included at the end of this chapter. In addition, Table 2-2 includes the level of significance of each impact, any mitigation measures required for each impact, and the resulting level of significance after implementation of mitigation measures for each impact.

2.4 SUMMARY OF PROJECT ALTERNATIVES

The following section presents a summary of the alternatives evaluated in this EIR for the proposed project, which include the following:

- No Project (No Build) Alternative; and
- 100 Percent Employment Alternative.

For a more thorough discussion of the project alternatives that were evaluated in this EIR, including the alternatives that were considered but dismissed, please refer to Chapter 6, Alternatives Analysis, of this SEIR.

No Project (No Build) Alternative

As discussed throughout this SEIR, the ELTSP EIR, also known as the Future Urbanization Area #2 (FUA #2) Specific Plan EIR, was previously certified by the City of Antioch City Council in August 1995. The City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area. Currently, as outlined in Section 9 of the ELTSP, all development within the ELTSP Area requires approval of a PD Rezone by City Council. The City is proposing to no longer require approval of a PD Rezone, and would instead only require a Use Permit and Design Review approval by the City's Planning Commission for commercial development within the CR/E and CE designated parcels of the Specific Plan. The

goal of the modification is to streamline commercial development and minimize the need for further CEQA review. The approval process modification would require approval of a Specific Plan Amendment.

It should be noted that while the proposed Specific Plan Amendment would affect the entirety of the ELTSP, the amendment would only be applicable to the four parcels comprising the project site (Assessor's Parcel Numbers [APNs] 053-072-003, 053-072-025, 053-072-026, and 056-120-095), as the remaining CR/E and CE designated parcels located within the Specific Plan Area have either already been developed, or have site constraints that would prevent development from occurring.

As such, in the case of the proposed project, the No Project Alternative could be analyzed under two different scenarios: the No Project (No Build) Alternative and the No Project (Buildout Pursuant to Existing ELTSP) Alternative.

The No Project (Buildout Pursuant to Existing ELTSP) Alternative would still allow for regional retail and/or employment uses to be developed on the project site, which would result in identical impacts as the proposed project. The No Project (No Build) Alternative would result in the continuation of the existing conditions of the project site, which is currently undeveloped, consisting primarily of non-native vegetation, with the exception of APN 053-072-003 which is partially developed with a single-family residence and associated outbuildings. As discussed above, reasonable alternatives to the project must be capable of reducing the magnitude of, or avoiding, identified significant environmental impacts of the proposed project. As such, the no project alternative evaluated within this EIR is the No Project (No Build) Alternative.

The No Project (No Build) Alternative would not fulfill any of the project's objectives. Because changes would not occur to the project site under the No Project (No Build) Alternative, no physical environmental impacts would occur under the Alternative. Thus, the Alternative would result in fewer impacts than the proposed project related to all resource areas evaluated in this SEIR.

100 Percent Employment Alternative

Similar to the proposed project, the 100 Percent Employment Alternative would modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area to no longer require approval of a PD Rezone, and would instead only require a Use Permit and Design Review approval by the City's Planning Commission for commercial development within the CR/E and CE designated parcels of the ELTSP Area. The approval process modification would still require approval of a Specific Plan Amendment. However, whereas the proposed project would allow for a mix of regional retail and employment uses within the project site, the 100 Percent Employment Alternative would consist of buildout of the project site with entirely employment uses. The allowable square footage for each parcel would be the same as the buildout assumptions presented in Table 2-1. The total disturbance area would be identical to the proposed project.

Because the 100 Percent Employment Alternative would still facilitate economic development within the City of Antioch, streamline future commercial project approvals consistent with the ELTSP, and minimize future CEQA review for commercial projects consistent with the ELTSP, all of the project objectives would be fully met under the Alternative.

The 100 Percent Employment Alternative would result in fewer impacts related to GHG emissions and energy and similar impacts related to biological resources and transportation compared to the proposed project.

Environmentally Superior Alternative

An EIR is required to identify the environmentally superior alternative from among the range of reasonable alternatives that are evaluated. The environmentally superior alternative is generally the alternative that would be expected to generate the least amount of significant impacts. Identification of the environmentally superior alternative is an informational procedure and the alternative selected may not be the alternative that best meets the goals or needs of the City. Section 15126(e)(2) of the CEQA Guidelines requires that an environmentally superior alternative be designated and states, "If the environmentally superior alternative is the 'no project' alternative, the EIR shall also identify an environmentally superior alternative among the other alternatives."

The No Project (No Build) Alternative would be considered the environmentally superior alternative, because the project site is assumed to remain in its current condition under the alternative, and, thus, would not be developed. Consequently, the impacts resulting from the proposed project would not occur under the Alternative.

As discussed throughout the Alternatives Analysis Chapter of this SEIR, the 100 Percent Employment Alternative would result in fewer impacts related to GHG emissions and energy and similar impacts related to biological resources and transportation. Therefore, the 100 Percent Employment Alternative would be considered the Environmentally Superior Alternative to the proposed project.

2.5 AREAS OF CONTROVERSY

The CEQA Guidelines, Section 15123(b), require that this SEIR consider areas of controversy known to the lead agency, including issues raised by agencies and the public. The areas of known controversy for the project area relate to the following:

- Biological impacts associated with wildlife and plant habitats;
- Increases in GHG emissions and energy usage;
- Increases in traffic;
- Inadequate emergency access; and
- Safe access to alternative transportation facilities for pedestrians, bicyclists, and transit users.

Table 2-2
Summary of Impacts and Mitigation Measures

Impact		Level of Significance Prior to Mitigation	Mitigation Measures		Level of Significance After Mitigation
4.1 Biological Resources					
4.1-1	Have a substantial adverse effect, either directly or through habitat modifications, on special-status plant species.	S	*4.1-1*	*Prior to the initiation of any future ground-disturbing activities on the project site, the project applicant shall retain a qualified biologist to conduct a planning-level special-status plant survey during the appropriate season to identify the species. Project construction shall not be initiated until the special-status plant survey is completed and mitigation is implemented, if necessary and required prior to starting construction.* *A special-status plant survey report that includes the methods used, survey participants, and associated findings shall be prepared and submitted to the City no more than 30 days following the completion of the final site visit conducted as part of the survey. A record of any special-status plant species identified within the project site during the preconstruction surveys shall be submitted to the CNDDB. If new special-status plant populations are not found on the site during the appropriately timed surveys, additional mitigation is not required. If construction is not started within two years after the special-status plant survey is completed, the City may require additional special-status plant surveys.* *If special-status plants are observed on the site during the survey, the populations shall be avoided to the maximum degree possible during project*	LS

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

Table 2-2
Summary of Impacts and Mitigation Measures

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		development, and a Mitigation and Monitoring Plan shall be prepared detailing the measures to be implemented to avoid the plant population. Measures shall include, but not be limited to, establishment of appropriate buffers during construction, fencing of the population prior to and during construction, and regular monitoring of the preserved population by a biologist during and after construction activities. The Mitigation and Monitoring Plan shall be implemented prior to the initiation of project grading. If the plant populations cannot be avoided, the applicant shall hire a qualified biologist to prepare a seed collection and replanting plan in coordination with the City of Antioch to reduce impacts to the identified special-status plant populations, subject to review and approval by the City of Antioch Community Development Department.	
4.1-2 Have a substantial adverse effect, either directly or through habitat modifications, on special-status wildlife species.	S	*American Badger* *4.1-2(a)* *The project applicant shall retain a qualified biologist to conduct a preconstruction survey to determine the presence or absence of badgers no more than seven days prior to the initiation of any future ground-disturbing activities on the project site. If badgers are not identified, further mitigation is not required. If an active badger den is identified during preconstruction surveys within or immediately adjacent to an area subject to construction, a qualified biologist shall establish a construction-free*	LS

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

Table 2-2
Summary of Impacts and Mitigation Measures

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		buffer of up to 300 feet around the badger den. Once the biologist has determined that the badger has vacated the burrow, the burrow can be collapsed or excavated, and ground disturbance can proceed. Should the burrow be determined to be a natal or reproductive den, and because badgers are known to use multiple burrows in a breeding burrow complex, a biological monitor shall be present on-site during construction activities in the vicinity of the burrows to ensure that the buffer is adequate to avoid direct impact to individuals or natal/reproductive den abandonment. The monitor shall be required to be present until it is determined that the badger young are of an independent age and construction activities would not harm individual badgers. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department. *San Joaquin Kit Fox* *4.1-2(b) A qualified biologist shall conduct preconstruction surveys no more than 14 days prior to site grading to determine the presence or absence of kit fox. If kit fox is not identified during the surveys, further mitigation is not required. If an active kit fox den is identified during preconstruction surveys within or immediately adjacent to an area subject to construction, a qualified biologist shall establish a construction free buffer of up to 300 feet around the*	

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

Table 2-2
Summary of Impacts and Mitigation Measures

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		San Joaquin kit fox den. Once the biologist has determined that the San Joaquin kit fox has vacated the den, the den can be collapsed or excavated, and ground disturbance can proceed. Should the den be determined to be a natal or reproductive den, a biological monitor shall be present on-site during construction activities in the vicinity of the dens to ensure that the buffer is adequate to avoid direct impact to individuals or natal/reproductive den abandonment. The monitor shall be required to be present until it is determined that the young are of an independent age and construction activities would not harm individual San Joaquin kit fox. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department. *Swainson's Hawk* *4.1-2(c)* *Prior to the initiation of any future ground-disturbing activities on the project site that occur during the nesting season (March 15th to September 15th) within a half-mile of a potential nest tree, a qualified biologist shall conduct preconstruction surveys within the construction zones and adjacent lands to identify any nesting pairs of Swainson's hawks within 14 days prior to the onset of ground disturbance. Preconstruction surveys are not required for construction activities located farther than a half-mile from a potential nest tree. Surveys shall follow the*	

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

Table 2-2
Summary of Impacts and Mitigation Measures

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		protocol in the Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (Swainson's Hawk Technical Advisory Committee 2000), including the survey period lengths identified therein. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department. *If active nests are not found during preconstruction surveys, further mitigation is not necessary. If any active nests are discovered in or near proposed construction zones, the qualified biologist shall establish a suitable construction-free buffer around the active nest site. The buffer shall be identified on the ground with flagging or fencing and shall be maintained until the qualified biologist has determined that the young have fledged.* *Western Burrowing Owl* *4.1-2(d)* *Prior to the initiation of any future ground-disturbing activities on the project site, a preconstruction survey for burrowing owls shall be conducted. The CDFG's Staff Report on Burrowing Owl Mitigation (CDFG 2012) states that take avoidance (preconstruction) surveys shall be conducted within 14 days prior to ground disturbance. As burrowing owls may recolonize a site after only a few days, time lapses between project activities trigger subsequent*	

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

Table 2-2
Summary of Impacts and Mitigation Measures

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		take avoidance surveys, including, but not limited to, a final survey conducted within 24 hours prior to ground disturbance to ensure absence of the species. Surveys shall ensure 100 percent visual coverage. The results of the survey shall be submitted to the City of Antioch Community Development Department. *If burrowing owls or fresh sign of burrowing owls are not observed during preconstruction surveys, further mitigation is not required and construction may proceed. If burrowing owls or their recent sign are detected on the site, occupied burrows shall be identified by the monitoring biologist and a construction-free buffer (up to 250 feet) shall be established and maintained until a qualified biologist has determined the burrowing owl has abandoned the burrow.* *White-tailed Kite and Other Nesting Birds and Raptors* *4.1-2(e)* *Prior to the initiation of any future ground-disturbing activities or tree removal on-site during the breeding season (typically between February 1st and August 31st),, the project applicant shall retain a qualified biologist to conduct preconstruction migratory bird and raptor nesting surveys within 14 days prior to the onset of ground disturbance. The nesting migratory bird surveys shall cover the project site and the*	

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Table 2-2
Summary of Impacts and Mitigation Measures

Impact		Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
			raptor nesting surveys shall encompass the site and lands within 250 feet of the site, where accessible. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department. If nesting migratory birds or raptors are not identified during the surveys, further mitigation is not required. *If nesting migratory birds or raptors are identified during the surveys, an appropriate construction-free buffer shall be established. The actual size of the buffer, which would be determined by the qualified biologist, will depend on the species, topography, and type of activity that would occur in the vicinity of the nest. The project buffer shall be monitored periodically by the qualified biologist to ensure compliance. Construction or earth-moving activity shall not occur within the established buffer until determined by a qualified biologist that the young have fledged.*	
4.1-3	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the CDFW or USFWS, or State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.)	LS	*None required.*	N/A

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

Table 2-2
Summary of Impacts and Mitigation Measures

	Impact	Level of Significance Prior to Mitigation		Mitigation Measures	Level of Significance After Mitigation
	through direct removal, filling, hydrological interruption, or other means.				
4.1-4	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.	LS	*None required.*		N/A
4.1-5	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.	S	*4.1-5*	*Prior to any tree removal, an arborist report shall be prepared by a certified arborist and submitted to the City of Antioch Community Development Department for review and approval. In conjunction with submittal of the arborist report, a site plan showing all trees proposed for removal shall be submitted. All trees that are legally removed as part of the proposed project shall be replaced according to the following schedule, to the satisfaction of the City of Antioch Community Development Department:* *1. Each established tree: two 24-inch box trees.* *2. Each mature tree: two 48-inch box trees.* *The locations and sizes of the replacement trees shall be clearly shown on the final landscape plans, which shall be submitted to the City of Antioch Community Development Department for review and*	LS

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Table 2-2
Summary of Impacts and Mitigation Measures

	Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
			approval prior to building permit issuance for any future development within the project site.	
4.1-6	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.	LS	*None required.*	N/A
4.1-7	Cumulative loss of habitat for special-status species.	LCC	*None required.*	N/A
	4.2 Greenhouse Gas Emissions and Energy			
4.2-1	Result in the inefficient or wasteful use of energy, or conflict with a State or local plan for renewable energy or energy efficiency.	LS	*None required.*	N/A
4.2-2	Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.	CC	*4.2-2 The following requirements shall be noted on all future project improvement plans, subject to review and approval by the City of Antioch Community Development Department:* • *Consistent with the BAAQMD's Buildings standard a., natural gas shall be prohibited in any structures proposed within the project site.* • *Consistent with the BAAQMD's Transportation criterion b., future development on the project site shall be constructed to include electric vehicle (EV)*	LCC

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Table 2-2
Summary of Impacts and Mitigation Measures

Impact		Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
			parking spaces consistent with the most recently adopted CALGreen Code Tier 2 off-street EV requirements.	
4.2-3	Result in a cumulatively considerable inefficient or wasteful use of energy or conflict with a State or local plan for renewable energy or energy efficiency.	LS	*None required.*	N/A
4.3 Transportation				
4.3-1	Conflict with a program, plan, ordinance, or policy addressing the circulation system during construction activities.	S	*4.3-1* *Prior to the issuance of any grading and/or building permits for any CR/E or CE designated site within the ELTSP area, the project applicant that is proposing to develop a CR/E or CE designated site shall submit a construction management plan for the applicable site, subject to review and approval by the City Engineer. The requirements within the construction management plan shall include, but are not necessarily limited to, the following elements:* • *Project staging plan to maximize on-site storage of materials and equipment;* • *A set of comprehensive traffic control measures, including scheduling of major truck trips and deliveries to avoid peak hours; lane closure proceedings; signs, cones, and other warning devices for drivers; and designation of construction access routes;*	LS

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

Table 2-2
Summary of Impacts and Mitigation Measures

Impact		Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
			• *Permitted construction hours;* • *Location of construction staging;* • *Identification of parking areas for construction employees, site visitors, and inspectors, including on-site locations; and* • *Provisions for street sweeping to remove construction related debris on public streets.*	
4.3-2	Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.	LS	*None required.*	N/A
4.3-3	Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b).	LS	*None required.*	N/A
4.3-4	Substantially increase hazards to vehicle safety due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment), or result in inadequate emergency access.	LS	*None required.*	N/A

N/A = *Not Applicable*; LS = *Less than Significant*; S = *Significant*; SU = *Significant and Unavoidable; LCC = Less than Cumulatively Considerable; CC = Cumulatively Considerable*

3. Project Description

3. PROJECT DESCRIPTION

3.1 INTRODUCTION

Section 15125 of CEQA Guidelines requires an EIR to include a description of the physical environmental conditions of the project site and the site vicinity, as they exist at the time the Notice of Preparation is published, from a local and regional perspective. Knowledge of the existing environmental setting is critical to the assessment of environmental impacts. However, because an NOP was not circulated for the proposed project and this Supplemental EIR (SEIR) is intended to determine whether the proposed project would result in new significant impacts or a substantial increase in the severity of significant impact(s) previously identified in the 1995 East Lone Tree Specific Plan (ELTSP) EIR (as discussed in further detail below), the CEQA baseline for this SEIR is considered to be buildout of the approved 1995 ELTSP project.

Per CEQA Guidelines Section 15125, the description of the environmental setting shall not be longer than necessary to understand the potential significant effects of the project. Please note that detailed discussions of the existing setting in compliance with CEQA Guidelines Section 15125, specific to each environmental resource area, are included in each corresponding technical chapter of this SEIR.

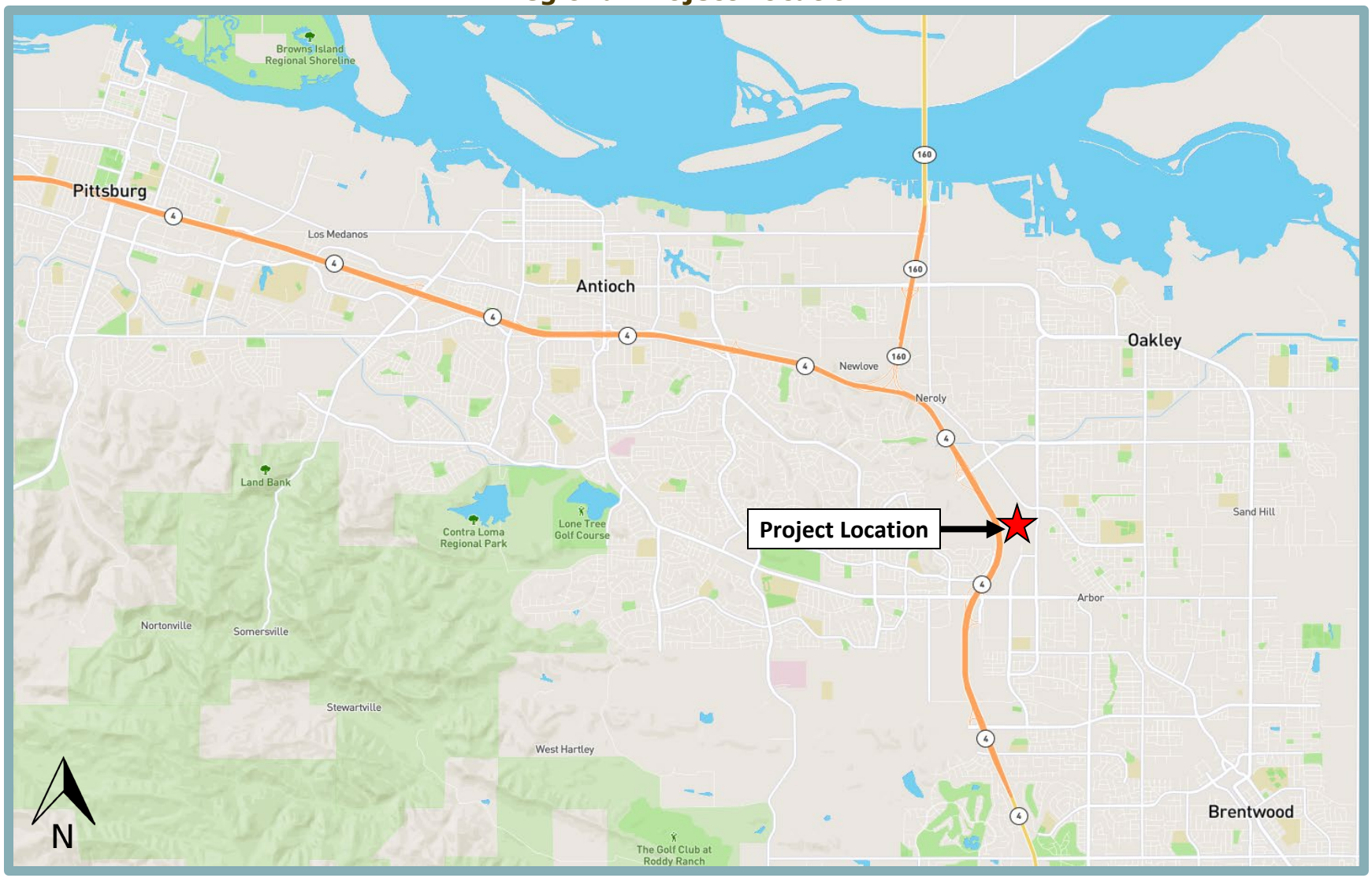
The Project Description chapter of the EIR provides a comprehensive description of the East Lone Tree Specific Plan Project (proposed project) in accordance with CEQA Guidelines Section 15124. A detailed description of the project location, project setting and surrounding land uses, project objectives, project components, and required project approvals is presented below.

3.2 PROJECT BACKGROUND

The ELTSP EIR, also known as the Future Urbanization Area #2 (FUA #2) Specific Plan EIR, was previously certified by the City of Antioch City Council in August 1995. The 785-acre ELTSP Area is located on the eastern edge of Antioch, and is bounded Lone Tree Way to the south, Empire Avenue and Neroly Road to the east, and the Contra Costa Canal to the north (see Figure 3-1). The ELTSP allowed for a mix of employment, commercial, residential uses, and public uses, as well as parks and open space, to be developed within the Specific Plan Area.

In situations when a lead agency has certified an EIR for a project, and then the project is modified, requiring additional environmental review, the lead agency may prepare an Addendum, a Subsequent EIR, or a SEIR. According to Section 15164 of the CEQA Guidelines, a lead agency can prepare an Addendum to a previously certified EIR if some changes or additions to an EIR are necessary, but none of the conditions described in Section 15162 calling for preparation of a SEIR have occurred. The potential exists for proposed changes to the approved 1995 ELTSP project to meet the conditions described in Section 15162. Therefore, the City has decided to take a conservative approach for the proposed project and has assumed that a Supplement to the ELTSP EIR would be the appropriate CEQA document given that the proposed project would likely necessitate minor changes to the overall analysis contained in the ELTSP EIR. Generally, a SEIR is required to evaluate only the changes in the project, changes in circumstances, or new information that led to the preparation of the further EIR.

Figure 3-1
Regional Project Location



3.3 PROJECT SETTING AND LOCATION

The 87.82-acre project site consists of four parcels, identified by Assessor's Parcel Numbers (APNs) 053-072-003, 053-072-025, 053-072-026, and 056-120-095, located in the eastern portion of the ELTSP Area (see Figure 3-2).

The parcels that comprise the project site are zoned Specific Plan (S-P) and are designated East Lone Tree Specific Plan Focus Area by the City's General Plan. According to the ELTSP, the majority of the project site is designated as Regional Retail/Employment (CR/E), and a small portion of the site is designated Employment Retail (CE) (see Figure 3-3). Currently, the majority of the project site is undeveloped, consisting primarily of non-native vegetation. However, a portion of APN 053-072-003 is currently developed with a single-family residence and associated outbuildings. Surrounding existing land uses include single-family residences to the east and west, commercial uses to the south and southeast, and the Randall-Bold Water Treatment Plant and undeveloped lands to the north. In addition, the City of Oakley borders the project site to the east, the City of Brentwood borders the site to the southeast, and the East Antioch Creek borders the site to the west.

3.4 PROJECT OBJECTIVES

The following project objectives have been developed for the proposed project:

1. Facilitate economic development within the City of Antioch.
2. Facilitate commercial development in order to increase employment opportunities within Antioch.
3. Encourage a land use mix in Antioch that supports an economically vibrant and high amenity community.
4. Streamline future commercial project approvals consistent with the ELTSP.
5. Minimize future CEQA review for commercial projects consistent with the ELTSP.

3.5 PROJECT COMPONENTS

The City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area. Currently, as outlined in Section 9 of the ELTSP, all development within the ELTSP Area requires approval of a Planned Development (PD) Rezone by City Council. The City is proposing to no longer require approval of a PD Rezone, and would instead only require a Use Permit and Design Review approval by the City's Planning Commission for commercial development within the CR/E and CE designated parcels of the Specific Plan. The goal of the modification is to streamline commercial development and minimize the need for further CEQA review. The approval process modification would require approval of a Specific Plan Amendment.

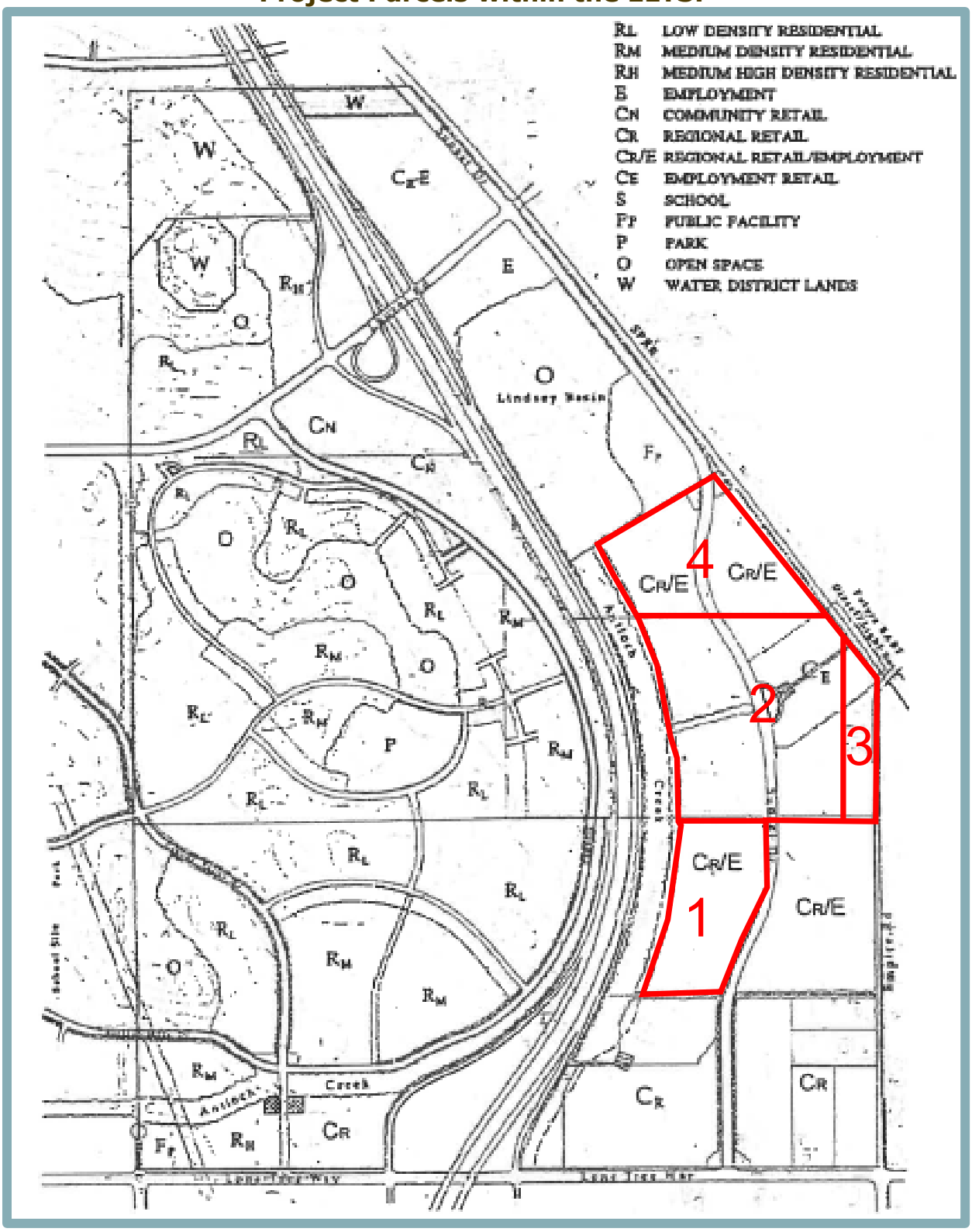
It should be noted that while the proposed amendment would affect the entirety of the ELTSP, the amendment would only be applicable to the four parcels comprising the project site, as the remaining CR/E and CE designated parcels located within the Specific Plan Area have either already been developed, or have site constraints that would prevent development from occurring.

Article 3 and Article 9 of the ELTSP are proposed to be amended as follows:[1]

[1] It should be noted that only the portions of the sections of Article 3 and Article 9 proposed to be revised are included herein.

Figure 3-2
Project Location

Figure 3-3
Project Parcels within the ELTSP



ARTICLE 3: LAND USE

SECTION 3.3: Land Use Districts

All proposed developments within the ELTA shall comply with the procedures set forth in Section E.1 of the Zoning Ordinance for Planned Developments. Each such development shall comply with the land use provisions, design standards, and other elements of this Specific Plan. *(See also Section 3.5 for special land-use provisions relating to several of these districts.)*

- CR/E. Whereas the CR site is reserved for regional retail use only, the ~~two~~ CR/E sites may be developed for regional retail or employment. In addition, the following criteria must be met:
    - A maximum of two drive-throughs will be allowed, per existing parcel, resulting in eight total for the entire area.
    - Automotive uses are not allowed including gas stations, with the exception of regional auto dealerships, which could offer ancillary repair and maintenance services.

- CE Employment Retail. The employment retail district is the place for the restaurants and service providers that the employment center requires to function. It also, however, provides a sense of identity, vitality, and urbanity to what is otherwise a low, spread-out campus of largely internalized workplaces. The design of this retail place should create a human-scaled cluster of activity at the heart of the campus. In addition, the following criteria must be met:
    - A maximum of two drive-throughs will be allowed, per existing parcel, resulting in eight total for the entire area.
    - Automotive uses are not allowed including gas stations, with the exception of regional auto dealerships, which could offer ancillary repair and maintenance services.

SECTION 3.4: Site, Height and Density Criteria

(i) Each site with this designation shall be developed as a single project. While development of each project may be phased, it shall follow a single ~~master~~ plan for the entire site. Development on any portion of a site shall not be approved until an overall ~~master~~ plan is approved for the entire site as part of the required Use Permit and Design Review process. For the purposes of this provision, the term ‘site’ shall be defined as one or more contiguous parcels with the same designation, undivided by streets or other public lands.

SECTION 3.5: Special Provisions

Certain of the districts described in 3.3 are subject to special provisions regarding permitted uses.

- CR Regional Retail. The future construction of the Route 4 Bypass and Laurel Road, and the widening of Lone Tree Way, do create the potential for regional retail development at these two interchanges. However, premature, suboptimal development could destroy this potential, both by precluding the land assembly required for a major regional center, and by degrading the image of the location with low-quality projects.

The four parcel ~~3~~ sites designated CR or CR/E shall each be developed as a single project. While development on a CR or CR/E site may be phased, it shall follow a single plan for the entire site. Development on any portion of a CR or CR/E site shall not be approved until an overall ~~master~~ plan is approved for the entire site as part of the required Use Permit and Design Review process.

Given that it may be several years before ~~the Route 4 Bypass and/or~~ Sunset Drive ~~are~~ is constructed, interim uses may be located in the CR or CR/E designations where planned construction of Sunset Drive will impact the sites. Interim uses are defined as those which are short term in nature, and which do not clearly fit the land use districts as defined in section 3.3. Such interim uses would be subject to use permit approval by the Planning Commission, and all required use permit findings must be made. In addition, the following criteria must be met:

- The use must be determined to be short term in nature, with the duration of the use being tied to the estimated timing for construction of ~~the Route 4 Bypass and/or~~ Sunset Drive.
- Guarantees must be included to ensure the removal of the use at the time specified in the use permit.
- The level of capital investment must be consistent with the short-term nature of the site.

ARTICLE 9: SPECIFIC PLAN ADMINISTRATION

SECTION 9.2: Development Entitlement Process

Planned Development Process:

All developments within the Specific Plan Area are required to go through the Planned Development Review process as determined by Section 23 of the Antioch Municipal Zoning Code. Exceptions to this requirement are identified in Section 9.4 and as described in CR/E and CE section below. The Planned Development ~~This~~ process requires the following major steps:

A. The submittal and approval of a preliminary development plan. While optional under the Zoning Ordinance, this is a requirement of the Specific Plan.

B. The submittal and approval of Planned Development Zoning and a Final Development Plan as specified in the Antioch Municipal Code (Section 23).

C. The submittal and approval of a use permit for each phase of development as specified in the Antioch Municipal Code (Section 27).

All of the discretionary actions required as part of the Final Development Plan process shall include a finding of consistency with the East Lone Tree Specific Plan consistent with State law.

In addition to the submittal requirement identified in the Antioch Municipal Code, for Preliminary and Final Development Plan identified in the Antioch Municipal Code, the following information shall be submitted:

- A cut and fill map showing proposed site grading with the Preliminary Development Plan.

- Conceptual architecture of residential units, including range of unit sizes with the Final Development Plan.

- Streetscape depicting typical mix of "garage forward" and "house forward" units with the Final Development Plan.

- Photo montages or other visual analysis shall be required at the discretion of the Planning Commission with the Preliminary or Final Development Plan.

- A phasing plan identifying the anticipated increments of development and the infrastructure proposed to be constructed as part of each phase.

CR/E Regional Retail/Employment and CE Employment Retail

Development of four parcels designated CR/E and CE (APNs 053-072-003, 053-072-025, 053-072-026, and 056-120-095) shall require a Use Permit and Design Review by the Planning Commission and not the Planned Development process described above. The Use Permit and Design Review process shall be as outlined in Articles 26 and 27 of the Antioch Municipal Code.

SECTION 9.6: Environmental Documentation

The project level Environmental Impact Report (EIR) and Supplemental EIR certified for this Specific Plan are ~~is~~ intended to provide adequate environmental documentation for future projects in the area. This project level EIR and Supplemental EIR are ~~is~~ at a sufficient level of detail to serve as appropriate environmental documentation for subsequent Entitlements, except as noted below. The following policies will guide the determination of need for additional environmental information or if a further environmental determination is needed.

A. An environmental determination will be required for Specific Plan amendments, which may result in a negative declaration or additional EIR work depending on the scope of the amendment as determined by the City.

B. If it is determined that a development proposal will have environmental impacts not originally addressed in the project level EIR or Supplemental EIR, then additional environmental study or mitigation may be required.

C. In cases where the certified EIR and Supplemental EIR for the Specific Plan calls for additional environmental information, this information will be provided as part of the application submittal process.

The proposed project does not include any specific development proposals or new uses. However, approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses. According to the ELTSP, Regional Retail uses are intended to serve a larger market, and are oriented primarily toward clothing, home products, electronics, and other durable goods. Employment uses include a mix of large and small employers, offices, research and development, limited industry, and limited warehousing and distribution.

As discussed above, the majority of the project site is designated as CR/E. According to Section 3.4 of the ELTSP, development allowed under the CR/E zone is required to be built at a maximum floor-area-ratio of 0.4, a maximum height of 35 feet, and would be required to include maximum front and corner, interior, and rear setbacks of 25 feet, 10 feet, and 20 feet, respectively. While a small portion of the site is designated CE, because the majority of the site is designated CR/E, for the purposes of the analysis included within this EIR, and in order to minimize future CEQA review for commercial projects proposed within the project site, buildout assumptions have been made for the four parcels that comprise the site consistent with the CR/E development standards. Buildout assumptions for each parcel are presented in Table 3-1.

Table 3-1
Buildout Assumptions

Parcel	APN	Acreage	Maximum Allowable Development (sf)
Parcel 1	056-120-095	18.21	317,291
Parcel 2	053-072-026	39.2	683,021
Parcel 3	053-072-003	6.52	113,604
Parcel 4	053-072-025	23.89	416,259
	Total	**87.82**	**1,530,176**

It should be noted that ultimate buildout of the project site would be verified by the City as specific development applications for the site come forward in the future.

3.6 PROJECT APPROVALS

The proposed project would require City approval of a Specific Plan Amendment to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP.

4. Existing Environmental Setting, Impacts, and Mitigation

4.0 Introduction to the Analysis

4.0 INTRODUCTION TO THE ANALYSIS

4.0.1 INTRODUCTION

The technical chapters of the Supplemental EIR (SEIR) analyze the potential impacts of buildout of the proposed project on Greenhouse Gas Emissions and Energy, and Transportation. Chapters 4.1 through 4.3 describe the focus of the analysis, references and other data sources for the analysis, the environmental setting related to each specific issue area, project-specific impacts and mitigation measures, and the cumulative impacts of the project for each issue area. The format of each of the technical chapters is described at the end of this chapter. It should be noted that all technical reports are either attached to this SEIR or available at the City by request. In addition, the previously certified East Lone Tree Specific Plan (ELTSP) EIR can be found on the City's website at the following:

https://www.antiochca.gov/community-development-department/planning-division/specific-plans/

4.0.2 DETERMINATION OF SIGNIFICANCE

Under CEQA, a significant effect is defined as a substantial or potentially substantial adverse change in the environment (Public Resources Code Section 21068). The Guidelines implementing CEQA direct that the determination be based on scientific and factual data. The specific criteria for determining the significance of a particular impact are identified within the impact discussion in each chapter and are consistent with significance criteria set forth in the CEQA Guidelines.

Significance Criteria

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial adverse change in any of the physical conditions within the area affected by the project, including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic and aesthetic significance." In addition, the Guidelines state, "An economic or social change by itself shall not be considered a significant effect on the environment. A social or economic change related to a physical change may be considered in determining whether the physical change is significant." (CEQA Guidelines Section 15382).

As presented in Section 4.0.4 below, the level of significance of an impact prior to mitigation is included at the end of each impact discussion throughout the technical chapters of this SEIR. The following levels of significance prior to mitigation are used in this SEIR:

1) Less than Significant: Impacts that may be adverse, but that do not exceed the specified thresholds of significance;
2) Significant: Impacts that exceed the defined standards of significance and require mitigation;
3) Less than Cumulatively Considerable: Where cumulative impacts have been identified, but the project's incremental contribution towards the cumulative impacts would not be considered significant; and

4) Cumulatively Considerable: Where cumulative impacts have been identified and the project's incremental contribution towards the cumulative impacts would be considered significant.

If an impact is determined to be significant or cumulatively considerable, mitigation is included, if available, in order to reduce the specific impact to the maximum extent feasible. A statement of the level of significance of an impact after mitigation is also included in each impact discussion throughout the technical chapters of this SEIR. The following levels of significance after implementation of mitigation are used in the SEIR:

1) Less-than-Significant: Impacts that exceed the defined standards of significance but can be eliminated or reduced to a less-than-significant level through the implementation of feasible mitigation measures;
2) Less than Cumulatively Considerable: Where the project's incremental contribution towards cumulative impacts would be eliminated or reduced to a less than cumulatively considerable level through the implementation of feasible mitigation measures; and
3) Significant and Unavoidable Impact: An impact (project-level or cumulative) that cannot be eliminated or reduced to a less-than-significant or less than cumulatively considerable level through the implementation of feasible mitigations measures.

Each environmental area of analysis uses a distinct set of significance criteria. The significance criteria are identified at the beginning of the Impacts and Mitigation Measures section in each of the technical chapters of this SEIR. Although significance criteria are necessarily different for each resource considered, the provided significance levels ensure consistent evaluation of impacts for all resource areas evaluated.

4.0.3 ENVIRONMENTAL ISSUES ADDRESSED IN THIS SEIR

The EIR provides the analysis necessary to address the technical environmental impacts of the proposed project. The following environmental issues are addressed in separate technical chapters of this SEIR:

- Biological Resources;
- Greenhouse Gas Emissions and Energy; and
- Transportation.

See Section 5.3 of Chapter 5, Statutorily Required Sections, for additional information on the scope of the cumulative impact analysis for each environmental issue addressed in the SEIR.

4.0.4 TECHNICAL CHAPTER FORMAT

Each technical chapter addressing a specific environmental issue begins with an **introduction** describing the purpose of the section. The introduction is followed by a description of the project's **existing environmental setting** as the setting pertains to that particular issue. The setting description is followed by the **regulatory context** and the **impacts and mitigation measures** discussion, which contains the **standards of significance**, followed by the **method of analysis**. The standards of significance section includes references to the specific checklist questions consistent with Appendix G of the CEQA Guidelines. The **impacts and mitigation measures** discussion includes impact statements prefaced by a number in bold-faced type (for both project-level and cumulative analyses). An explanation of each impact and an analysis of the impact's significance follow each impact statement, followed by all mitigation measures pertinent to each

individual impact (see below). The degree of relief provided by identified mitigation measures is also evaluated. An example of the format is shown below.

Project-Specific Impacts and Mitigation Measures

The following discussion of impacts is based on the implementation of the proposed project in comparison with the standards of significance.

4.x-1 Statement of Project-Specific Impact

Discussion of impact for the proposed project in paragraph format.

Statement of ***level of significance*** of impact prior to mitigation is included at the end of each impact discussion. The following levels of significance are used in the SEIR: less than significant, significant, or significant and unavoidable. If an impact is determined to be significant, mitigation will be included in order to reduce the specific impact to the maximum extent feasible. Impacts that cannot be reduced to a less-than-significant level with implementation of all feasible mitigation would be considered to remain significant and unavoidable.

Mitigation Measure(s)

Statement of *level of significance* after the mitigation is included immediately preceding mitigation measures.

4.x-1(a) *Required mitigation measure(s) presented in italics and listed in consecutive order.*

4.x-1(b) *Required additional mitigation measure, if necessary.*

Cumulative Impacts and Mitigation Measures

The following discussion of cumulative impacts is based on implementation of the proposed project in combination with cumulative development within the applicable area or region.

4.x-2 Statement of Cumulative Impact

Discussion of cumulative impacts for the proposed project in paragraph format.

As discussed in detail in Chapter 5, Statutorily Required Sections, of the SEIR, the cumulative setting for the proposed project is generally considered to be development anticipated to occur upon buildout of the Antioch General Plan (i.e., Antioch City limits), as well as buildout of a number of approved or reasonably foreseeable projects within the project region.

Statement of ***level of significance*** of cumulative impact prior to mitigation is included at the end of each impact discussion. The following levels of significance are used in the SEIR for cumulative impacts: less than significant, less than cumulatively considerable, cumulatively considerable, or significant and unavoidable. If an impact is determined to be cumulatively considerable, mitigation will be included in order to reduce the specific impact to the maximum extent feasible. Impacts that cannot be

reduced to a less than cumulatively considerable level with the implementation of all feasible mitigation would be considered to remain significant and unavoidable.

Mitigation Measure(s)

Statement of *level of significance* after the mitigation is included immediately preceding mitigation measures.

4.x-2(a) *Required mitigation measure(s) presented in italics and listed in consecutive order.*

4.x-2(b) *Required additional mitigation measure, if necessary.*

4.1 Biological Resources

4.1 BIOLOGICAL RESOURCES

4.1.1 INTRODUCTION

The Biological Resources chapter of this Supplemental EIR (SEIR) evaluates the biological resources known to occur or potentially occur within the project site and surrounding environs. The chapter describes the proposed project's potential impacts to biological resources and identifies measures to eliminate or substantially reduce impacts to a less-than-significant level. Existing plant communities, wetlands, wildlife habitats, and potential for special-status species and communities are discussed for the project region. The information contained in the analysis is based on the City of Antioch General Plan[1] and associated EIR,[2] the 1995 East Lone Tree Specific Plan (ELTSP) EIR, as well as the results of a California Natural Diversity Database (CNDDB) search conducted by Raney Planning & Management (see Appendix A).[3]

It should be noted that the 1995 ELTSP EIR included an analysis of biological resources. However, given the passage of time since the EIR was certified, the potential exists for new species not identified in the ELTSP EIR to be present within the project site, which would represent new information that led to the preparation of the further EIR. Therefore, the analysis and mitigation measures included herein are intended to update and supersede the analysis and mitigation measures regarding biological resources of the 1995 ELTSP EIR, specifically for the four CR/E and CE designated parcels of the ELTSP area that comprise the project site.

4.1.2 EXISTING ENVIRONMENTAL SETTING

The following sections describe the regional biological setting in which the project site is located, the biological setting of the project site, and the special-status species and sensitive natural communities known to occur within the project site and surrounding environs.

Regional Setting

The project site is located within the City of Antioch, which is situated in eastern Contra Costa County on the eastern perimeter of the San Francisco Bay Area, approximately 50 miles east of San Francisco and 50 miles southwest of the Sacramento. To the north of the City, the Sacramento-San Joaquin River Delta (Delta) flows in an east-to-west direction into the Suisun Bay, whose waters then enter the San Francisco Bay. The Delta supplies two-thirds of the State's drinking water, as well as farmland irrigation water and habitat for fish and wildlife.

Although largely developed with existing urban uses, the City includes a variety of land covers, which potentially provide habitat for various plant and wildlife species. Among the largest of land covers prevalent within the City, annual grassland occurs mostly in the southern and eastern portions of the City's planning area. Similarly, agricultural lands, including hayfields, vineyards, almond orchards, and walnut orchards, are located within and in proximity to the City limits, and small areas of oak woodlands are located in the southern outskirts of the City's planning area.

1 City of Antioch. *City of Antioch General Plan*. Updated November 24, 2003.
2 City of Antioch. *Draft General Plan Update Environmental Impact Report*. July 2003.
3 California Department of Fish and Wildlife. *California Natural Diversity Database: Rarefind Results Summary*. August 2023.

Other habitats within the City's planning area include a small area of scrub habitat located outside the City limits in the southwestern portion of the planning area, and the Antioch Dunes, located along the City's northern boundary, south of the San Joaquin River. With respect to aquatic resources within the region, the City of Antioch contains numerous aquatic habitats, including wetlands; open waters such as the San Joaquin River and natural or man-made lakes, ponds, and reservoirs; and brackish marsh. However, much of the naturally occurring riparian vegetation within the City's planning area has been reduced due to encroachment.

According to the 1995 ELTSP EIR, the habitats within the ELTSP area consist primarily of orchard and agricultural habitats, non-native grassland, and residential/developed areas. It should be noted, however, that since the certification of the 1995 ELTSP EIR, a large portion of the ELTSP area has been developed, and the entirety of the orchard habitats within the ELTSP area have since been removed. Therefore, the habitats that currently exist within the ELTSP area include non-native grassland and developed areas.

Project Setting

The 87.82-acre project site, which is located in the eastern portion of the ELTSP area, is currently undeveloped, consisting primarily of non-native ruderal grassland vegetation, with the exception of a portion of APN 053-072-003, which is currently developed with a single-family residence and associated outbuildings. The project site generally sits at an elevation of 43 feet.

Surrounding existing land uses include single-family residences to the east and west, commercial uses to the south and southeast, and the Randall-Bold Water Treatment Plant and undeveloped lands to the north. In addition, the City of Oakley borders the project site to the east, the City of Brentwood borders the site to the southeast, and the East Antioch Creek borders the site to the west.

Historically, the project site was subject to substantial ground disturbance related to agricultural activities. However, based on aerial imagery of the site, agricultural activities have not occurred on-site since prior to 2004. Currently, the non-native ruderal grassland vegetation on-site is periodically disked.

The following includes a description of the habitat types on-site and within the project vicinity.

Non-Native Ruderal Grassland

Non-native ruderal annual grassland is the most common vegetation type within the City of Antioch. Non-native annual grasslands are generally grazed or abandoned agricultural fields dominated by annual grasses, mustard, and filaree. The most common species of non-native grassland in the Antioch area are wild oats, ripgut brome, yellow star thistle, filaree, and mustards. A few native species that are ruderal or strong competitors, such as fiddleneck, bluedicks, lupine, and owl's clover can persist among the non-native plants. Where the vegetation is thin due to poor or shallow soils, other native species and possibly special-status species can remain.

Urban Development

Urban developed land, including residential, commercial, and industrial development, occupies most of the City of Antioch. Urban developed areas do not provide habitat for native plants. Wildlife tolerant of the disturbance associated with urban and developed areas may use urban areas for foraging, roosting, and nesting. Many of the wildlife species found in urban areas are non-native species. Native wildlife such as Pacific treefrogs, western fence lizards, alligator lizards, mallards,

burrowing owls, barn swallows, Brewer's blackbirds, California scrub jays, myotis bats may also find suitable foraging and breeding habitat in urban areas.

East Antioch Creek

East Antioch Creek flows in a generally northwest direction, eventually emptying into the San Joaquin River 1.5 miles northwest of the City. With the exception of a one-mile reach south of State Route (SR) 4, most of the creek is an aboveground earthen channel. Several detention basins and levees have been built along the creek, and the creek has been subject to prior disturbance associated with improvements and widening in order to allow the creek to contain increased stormwater runoff from urban development within the City.

Special-Status Species

Special-status species are species that have been listed as threatened or endangered under the federal Endangered Species Act (FESA), California Endangered Species Act (CESA), or are of special concern to federal resource agencies, the State, or private conservation organizations. A species may be considered to have special status due to declining populations, vulnerability to habitat change, or restricted distributions. A general description of the criteria and laws pertaining to special-status classifications is described below. Special-status plant and wildlife species may meet one or more of the following criteria:

1. Listed as threatened or endangered, or proposed or candidates for listing by the U.S. Fish and Wildlife Service (USFWS) or National Marine Fisheries Service (NMFS);
2. Listed as threatened or endangered and candidates for listing by the California Department of Fish and Wildlife (CDFW);
3. Identified as Fully Protected species or Species of Special Concern by CDFW;
4. Plant species considered to be rare, threatened, or endangered in California by the California Native Plant Society (CNPS) and CDFW (California Rare Plant Rank [CRPR] 1 and 2):
    a. CRPR 1A: Plants presumed extinct.
    b. CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere.
    c. CRPR 2A: Plants extirpated in California, but common elsewhere.
    d. CRPR 2B: Plants rare, threatened, or endangered in California, but more common elsewhere.

A query of the CNDDB was conducted in August 2023 for historic and recent records of special-status plant and wildlife species known to occur within the project region. Based on the results of the CNDDB records search, a total of 48 special-status plant species and 42 special-status wildlife species have been recorded within the project region. However, most special-status species known to occur, or to once have occurred, in the project region are considered absent from the project site due to the absence of suitable habitat. For instance, several of the listed species require the presence of serpentine soils, inland dunes, or vernal pool and wetland habitat, none of which are provided on the project site. Several other special-status species identified in the CNDDB search are considered unlikely to occur on-site considering that habitats on-site are limited (e.g., grasslands occurring at the margins of developed areas within the City). In addition, some of the special-status species are not known to occur in the project vicinity and/or have not been observed in many decades in the project region. However, the site does provide potential habitat for six special-status plant species and five special-status wildlife species.

Further details of the special-status species with potential to occur within the project site are provided below.

Special-Status Plant Species

The special-status plant species with potential to occur within the project site are discussed in further detail below.

Showy Golden Madia

Showy golden madia is an annual herb that grows approximately 10 to 90 centimeters tall. The bristly, glandular leaves reach up to 10 centimeters long and are often wider at the top of the plant than below. The plant produces flower heads lined with hairy, gland-studded phyllaries, which include golden yellow ray florets up to two centimeters long and a center filled with many disc florets. The fruit is a black achene a few millimeters long with no pappus.

Showy golden madia has occurred in scattered populations in the interior foothills of the South Coast Ranges, found between 80- and 3,700-feet in elevation. Very little information is available for showy golden madia. Only 32 occurrences of showy golden madia have been recorded in the State between 1930 to 1998, and only three occurrences were documented in the previous 10 years. The closest record for showy golden madia occurs 1.4 miles from the project site.

Brewer's Western Flax

Brewer's western flax, a member of the flax family, is an annual herb that grows five to 20 centimeters tall and blooms from May through July. Brewer's western flax is endemic to California, where the species is restricted to the Mount Diablo and adjacent foothills in the east San Francisco Bay Area and to the Vaca Mountains of the southern interior North Coast Ranges. The species occurs below 2,900 feet above sea level.

The brewer's western flax typically grows on rocky soils on serpentine, sandstone, or volcanic substrates, and is associated with grassland, oak woodland, and chaparral communities. The species typically appears in areas with low vegetative cover, such as the transition zone between grassland and chaparral or open areas in chaparral. The closest record for brewer's western flax occurs 1.1 miles from the project site.

Mount Diablo Buckwheat

Mount Diablo buckwheat is a small pink wildflower, believed to have been extinct since 1936 until the species was rediscovered in 2005. The species is only known to occur within Contra Costa County. Mount Diablo buckwheat is an annual plant growing between 5.9 inches and 2.5 feet in height. The species typically blooms from May to June and produces several dozen pinkish flowers, having a maroon line down the center of each petal. The flower stalks branch upward in a wishbone pattern, with flowers blooming at the joint and ends of the wishbone. The plant, an annual wildflower which dies after flowering, is considered critically threatened. The closest record for Mount Diablo buckwheat occurs 2.3 miles from the project site.

Diamond-Petaled California Poppy

Diamond-petaled California poppy is an annual herb that blooms from May to June and produces small yellow flowers, which are four to seven centimeters long, nearly equaling the height of the plants. Most populations of the species that have been reported have been on hillsides, but habitat can vary widely and can include scrub, annual grassland, and nearly barren clay soil habitats from

30 to 3,300 feet in elevation. The closest record for diamond-petaled California poppy occurs 3.5 miles from the project site.

Big Tarplant

Big tar plant is an herbaceous annual that grows to between one and three feet tall. Seedlings appear in early spring, but the plants do not begin to bloom until mid-summer. The blooming period, during which the plants produce many heads with white flowers, generally occurs between August and October. Two species of big tarplant are present in the project region: big tarplant and viscid big tarplant. Viscid big tarplant is the more widely distributed species, ranging throughout most of the south Coast Ranges and reaching its northern limit in Contra Costa County. The two species, which often occur in adjacent populations, can be differentiated by their branching patterns, the amount and color of the simple and glandular hairs on the stems and leaves, the chemical compounds produced by the glands, and by genetic markers. The two species can hybridize, but the hybrids are infertile.

Big tarplant is endemic to the Mount Diablo foothills and is found primarily in eastern Contra Costa, eastern Alameda, and western San Joaquin counties. Big tarplant occurs in annual grassland on clay to clay-loam soils below 1,500 feet. The closest record for big tarplant occurs 3.5 miles from the project site.

Large Flowered Fiddleneck

The large-flowered fiddleneck is a flowering plant that produces bright orange, trumpet-shaped flowers that grow on a fiddleneck-shaped stem. A mature plant can grow up to 36 inches in height and have hundreds of flowers during the species blooming period from March to May.

The plant is only found in California. Historically, the species could be found from northern Contra Costa County at the San Joaquin River Delta to Corral Hollow and adjacent areas in San Joaquin County. Currently, large-flowered fiddleneck is only found in 12 sites across Contra Costa, San Joaquin, and Alameda counties. Large-flowered fiddleneck typically grows on hilly grasslands at lower elevations in clay-rich soil. The species prefers a moderate climate with average seasonal lows in the upper 30s and highs in the lower 90s.The closest record for large flowered fiddleneck occurs 4.5 miles from the project site.

Special-Status Wildlife Species

The special-status wildlife species with potential to occur within the project site are discussed in further detail below.

American Badger

American badger is found in a variety of habitats, especially in open habitats such as oak-savannah and grasslands where the species' presence is typically identified by distinctive, large underground dens (burrows) excavated in friable (loose) soils. The nocturnal mammal is rarely observed during field surveys. When present, the species typically is expected to prey upon Botta's pocket gopher, California ground squirrel, and several species of mice common in the area. Except during breeding, badgers are typically highly solitary and have vast home ranges.

The grasslands on the project site represent suitable habitat for the American badger, and American badger individuals have been observed in the project vicinity. The closest record for American Badger occurs approximately 1.57 miles from the project site.

San Joaquin Kit Fox

Historically, the San Joaquin kit fox was widely distributed throughout grassland, scrubland, and wetland communities in the San Joaquin Valley and adjacent low foothills, but agricultural, urban, and industrial development in the valley, including oil and gas development, led to extensive and continuing loss of native habitat, which is the primary threat to kit foxes. Currently, much of the kit fox's remaining habitat is extremely fragmented, movement corridors are degraded or blocked, and only a few large areas of native grasslands remain on the San Joaquin Valley's perimeter.

Core habitat for the species is defined as annual grassland, alkali grassland, and oak savanna contiguous with grassland. Secondary foraging habitat occurs in agricultural fields and row crops adjacent to grassland areas. Because habitat fragmentation is a significant threat to kit fox, preservation of contiguous habitat is of primary importance.

The project site contains ruderal grassland within the range of the San Joaquin kit fox. In addition, the closest known CNDDB occurrence of the species is approximately 4.4 miles from the project site.

Western Bumble Bee

The western bumble bee is found in open grassy areas, urban parks and gardens, chaparral and shrub areas, and mountain meadows. The species nests underground in abandoned rodent burrows or other cavities. Plants that the species is associated with include ceanothus, thistle, rabbitbrush, geranium, gumplant, lupine, sweetclover, monardella, blackberry, goldenrod, and clover. The annual grassland identified within the project site provides suitable foraging habitat for the species. The closest record for western bumble bee occurs approximately one mile from the project site.

Swainson's Hawk

The Swainson's hawk is generally a summer visitor to California. In the fall months, most Swainson's hawk migrate to South America before returning to the U.S. to breed in the late spring. A small population of Swainson's hawk remain residents in the State year-round. The species inhabits open to semi-open areas at low to middle elevations in valleys, dry meadows, foothills, and level uplands. Swainson's hawk nest almost exclusively in trees and will nest in almost any tree species that is at least 10 feet tall. Nests are constructed in isolated trees that are dead or alive along drainages and in wetlands, or in windbreaks in fields and around farmsteads. Swainson's hawk occasionally nest in shrubs, on telephone poles, and on the ground. In the Central Valley of California, the majority of Swainson's hawk nests and territories are associated with riparian systems, and nests are commonly found in cottonwoods and oaks. The species has also been documented nesting in eucalyptus, black walnut, black locust, almond, Osage orange, Arizona cypress, and pine.

Foraging habitats include alfalfa fields, fallow fields, beet, tomato, and other low-growing row or field crops, dry-land and irrigated pasture, and rice land, when not flooded. The Swainson's hawk generally forages in open habitats with short vegetation containing small mammals, reptiles, birds, and insects. Agricultural areas are often preferred over more natural grassland habitats, due to larger prey populations. In addition, agricultural practices (i.e., planting, maintenance, harvesting, disking) allow for access to prey and very likely increase the foraging success of Swainson's hawk when farm equipment flushes prey during harvesting. During the nesting season, Swainson's hawk usually forage within two miles of their nests.

The project site contains ruderal grassland within the range of Swainson's hawk. In addition, several occurrences of Swainson's hawk have been documented within the project vicinity, the closest of which is located approximately 1.5 miles from the site.

Western Burrowing Owl

Western burrowing owl habitat is usually found in annual and perennial grasslands, characterized by low-growing vegetation. Often, the burrowing owl uses rodent burrows, typically California ground squirrel burrows, for nesting and cover. They may also on occasion dig their own burrows or use manmade objects, such as concrete culverts or rip-rap piles, for cover. The species exhibits high site fidelity, reusing burrows year after year. Occupancy of suitable burrowing owl habitat can be verified at a site by observation of the owls during the spring and summer months or, alternatively, the species' molted feathers, cast pellets, prey remains, eggshell fragments, or excrement (whitewash) at or near a burrow. Burrowing owls typically are not observed in grasslands with tall vegetation or wooded areas because the vegetation obscures their ability to detect avian and terrestrial predators. Because burrowing owls spend the majority of their time sitting at the entrances of their burrows, grazed grasslands seem to be their preferred habitat, as the land cover allows them to view the landscape without obstructions.

The project site contains ruderal grassland that is within the range of western burrowing owl. In addition, multiple occurrences of the species have been recorded within 0.5-mile of the project site.

White-Tailed Kite

The white-tailed kite is typically found foraging in grassland, marsh, or cultivated fields where dense-topped trees or shrubs for nesting and perching occur. The species nests in a wide variety of trees of moderate height and sometimes in tall bushes, such as coyote bush. Native trees used for nesting consist of live and deciduous oaks, willows, cottonwoods, sycamores, maples, toyon, and Monterey cypress. Although the surrounding terrain may be semi-arid, kites often reside near water sources, where prey is more abundant. The particular characteristics of the nesting site do not appear to be as important as the site's proximity to a suitable food source. Kites primarily hunt small mammals, with California meadow voles accounting from between 50 to 100 percent of the species' diet.

The trees associated with East Antioch Creek located adjacent to the site's western boundary provides potential nesting habitat for white-tailed kite. In addition, the nearest CNDDB record for this species is located 0.23-mile from the site.

Trees

The majority of the project site consists of non-native grassland vegetation and is devoid of any trees. However, several trees associated with the existing single-family house on APN 053-072-003 currently exist on-site. In addition, trees are located along East Antioch Creek, adjacent to the site's western boundary.

4.1.3 REGULATORY CONTEXT

A number of federal, State, and local policies provide the regulatory framework that guides the protection of biological resources. The following discussion summarizes those laws that are most relevant to biological resources in the vicinity of the project site.

Federal Regulations

The following are the federal environmental laws and policies relevant to biological resources.

Federal Endangered Species Act

The U.S. Congress passed the FESA in 1973 to protect species that are endangered or threatened with extinction. FESA is intended to operate in conjunction with the National Environmental Policy Act (NEPA) to help protect the ecosystems upon which endangered and threatened species depend. Under the FESA, the Secretary of the Interior and the Secretary of Commerce have joint authority to list a species as threatened or endangered (16 U.S. Code [USC] Section 1533[c]). Two federal agencies oversee the FESA: the USFWS has jurisdiction over plants, wildlife, and resident fish, while the NMFS has jurisdiction over anadromous fish and marine fish and mammals. Section 7 of the FESA mandates that federal agencies consult with the USFWS and NMFS to ensure that federal agency actions do not jeopardize the continued existence of a listed species or destroy or adversely modify critical habitat for listed species.

FESA prohibits the "take" of endangered or threatened wildlife species. "Take" is defined to include harassing, harming, pursuing, hunting, shooting, wounding, killing, trapping, capturing, or collecting wildlife species or any attempt to engage in such conduct (FESA Section 3 [3], [19]). Harm is further defined to include significant habitat modification or degradation that results in death or injury to listed species by significantly impairing behavioral patterns (50 Code of Federal Regulations [CFR] Section 17.3). Harass is defined as actions that create the likelihood of injury to listed species to such an extent as to significantly disrupt normal behavior patterns (50 CFR Section 17.3). Actions that result in take can result in civil or criminal penalties. Section 10 requires the issuance of an "incidental take" permit before any public or private action may be taken that could take an endangered or threatened species. The permit requires preparation and implementation of a habitat conservation plan (HCP) that would offset the take of individuals that may occur, incidental to implementation of a proposed project, by providing for the protection of the affected species.

Pursuant to the requirements of the FESA, a federal agency reviewing a project within the jurisdiction of the agency must determine whether any federally listed threatened or endangered species may be present in the project area and whether the proposed project would have a potentially significant impact on such species. In addition, the agency is required to determine whether the proposed action is likely to jeopardize the continued existence of any species proposed to be listed under FESA or result in the destruction or adverse modification of critical habitat proposed to be designated for such species (16 USC Section 1536[3], [4]).

Migratory Bird Treaty Act

Raptors (birds of prey), migratory birds, and other avian species are protected by a number of State and federal laws. The federal Migratory Bird Treaty Act (MBTA) prohibits the killing, possessing, or trading of migratory birds except in accordance with regulations prescribed by the Secretary of Interior. Section 3503.5 of the California Fish and Game Code (CFGC) states, "It is unlawful to take, possess, or destroy any birds in the order Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by the code or any regulation adopted pursuant thereto."

Clean Water Act

The U.S. Army Corps of Engineers (USACE) regulates discharge of dredged or fill material into waters of the U.S. under Section 404 of the Clean Water Act (CWA). "Discharge of fill material" is

defined as the addition of fill material into Waters of the U.S., including but not limited to the following: placement of fill that is necessary for the construction of any structure, or impoundment requiring rock, sand, dirt, or other material for the construction; site-development fills for recreational, industrial, commercial, residential, and other uses; causeways or road fills; and fill for intake and outfall pipes and sub-aqueous utility lines (33 CFR Section 328.2[f]). In addition, Section 401 of the CWA (Title 33 of USC, Section 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the U.S. to obtain a certification that the discharge will comply with the applicable effluent limitations and water quality standards.

Waters of the U.S. include a range of wet environments such as lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands (if they retain continuous flow to other surface waters), sloughs, and wet meadows. Wetlands are defined as “those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions” (33 CFR Section 328.3[c]).

Furthermore, jurisdictional waters of the U.S. can be defined by exhibiting a defined bed and bank and ordinary high-water mark (OHWM). The OHWM is defined by the USACE as “that line on shore established by the fluctuations of water and indicated by physical character of the soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas” (33 CFR Section 328.3[c][4]).

State Regulations

The following are the State environmental laws and policies relevant to biological resources.

California Department of Fish and Wildlife

CDFW administers a number of laws and programs designed to protect fish and wildlife resources under the CFGC, such as CESA (CFGC Section 2050, et seq.), Fully Protected Species (CFGC Section 3511) and the Lake or Streambed Alteration Agreement (LSAA) Program (CFGC Sections 1600 to 1616). Such regulations are summarized in the following sections.

California Endangered Species Act

The State of California enacted CESA in 1984. CESA is similar to the FESA but pertains to State-listed endangered and threatened species. CESA requires State agencies to consult with CDFW when preparing CEQA documents to ensure that the State lead agency actions do not jeopardize the existence of listed species. CESA directs agencies to consult with CDFW on projects or actions that could affect listed species, directs CDFW to determine whether jeopardy would occur, and allows CDFW to identify “reasonable and prudent alternatives” to the project consistent with conserving the species. Agencies can approve a project that affects a listed species if they determine that “overriding considerations” exist; however, the agencies are prohibited from approving projects that would result in the extinction of a listed species.

For projects that may result in take of State-listed species, CESA directs agencies to consult with CDFW on projects or actions that could affect listed species, directs CDFW to determine whether jeopardy would occur and allows CDFW to identify “reasonable and prudent alternatives” to the project consistent with conserving the species. CESA allows CDFW to authorize exceptions to the State’s prohibition against take of a listed species if the "take" of a listed species is incidental

to carrying out an otherwise lawful project that has been approved under CEQA (CFGC Section 2081).

California Fish and Game Codes

A number of species have been designated "fully protected" species under Sections 5515, 5050, 3511, and 4700 of the CFGC, but are not listed as endangered (Section 2062) or threatened (Section 2067) species under CESA. Except for take related to scientific research, all take of fully protected species is prohibited. The CFGC defines take as "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill" (Section 86).

Birds of prey are protected in California under provisions of the CFGC Section 3503.5, which states, "it is unlawful to take, possess, or destroy any birds in the order Falconiformes or Strigiformes (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted pursuant thereto." Construction disturbance during the breeding season could result in the incidental loss of fertile eggs or nestlings, or otherwise lead to nest abandonment. Disturbance that causes nest abandonment and/or loss of reproductive effort is considered "taking" by CDFW.

Lake or Streambed Alteration Program

The CDFW is responsible for conserving, protecting, and managing California's fish, wildlife, and native plant resources. To meet this responsibility, CFGC Section 1602 requires notification to CDFW of any proposed activity that may substantially modify a river, stream, or lake. Notification is required by any person, business, State or local government agency, or public utility that proposes an activity that would:

- Substantially divert or obstruct the natural flow of any river, stream or lake;
- Substantially change or use any material from the bed, channel, or bank of any river, stream, or lake; or
- Deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake.

For the purposes of Section 1602, rivers, streams, and lakes must flow at least intermittently through a bed or channel. If notification is required and CDFW believes the proposed activity is likely to result in adverse harm to the natural environment, the CDFW will require that the parties enter into a LSAA.

CDFW Species of Special Concern

In addition to formal listings under FESA and CESA, plant and wildlife species receive additional consideration during the CEQA process. Species that may be considered for review are included on a list of "Species of Special Concern" developed by CDFW. Species whose numbers, reproductive success, or habitat may be threatened are tracked by CDFW in California.

Native Plant Protection Act

The Native Plant Protection Act (NPPA) was enacted in 1977 and allows the Fish and Game Commission to designate plants as rare or endangered. Currently 64 species, subspecies, and varieties of plants are protected as rare under the NPPA. The NPPA prohibits take of endangered or rare native plants, but includes some exceptions for agricultural and nursery operations, emergencies, and after properly notifying CDFW for vegetation removal from canals, roads, and other sites, changes in land use, and in certain other situations.

Regional Water Quality Control Board

Any action requiring a CWA Section 404 permit, or a Rivers and Harbors Act Section 10 permit, must also obtain a CWA Section 401 Water Quality Certification. The State of California Water Quality Certification (WQC) Program was formally initiated by the State Water Resources Control Board (SWRCB) in 1990 under the requirements stipulated by Section 401 of the federal CWA. Although the CWA is a federal law, Section 401 of the CWA recognizes that states have the primary authority and responsibility for setting water quality standards. In California, under Section 401, the State and Regional Water Quality Control Boards (RWQCBs) are the authorities that certify that issuance of a federal license or permit does not violate California's water quality standards (i.e., that they do not violate the Porter-Cologne Water Quality Control Act [Porter-Cologne Act, Water Code Section 13000 et seq.] and the Water Code). The WQC Program currently issues the WQC for discharges requiring USACE permits for fill and dredge discharges within waters of the U.S., and also implements the State's wetland protection and hydromodification regulation program under the Porter Cologne Water Quality Control Act.

On April 2, 2019, the SWRCB adopted a State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (Procedures), for inclusion in the forthcoming Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California Plan. The Procedures consist of four major elements: (1) a wetland definition; (2) a framework for determining if a feature that meets the wetland definition is a water of the State; (3) wetland delineation procedures; and (4) procedures for the submittal, review, and approval of applications for WQCs and Waste Discharge Requirements (WDR) for dredge or fill activities. The State Office of Administrative Law (OAL) approved the Procedures on August 28, 2019, and the Procedures became effective May 28, 2020.

Under the Procedures and the State Water Code (Water Code Section 13050[e]), "waters of the State" are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state." Unless excluded by the Procedures, any activity that could result in discharge of dredged or fill material to waters of the State, which includes waters of the U.S. and non-federal waters of the State, requires filing of an application under the Procedures.

The Porter-Cologne Act is California's statutory authority for the protection of water quality in conjunction with the federal CWA. The Porter-Cologne Act requires the SWRCB and RWQCBs under the CWA to adopt and periodically update water quality control plans, or basin plans. Basin plans are plans in which beneficial uses, water quality objectives, and implementation programs are established for each of the nine regions in California. The Porter-Cologne Act also requires dischargers of pollutants or dredged or fill material to notify the RWQCBs of such activities by filing Reports of Waste Discharge and authorizes the SWRCB and RWQCBs to issue and enforce waste discharge requirements, National Pollution Discharge Elimination System (NPDES) permits, Section 401 water quality certifications, or other approvals.

Local Regulations

The following are the local environmental laws and policies relevant to biological resources.

City of Antioch General Plan

The following goals and policies from the City of Antioch General Plan related to biological resources are applicable to the proposed project.

Objective 10.3.1 Maintain, preserve, and acquire open space and its associated natural resources by providing parks for active and passive recreation, trails, and by preserving natural, scenic, and other open space resources.

Policy 10.3.2.e Require proposed development projects containing significant natural resources (e.g. sensitive habitats, habitat linkages, steep slopes, cultural resources, wildland fire hazards, etc.) to prepare Resource Management Plans (RMP) to define appropriate responses to General Plan policies calling for their protection or preservation. The purpose of the RMP is to look beyond the legal status of species at the time the plan is prepared, and provide a long-term plan for conservation and management of the natural communities found onsite. RMP shall accomplish the following.

- Determine the significance of the resources that are found on-site and their relationship to resources in the surrounding area, including habitat linkages and wildlife movement corridors;
- Define areas that are to be maintained in long-term open space based on the significance of on-site resources and their relationship to resources in the surrounding area; and
- Establish mechanisms to ensure the long term protection and management of lands retained in open space.

Objective 10.4.1 Preserve natural streams and habitats supporting rare and endangered species of plants and animals.

Policy 10.4.2.a Comply with the Federal policy of no net loss of wetlands through avoidance and clustered development. Where preservation in place is found not to be feasible (such as where a road crossing cannot be avoided, or where shore stabilization or creation of shoreline trails must encroach into riparian habitats), require 1) on-site replacement of wetland areas, 2) off-site replacement, or 3) restoration of degraded wetland areas at a minimum ratio of one acre of replacement/restoration for each acre of impacted onsite habitat, such that the value of impacted habitat is replaced.

Policy 10.4.2.b Preserve in place and restore existing wetlands and riparian resources along the San Joaquin River and other natural streams in the Planning Area, except where a need for structural flood protection is unavoidable.

Policy 10.4.2.c Require appropriate setbacks adjacent to natural streams to provide adequate buffer areas ensuring the protection of biological resources, including sensitive natural habitat, special-status species habitats and water quality protection.

Policy 10.4.2.d Through the project approval and environmental review processes, require new development projects to protect sensitive habitat areas, including, but not limited to, oak woodlands, vernal pools, and native grasslands. Ensure the preservation in place of habitat areas found to be occupied by State and federally protected species.

- If impacts to sensitive habitat areas are unavoidable, appropriate compensatory mitigation shall be required off-site within eastern Contra Costa County. Such compensatory mitigation shall be implemented through the provisions of a Resources Management Plan (RMP) as described in Policy 10.3.2.e, except where, in the discretion of the Community Development Director, an RMP is not necessary or appropriate due to certain characteristics of the site and the project. Among the factors that are relevant to determining whether an RMP is necessary or appropriate for a given project are the size of the project and the project site, the location of the project (e.g., proximity to existing urban development or open space), the number and sensitivity of biological resources and habitats on the project site, and the nature of the project (e.g., density and intensity of development).
- Where preserved habitat areas occupy areas that would otherwise be graded as part of a development project, facilitate the transfer of allowable density to other, non-sensitive portions of the site.

Policy 10.4.2.e Limit uses within preserve and wilderness areas to resource-dependent activities and other uses compatible with the protection of natural habitats (e.g., passive recreation and public trails).

Policy 10.4.2.f Through the project review process, permit the removal of healthy, mature oak trees on a case-by-case basis only where it is necessary to do so.

Policy 10.4.2.g Preserve heritage trees, require the incorporation of native vegetation, and avoid the introduction of invasive species in the landscape plans for new development.

Policy 10.5.1.c In designing buffer areas, the following criteria shall be considered and provided for (when applicable) within the buffer areas to avoid or mitigate significant impacts.

- Habitat Management: How will proposed development affect habitat values on adjacent open space and resource areas? How will development prevent the spread of introduced animals and plant pests into adjacent open space and resource areas? How will proposed development affect wildlife migration corridors between or within open space and/or resource areas?

City of Antioch Tree Ordinance

According to the City of Antioch's Zoning Ordinance, Article 12: Tree Preservation and Regulation (Section 9-5.1205), tree removal for the proposed project is evaluated as part of the "regular development application process." In deciding whether to approve the removal of a tree, or require its preservation, the City considers whether the tree being evaluated is considered a landmark, indigenous, mature, or established tree. In addition, the City would also evaluate the tree's appearance, species type, and aesthetic compatibility with the proposed project.

The City's Design Requirements under the Subdivision Ordinance (Section 9-4.617), requires the removal of all trees that conflict with grading, utilities, or improvements in the public right-of-way. Therefore, trees within any right-of-way that would conflict with roadway improvements proposed as part of the project must be removed. The trees in which the City authorizes removal, must be replaced. The City's Tree Preservation and Regulation Ordinance (Section 9-5.1205) requires two 24-inch box trees for each established tree, two 48-inch box trees for each mature tree, and the City Council has discretion in determining the appropriate ratio of box tree replacement for any landmark or indigenous trees. The City of Antioch's Tree Ordinance defines six categories of trees:

- An established tree is any tree that is at least ten inches in diameter, at diameter at breast height (DBH). DBH is measured 4.5 feet above natural or finished grade.
- An indigenous tree is a naturally growing tree of the following species: Blue Oak (*Quercus douglasii*), Valley Oak (*Quercus lobata*), Coast Live Oak (*Quercus agrifolia*), Canyon Live Oak (*Quercus chrysolepis*), Interior Live Oak (*Quercus wislizenii*), California Buckeye (*Aesculus californica*), and California Bay (*Umbellularia californica*).
- A landmark tree is any tree that is at least 48 inches in DBH and/or is over 40 feet in height.
- A mature tree is any tree which is at least 26 inches in DBH.
- A street tree is any tree planted within a public right-of-way and/or a tree planting easement.
- A protected tree is any tree required to be preserved as a condition of an approval from a regular development application.

4.1.4 IMPACTS AND MITIGATION MEASURES

The following section describes the standards of significance and methodology used to analyze and determine the proposed project's potential impacts related to biological resources. In addition,

a discussion of the project's impacts, as well as mitigation measures where necessary, is also presented.

Standards of Significance

Consistent with Appendix G of the CEQA Guidelines, the City's General Plan, and professional judgment, a significant impact would occur if the proposed project would result in the following:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS;
- Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the CDFW or USFWS;
- Have a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites;
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; and
- Conflict with the provisions of an adopted HCP, NCCP, or other approved local, regional, or State HCP.

Method of Analysis

The information presented in this chapter is primarily based on a query of the CDFW's CNDDB RareFind 5 application conducted by Raney Planning & Management in August 2023. A list of special-status plant and wildlife species with potential to occur within the project site was developed through the CNDDB query, which included a search of historic and recent records of special-status plant and animal species within the nine-quadrangle region surrounding the project site. All known record locations for special-status species were examined, and the results were compared to the project site location and the existing on-site conditions to determine the potential for such species to occur within the project site. The results of the CNDDB query are included in Appendix A to this SEIR.

Additional information within this chapter was sourced from the adopted City of Antioch General Plan and associated General Plan EIR, as well as the 1995 ELTSP EIR. Determinations of significance are made in this chapter based on the potential of the proposed project to adversely affect biological resources within the project site. As noted above, the 1995 ELTSP EIR included an analysis of biological resources. However, given the passage of time since the EIR was certified, the potential exists for new species not identified in the ELTSP EIR to be present within the project site, which would represent new information that led to the preparation of the further EIR. Therefore, the analysis and mitigation measures included herein are intended to update and supersede the analysis and mitigation measures regarding biological resources of the 1995 ELTSP EIR, specifically for the four CR/E and CE designated parcels of the ELTSP area that comprise the project site.

Project-Specific Impacts and Mitigation Measures

The following discussion of impacts related to biological resources is based on implementation of the proposed project in comparison to existing conditions and the standards of significance presented above.

4.1-1 Have a substantial adverse effect, either directly or through habitat modifications, on special-status plant species. Based on the analysis below and with implementation of mitigation, the impact is *less than significant*.

As discussed above, the site provides potential habitat for six special-status plant species, including the following: showy golden madia; brewer's western flax; Mount Diablo buckwheat; diamond-petaled California poppy; big tarplant; and large flowered fiddleneck.

The proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the ELTSP EIR. However, the City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP area through a Specific Plan Amendment to streamline future development approvals and minimize the need for further CEQA review for development proposals on the CR/E and CE designated parcels. Approval of the proposed Specific Plan Amendment would allow future development of the CR/E and CE designated parcels within the ELTSP area without requiring further CEQA analysis.

Therefore, while the proposed project would not directly result in impacts to special-status plant species, given that the site includes habitat that is suitable for the aforementioned species, future development facilitated by the proposed project could adversely affect special-status plant species should any such species occur on-site at the time of future construction. Therefore, a ***significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

4.1-1 *Prior to the initiation of any future ground-disturbing activities on the project site, the project applicant shall retain a qualified biologist to conduct a planning-level special-status plant survey during the appropriate season to identify the species. Project construction shall not be initiated until the special-status plant survey is completed and mitigation is implemented, if necessary and required prior to starting construction.*

A special-status plant survey report that includes the methods used, survey participants, and associated findings shall be prepared and submitted to the City no more than 30 days following the completion of the final site visit conducted as part of the survey. A record of any special-status plant species identified within the project site during the preconstruction surveys shall be submitted to the CNDDB. If new

special-status plant populations are not found on the site during the appropriately timed surveys, additional mitigation is not required. If construction is not started within two years after the special-status plant survey is completed, the City may require additional special-status plant surveys.

If special-status plants are observed on the site during the survey, the populations shall be avoided to the maximum degree possible during project development, and a Mitigation and Monitoring Plan shall be prepared detailing the measures to be implemented to avoid the plant population. Measures shall include, but not be limited to, establishment of appropriate buffers during construction, fencing of the population prior to and during construction, and regular monitoring of the preserved population by a biologist during and after construction activities. The Mitigation and Monitoring Plan shall be implemented prior to the initiation of project grading. If the plant populations cannot be avoided, the applicant shall hire a qualified biologist to prepare a seed collection and replanting plan in coordination with the City of Antioch to reduce impacts to the identified special-status plant populations, subject to review and approval by the City of Antioch Community Development Department.

4.1-2 Have a substantial adverse effect, either directly or through habitat modifications, on special-status wildlife species. Based on the analysis below and with implementation of mitigation, the impact is *less than significant*.

The proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the ELTSP EIR. However, the City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP area through a Specific Plan Amendment to streamline future development approvals the CR/E and CE designated parcels and minimize the need for further CEQA review. Approval of the proposed Specific Plan Amendment would allow future development of the CR/E and CE designated parcels within the ELTSP area without requiring further CEQA analysis.

Therefore, while the proposed project would not directly result in impacts to special-status wildlife species, given that the site includes habitat that is suitable for certain special-status wildlife species, future development facilitated by the proposed project could adversely affect special-status wildlife species should any such species occur on-site at the time of future construction.

The following discussion includes an analysis of potential impacts to special-status species that could occur with future development of the project site.

American Badger

American badger is found in a variety of habitats, especially in open habitats such as oak-savannah and grasslands where the species' presence is typically identified by distinctive, large underground dens (burrows) excavated in friable (loose) soils. As

discussed above, suitable habitat for the American badger occurs on-site, and according to the results of the CNDDB search, American badger individuals have been observed in the project vicinity. Therefore, while the proposed project would not directly result in impacts to American badger, should badgers occur on-site at the time of construction, the proposed project could result in the mortality of individuals of the species, which would constitute a significant impact under CEQA.

San Joaquin Kit Fox

The project site's non-native ruderal grassland could potentially accommodate San Joaquin kit fox, whose core habitat is defined as annual grassland, alkali grassland, and oak savanna contiguous with grassland, with secondary foraging habitat occurring in agricultural fields and row crops adjacent to grassland areas. Therefore, should the species occupy the site prior to construction associated with future development facilitated by the proposed project, a significant impact could occur.

Western Bumble Bee

The western bumble bee nests underground, or in or under organic material on the ground, and the essential habitat characteristic for the bees is the presence of abundant flower resources of reasonably high species diversity, such that foraging opportunities occur throughout the entire season of activity.

The project site currently consists of non-native ruderal grassland, with the exception of a single-family residence and associated outbuildings located on a small portion of the site, and is primarily surrounded by existing development. Abundant flower resources of reasonably high species diversity do not exist within the project site. Thus, the potential for the western bumble bee to nest within the project site is low, and the proposed project would not have a substantial adverse effect, either directly or through habitat modifications, on western bumble bee.

Swainson's Hawk

As previously discussed, the Swainson's hawk generally forages in open habitats comprised of short vegetation. Thus, the project site's ruderal grassland provides suitable foraging habitat for the species. In addition, several documented sightings of the hawk have occurred within a 10-mile radius of the project site, with the closest observation being within 1.5 miles of the site. Therefore, the Swainson's hawk is known to nest and forage within the area, and has the potential to occur on-site. Should the species be nesting in the trees on-site or within the project vicinity, future development facilitated by the proposed project could lead to the incidental loss of fertile eggs or nestlings, or otherwise lead to nest abandonment, resulting in a significant impact to the Swainson's hawk.

Western Burrowing Owl

The project site contains ruderal grassland that is within the range of western burrowing owl. As previously discussed, burrowing owl habitat is usually found in annual and perennial grasslands, characterized by low-growing vegetation. Thus, the site provides suitable habitat to accommodate the species. In addition, several documented sightings of the owl have occurred within a 10-mile radius of the project site, with the closest observation being within 0.5-mile of the site. Therefore, the

western burrowing owl is known to be present within the project site vicinity, and has the potential to occur on-site.

Should site preparation or grading activities associated with future development of the site occur during nesting season for the species (February 1 through August 31), nests and nestlings that may be present would likely be destroyed. Overwintering burrowing owls may also be buried in their roost burrows outside of the nesting season (September 1 through January 31). Any actions related to site development that result in the mortality of burrowing owls would constitute a violation of the federal MBTA and provisions of the CFGC and would constitute a significant impact under CEQA.

White-tailed Kite and Other Nesting Birds and Raptors

The vegetation communities within the project site provide suitable nesting habitat to accommodate white-tailed kite and other nesting birds and raptors protected under the MBTA and CGFC. For example, the on-site trees associated with the single-family house on-site provide potential nesting habitat for white-tailed kite, which nest in a wide variety of trees of moderate height and sometimes in tall bushes. In addition, the on-site grassland provides potential foraging habitat for the species, which is typically found foraging in grassland, marsh, or cultivated fields where dense-topped trees or shrubs for nesting and perching occur. Similarly, the foregoing areas could also be used for nesting and foraging by other nesting bird and raptor species protected under the MBTA and CFGC.

Should white-tailed kite and other birds and raptors be nesting in or adjacent to areas proposed for disturbance as part of future development associated with the proposed project, the proposed project could lead to the incidental loss of fertile eggs or nestlings, or otherwise lead to nest abandonment, resulting in a significant impact.

Conclusion

Based on the above, the proposed project could have a substantial adverse effect, either directly or through habitat modifications, on American badger, San Joaquin kit fox, Swainson's hawk, western burrowing owl, white tailed kite, and other nesting songbirds and raptor species protected under the MBTA and CFGC. Thus, a ***significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

American Badger

4.1-2(a) *The project applicant shall retain a qualified biologist to conduct a preconstruction survey to determine the presence or absence of badgers no more than seven days prior to the initiation of any future ground-disturbing activities on the project site. If badgers are not identified, further mitigation is not required. If an active badger den is identified during preconstruction surveys within or immediately adjacent to an area subject to construction, a qualified biologist shall establish a construction-free buffer of up to 300 feet around the badger den. Once the biologist has determined that the badger has vacated the burrow,*

the burrow can be collapsed or excavated, and ground disturbance can proceed. Should the burrow be determined to be a natal or reproductive den, and because badgers are known to use multiple burrows in a breeding burrow complex, a biological monitor shall be present on-site during construction activities in the vicinity of the burrows to ensure that the buffer is adequate to avoid direct impact to individuals or natal/reproductive den abandonment. The monitor shall be required to be present until it is determined that the badger young are of an independent age and construction activities would not harm individual badgers. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department.

San Joaquin Kit Fox

4.1-2(b) *A qualified biologist shall conduct preconstruction surveys no more than 14 days prior to site grading to determine the presence or absence of kit fox. If kit fox is not identified during the surveys, further mitigation is not required. If an active kit fox den is identified during preconstruction surveys within or immediately adjacent to an area subject to construction, a qualified biologist shall establish a construction free buffer of up to 300 feet around the San Joaquin kit fox den. Once the biologist has determined that the San Joaquin kit fox has vacated the den, the den can be collapsed or excavated, and ground disturbance can proceed. Should the den be determined to be a natal or reproductive den, a biological monitor shall be present on-site during construction activities in the vicinity of the dens to ensure that the buffer is adequate to avoid direct impact to individuals or natal/reproductive den abandonment. The monitor shall be required to be present until it is determined that the young are of an independent age and construction activities would not harm individual San Joaquin kit fox. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department.*

Swainson's Hawk

4.1-2(c) *Prior to the initiation of any future ground-disturbing activities on the project site that occur during the nesting season (March 15th to September 15th) within a half-mile of a potential nest tree, a qualified biologist shall conduct preconstruction surveys within the construction zones and adjacent lands to identify any nesting pairs of Swainson's hawks within 14 days prior to the onset of ground disturbance. Preconstruction surveys are not required for construction activities located farther than a half-mile from a potential nest tree. Surveys shall follow the protocol in the Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (Swainson's Hawk Technical Advisory Committee 2000), including the survey period lengths identified therein. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department.*

If active nests are not found during preconstruction surveys, further mitigation is not necessary. If any active nests are discovered in or near proposed construction zones, the qualified biologist shall establish a suitable construction-free buffer around the active nest site. The buffer shall be identified on the ground with flagging or fencing and shall be maintained until the qualified biologist has determined that the young have fledged.

Western Burrowing Owl

4.1-2(d) *Prior to the initiation of any future ground-disturbing activities on the project site, a preconstruction survey for burrowing owls shall be conducted. The CDFG's Staff Report on Burrowing Owl Mitigation (CDFG 2012) states that take avoidance (preconstruction) surveys shall be conducted within 14 days prior to ground disturbance. As burrowing owls may recolonize a site after only a few days, time lapses between project activities trigger subsequent take avoidance surveys, including, but not limited to, a final survey conducted within 24 hours prior to ground disturbance to ensure absence of the species. Surveys shall ensure 100 percent visual coverage. The results of the survey shall be submitted to the City of Antioch Community Development Department.*

If burrowing owls or fresh sign of burrowing owls are not observed during preconstruction surveys, further mitigation is not required and construction may proceed. If burrowing owls or their recent sign are detected on the site, occupied burrows shall be identified by the monitoring biologist and a construction-free buffer (up to 250 feet) shall be established and maintained until a qualified biologist has determined the burrowing owl has abandoned the burrow.

White-tailed Kite and Other Nesting Birds and Raptors

4.1-2(e) *Prior to the initiation of any future ground-disturbing activities or tree removal on-site during the breeding season (typically between February 1st and August 31st), the project applicant shall retain a qualified biologist to conduct preconstruction migratory bird and raptor nesting surveys within 14 days prior to the onset of ground disturbance. The nesting migratory bird surveys shall cover the project site and the raptor nesting surveys shall encompass the site and lands within 250 feet of the site, where accessible. A written summary of the survey results shall be submitted to the City of Antioch Community Development Department. If nesting migratory birds or raptors are not identified during the surveys, further mitigation is not required.*

If nesting migratory birds or raptors are identified during the surveys, an appropriate construction-free buffer shall be established. The actual size of the buffer, which would be determined by the qualified biologist, will depend on the species, topography, and type of activity that would occur in the vicinity of the nest. The project buffer shall be monitored periodically by the qualified biologist to ensure compliance.

Construction or earth-moving activity shall not occur within the established buffer until determined by a qualified biologist that the young have fledged.

4.1-3 Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the CDFW or USFWS, or State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means. Based on the analysis below, the impact is *less than significant*.

Sensitive natural communities are communities that are of limited distribution, distinguished by significant biological diversity, or home to special-status species. Examples of sensitive natural communities in the vicinity of the project area include various types of aquatic and riparian habitat, such as East Antioch Creek. Riparian habitats are lands that occur along watercourses and water bodies, with typical examples including streambanks and floodplains. Riparian habitats are distinctly different from surrounding lands, due to a riparian habitat's unique soil and vegetation characteristics, which are strongly influenced by the presence of water. Similarly, jurisdictional waters are rivers, creeks, drainages, lakes, ponds, reservoirs, and wetlands that are subject to the authority of the USACE, CDFW, and/or the RWQCB.

The project site is currently undeveloped, consisting primarily of non-native ruderal grassland vegetation, with the exception of a portion of APN 053-072-003, which is currently developed with a single-family residence and associated outbuildings. Therefore, sensitive natural communities are absent from the project site. The nearest sensitive natural community is the East Antioch Creek, located outside of the project site's western boundary. The project site is separated from East Antioch Creek by a minimum distance of 125 feet. In addition, the area between East Antioch Creek and the project site contains two access roads, as well as a chain-link fence. Therefore, the proposed project is not expected to adversely affect any sensitive natural communities associated with the East Antioch Creek or the creeks adjacent banks.

Based on the above, the proposed project would not have a substantial adverse effect on any riparian habitat or other sensitive natural community, or on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means, and a ***less-than-significant*** impact would occur.

Mitigation Measure(s)
None required.

4.1-4 Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or

impede the use of native wildlife nursery sites. Based on the analysis below, the impact is *less than significant*.

Wildlife corridors link areas of suitable wildlife habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbance. The fragmentation of open space areas by urbanization creates isolated "islands" of wildlife habitat. Fragmentation also occurs when a portion of one or more habitats is converted into another habitat, such as when woodland or scrub habitat is altered or converted into grasslands after a disturbance, such as fire, mudslide, or grading activities. Wildlife corridors mitigate the effects of fragmentation by (1) allowing animals to move between remaining habitats, thereby permitting depleted populations to be replenished and promoting genetic exchange; (2) providing escape routes from fire, predators, and human disturbances, thereby reducing the risk of catastrophic events (such as fire or disease) on population or local species extinction; and (3) serving as travel routes for individual animals as they move within their home ranges in search of food, water, mates, and other needs.

The project area does not fall within an Essential Habitat Connectivity area mapped by the CDFW. In addition, the project site is located within an urbanized area of the City and is isolated from regional open spaces. Therefore, the site does not have regional wildlife corridor value to terrestrial mammals, and has minimal habitat that could be used by some migrating avian species.

As discussed above, East Antioch Creek runs outside of the western boundary of the project site. East Antioch Creek may serve as a local movement corridor for mammals, amphibians, and reptiles to move unobtrusively through the general geographic area. Animals moving along East Antioch Creek may potentially leave the creek and enter the project site to move across the landscape, though such movement is unlikely due to the developed nature of the project area. Animals expected to migrate along the Creek and possibly enter the upland areas of the project site are common species such as raccoons, skunks, and rodents. However, such mammals would be able to navigate around the project site even after the site is developed. In addition, the project site is separated from East Antioch Creek by a minimum distance of 125 feet, and the area between East Antioch Creek and the project site contains two access roads, as well as a chain-link fence. Therefore, the proposed project is not expected to adversely affect any sensitive natural communities that might be located within East Antioch Creek or the creeks adjacent banks. As such, the wildlife corridor values of the creek channel would remain intact.

Based on the above, the proposed project would not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites. Therefore, a ***less-than-significant*** impact would occur.

Mitigation Measure(s)
None required.

4.1-5 Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or

ordinance. Based on the analysis below and with implementation of mitigation, the impact is *less than significant*.

According to the City's Tree Preservation and Regulation Ordinance (Section 9-5.1205), tree removal is evaluated as part of the "regular development application process." In deciding whether to approve the removal of a tree, or require its preservation, the City considers whether the tree being evaluated is considered a landmark, indigenous, mature, or established tree. In addition, the City would evaluate the tree's appearance, species type, and aesthetic compatibility with the proposed project. As discussed above, the City of Antioch's Tree Preservation and Regulation Ordinance defines six categories of trees.

The City's Tree Preservation and Regulation Ordinance requires two 24-inch box trees to replace the removal of each established tree, two 48-inch box trees for removal of each mature tree, and the City Council has discretion in determining the appropriate ratio of box tree replacement for the removal of any landmark or indigenous trees.

A tree inventory has not yet been conducted by a qualified arborist for the project site. The proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the ELTSP EIR. However, approval of the proposed Specific Plan Amendment would allow future development of the project site with uses allowed within the CR/E and CE zones, without requiring further CEQA analysis.

Therefore, while the proposed project would not directly result in the removal of any trees, if future development facilitated by the proposed project is anticipated to result in the removal of any on-site trees that are determined to meet the tree criteria established in Section 9-5.1205 of the City's Municipal Code, a permit for removal may be required. Should the project applicant fail to comply with the requirements noted above, the proposed project could conflict with local policies or ordinances protecting biological resources, including Section 9-5.1205 of the City's Municipal Code, and a ***significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

4.1-5 *Prior to any tree removal, an arborist report shall be prepared by a certified arborist and submitted to the City of Antioch Community Development Department for review and approval. In conjunction with submittal of the arborist report, a site plan showing all trees proposed for removal shall be submitted. All trees that are legally removed as part of the proposed project shall be replaced according to the following schedule, to the satisfaction of the City of Antioch Community Development Department:*

1. *Each established tree: two 24-inch box trees.*
2. *Each mature tree: two 48-inch box trees.*

The locations and sizes of the replacement trees shall be clearly shown on the final landscape plans, which shall be submitted to the City of Antioch Community Development Department for review and approval prior to building permit issuance for any future development within the project site.

4.1-6 Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. Based on the analysis below, the impact is *less than significant*.

In July 2007, the East Contra Costa County (ECCC) Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP) was adopted by Contra Costa County, other member cities, the USFWS, and the CDFW. The City of Antioch, however, declined to participate in the HCP/NCCP. While the City is currently considering drafting a new HCP/NCCP, the document has not yet been finalized or adopted. Therefore, the project site is not located in an area with an approved HCP/NCCP, or local, regional, or State habitat conservation plan.

Based on the above, the proposed project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan, and a ***less-than-significant*** impact would occur.

Mitigation Measure(s)

None required.

Cumulative Impacts and Mitigation Measures

As defined in Section 15355 of the CEQA Guidelines, “cumulative impacts” refers to two or more individual effects which, when considered together, are considerable, compound, or increase other environmental impacts. The individual effects may be changes resulting from a single project or a number of separate projects. The cumulative impact from several projects is the change in the environment that results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects.

The geographic scope for the cumulative biological resources analysis generally includes buildout of the City of Antioch General Plan planning area in accordance with adopted land uses. For further details related to the cumulative setting of the proposed project, refer to Chapter 6, Statutorily Required Sections, of this SEIR.

It should also be noted that cumulative impacts associated with buildout of the ELTSP were previously analyzed as part of the ELTSP EIR. In addition, buildout of the ELTSP was previously anticipated by the City, and generally analyzed within the City of Antioch General Plan EIR.

4.1-7 Cumulative loss of habitat for special-status species. Based on the analysis below, the project's incremental contribution to the significant cumulative impact is *less than cumulatively considerable*.

According to the City's General Plan EIR, General Plan buildout would result in development within and adjacent to large areas of undeveloped land that currently contain sensitive biological resources. Implementation of General Plan policies would reduce potential impacts of the proposed project on biological resources to less than significant levels. In addition, the City's General Plan EIR noted that plans for cumulative development within Contra Costa County are anticipated to preserve sensitive biological resources, where possible, pursuant to the General Plan policies adopted by Contra Costa County and cities within the County. Impacts to sensitive resources and species would also be mitigated according to agreements between project applicants and federal and State regulatory agencies. However, the General Plan EIR noted that buildout of the General Plan would cumulatively result in the loss of biological resources and wildlife habitat, and that most mitigation programs do not fully replicate the complex ecological relationships that exist in the natural habitat areas that are anticipated for development. Therefore, even though local impacts would be mitigated to a less than significant level, the City's General Plan EIR concluded that buildout of the General Plan would result in a substantial regional cumulative impact on biological resources.

As discussed above, the majority of the project site includes ruderal herbaceous land cover, which has been previously used as agricultural land and is periodically disked. While the proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the ELTSP EIR, future development of the project site with uses allowed within the CR/E and CE zones would result in the conversion of the project site to urban uses.

However, ruderal herbaceous land is not considered sensitive wildlife habitat. In addition, this chapter sets forth mitigation measures to ensure all potential project-specific impacts that would occur to biological resources are reduced to a less-than-significant level. For instance, Mitigation Measures 4.1-1, and 4.1-2(a) through 4.1-2(e), above would reduce any potential impacts to special-status plant and wildlife species to a less-than-significant level. Furthermore, Mitigation Measure 4.1-5 would ensure that future tree removal would not conflict with the City's Tree Preservation and Regulation Ordinance (Section 9-5.1205 of the City of Antioch Municipal Code). Overall, the mitigation measures set forth herein address all potential project-specific impacts to biological resources associated with the proposed project. As such, the proposed project would not result in substantial adverse effects to biological resources protected by CEQA.

Further, CEQA Guidelines Section 15064(h)(5), states, "[…] the mere existence of significant cumulative impacts caused by other projects alone shall not constitute substantial evidence that the proposed project's incremental effects are cumulatively considerable." Therefore, even where cumulative impacts are significant, any level of incremental contribution is not necessarily deemed cumulatively considerable.

In addition, the courts have explicitly rejected the notion that a finding of significance is required simply because a proposed project would result in a net loss of habitat. "[M]itigation need not account for every square foot of impacted habitat to be adequate. What matters is that the unmitigated impact is no longer significant," (*Save Panoche Valley v. San Benito County* [2013] 217 Cal.App.4th 503, 528, quoting *Banning Ranch Conservancy v. City of Newport Beach* [2012] 211 Cal.App.4th 1209, 1233).

The above discussion provides substantial evidence that, while the combined effects on biological resources resulting from approved/planned development throughout the City of Antioch could be considered significant, the proposed project's incremental contribution to the significant cumulative effect would be reduced with implementation of the mitigation measures required in this EIR. Additionally, the majority of the habitat that would be developed as a result of the proposed project is not considered sensitive wildlife habitat, and the aforementioned mitigation measures would ensure that all project-specific impacts to sensitive biological resources are reduced to a less-than-significant level. Furthermore, similar to the proposed project, future development projects throughout the project region would be required to implement project-specific mitigation to ensure any potential impacts to biological resources are reduced to a less-than-significant level, where possible.

Based on the above, the proposed project's incremental contribution to the cumulative impact would be ***less than cumulatively considerable***.

Mitigation Measure(s)

None required.

4.2 Greenhouse Gas Emissions and Energy

4.2 GREENHOUSE GAS EMISSIONS AND ENERGY

4.2.1 INTRODUCTION

The Greenhouse Gas Emissions and Energy chapter of this Supplemental EIR (SEIR) describes the potential impacts of the proposed project related to greenhouse gas (GHG) emissions, climate change, and energy. The chapter includes a discussion of the existing GHG and energy setting, the existing regulatory setting, potential GHG and energy impacts resulting from implementation of the project, and mitigation measures warranted to reduce or eliminate any identified significant impacts. The chapter is primarily based on information and guidance within the Bay Area Air Quality Management District's (BAAQMD's) CEQA Air Quality Guidelines (Air Quality Guidelines),[1] as well as the City of Antioch General Plan[2] and associated EIR,[3] the City's Community Climate Action Plan (CCAP),[4] and the City's Climate Action and Resilience Plan (CARP).[5] In addition, the results of the air quality modeling prepared by Raney Planning & Management for this analysis are included as Appendix B.

4.2.2 EXISTING ENVIRONMENTAL SETTING

The following information provides an overview of the existing environmental setting in relation to GHG emissions and energy consumption within the project area.

Background on GHG Emissions

GHGs are gases that absorb and emit radiation within the thermal infrared range, trapping heat in the earth's atmosphere. Some GHGs occur naturally and are emitted into the atmosphere through both natural processes and human activities. Other GHGs are created and emitted solely through human activities. The principal GHGs that enter the atmosphere due to human activities are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated carbons. Other common GHGs include water vapor, ozone, and aerosols. Since the beginning of the Industrial Revolution, global atmospheric concentrations of GHGs have increased due to human activities such as the burning of fossil fuels, clearing of forests and other activities. The increase in atmospheric concentrations of GHG due to human activities has resulted in more heat being held within the atmosphere, which is the accepted explanation for global climate change.[6]

The primary GHG emitted by human activities is CO_2, with the next largest components being CH_4 and N_2O. A wide variety of human activities result in the emission of CO_2. Some of the largest sources of CO_2 include the burning of fossil fuels for transportation and electricity, industrial processes including fertilizer production, agricultural processing, and cement production. The primary sources of CH_4 emissions include domestic livestock sources, decomposition of wastes

1 Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines*. April 2023.
2 City of Antioch. *City of Antioch General Plan*. Updated November 24, 2003.
3 City of Antioch. *Draft General Plan Update Environmental Impact Report*. July 2003.
4 City of Antioch. *Community Climate Action Plan.* May 24, 2011.
5 City of Antioch. *Climate Action and Resilience Plan.* May 12, 2020.
6 U.S. Environmental Protection Agency. *Climate Change Indicators: Atmospheric Concentrations of Greenhouse Gases*. Available at: https://www.epa.gov/climate-indicators/climate-change-indicators-atmospheric-concentrations-greenhouse-gases. Accessed April 2023.

in landfills, releases from natural gas systems, coal mine seepage, and manure management. The main human activities producing N_2O are agricultural soil management, fuel combustion in motor vehicles, nitric acid production, manure management, and stationary fuel combustion. Emissions of GHG by economic sector indicate that energy-related activities account for the majority of U.S. emissions. Transportation is the largest single-source of GHG emissions, and energy generation is the second largest source, followed by industrial activities. The agricultural, commercial, and residential sectors account for the remainder of GHG emission sources.[7]

Emissions of GHG are partially offset by uptake of carbon and sequestration in trees, agricultural soils, landfilled yard trimmings and food scraps, and absorption of CO_2 by the Earth's oceans. Additional emission reduction measures for GHG could include, but are not limited to, compliance with local, State, or federal plans or strategies for GHG reductions, on-site and off-site mitigation, and project design features. Attainment concentration standards for GHGs have not been established by the federal or State government.

Global Warming Potential

Global warming potential (GWP) is one type of simplified index (based upon radiative properties) that can be used to estimate the potential future impacts of emissions of various gases. According to the United States Environmental Protection Agency (USEPA), the GWP of a gas, or aerosol, to trap heat in the atmosphere is the "cumulative radiative forcing effects of a gas over a specified time horizon resulting from the emission of a unit mass of gas relative to a reference gas." The reference gas for comparison is CO_2. GWP is based on a number of factors, including the heat-absorbing ability of each gas relative to that of CO_2, as well as the decay rate of each gas relative to that of CO_2. The GWP of each gas is determined by comparing the radiative forcing associated with emissions of that gas versus the radiative forcing associated with emissions of the same mass of CO_2, for which the GWP is set at one. Methane gas, for example, is estimated by the USEPA to have a comparative global warming potential 25 times greater than that of CO_2, as shown in Table 4.2-1.

Table 4.2-1
GWPs and Atmospheric Lifetimes of Select GHGs

Gas	Atmospheric Lifetime (years)	GWP (100 year time horizon)
Carbon Dioxide (CO_2)	50-200[1]	1
Methane (CH_4)	12	25
Nitrous Oxide (N_2O)	114	298
Hydrofluorocarbon (HFC)-23	270	14,800
HFC-134a	14	1,430
HFC-152a	1.4	124
PFC: Tetrafluoromethane (CF_4)	50,000	7,390
PFC: Hexafluoroethane (C_2F_6)	10,000	12,200
Sulfur Hexafluoride (SF_6)	3,200	22,800

1. For a given amount of CO_2 emitted, some fraction of the atmospheric increase in concentration is quickly absorbed by the oceans and terrestrial vegetation, some fraction of the atmospheric increase will only slowly decrease over a number of years, and a small portion of the increase will remain for many centuries or more.

Source: U.S. Environmental Protection Agency. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019 [Table 1-2]. April 14, 2021.

7 U.S. Environmental Protection Agency. *Sources of Greenhouse Gas Emissions.* Available at: https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions. Accessed April 2023.

As shown in the table, at the extreme end of the scale, sulfur hexafluoride is estimated to have a comparative GWP 22,800 times that of CO_2. The atmospheric lifetimes of such GHGs are estimated by the USEPA to vary from 50 to 200 years for CO_2, to 50,000 years for CF_4. Longer atmospheric lifetimes allow GHG to buildup in the atmosphere; therefore, longer lifetimes correlate with the GWP of a gas. The common indicator for GHG is expressed in terms of metric tons of CO_2 equivalents ($MTCO_2e$), which is calculated based on the GWP for each pollutant.

Effects of Global Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The Intergovernmental Panel on Climate Change's (IPCC) Climate Change 2021: The Physical Science Basis report indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia.[8] Signs that global climate change has occurred include:

- Warming of the atmosphere and ocean;
- Diminished amounts of snow and ice;
- Rising sea levels; and
- Ocean acidification.

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The Office of Environmental Health Hazard Assessment (OEHHA) identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernable evidence that climate change is occurring in California and is having significant, measurable impacts in the State. Changes in the State's climate have been observed, including:

- An increase in annual average air temperature with record warmth occurring in recent years;
- More frequent extreme heat events;
- More extreme drought;
- A decline in winter chill; and
- An increase in variability of statewide precipitation.

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers, and snowpack—upon which the State depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the State's annual water supply. Impacts of climate on physical systems have been observed, such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters. Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed, including climate change impacts on terrestrial, marine, and freshwater ecosystems.

[8] Intergovernmental Panel on Climate Change. *Climate Change 2021: The Physical Science Basis Summary for Policymakers*. Available at: https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf. Accessed April 2023.

In the City of Antioch, specifically, the number of extreme heat days (defined as days where temperatures exceed 100.8 F) could reach an average of 36 days per year, as compared to the four days per year that occur now. While California could not see the average annual precipitation changing significantly in the next 50 to 75 years, precipitation could likely be delivered in more intense storms and within a shorter wet season. For example, the 30-year average length of dry spell in the City is 117 days. By the end of the century, the average dry spell could be up to 132 days.[9]

Existing Project-Area GHGs

The project site is located in the eastern portion of the nine-county San Francisco Bay Area Air Basin (SFBAAB), and is within the jurisdictional boundaries of the BAAQMD. The SFBAAB consists of coastal mountain ranges, inland valleys, and bays.

According to the City of Antioch CARP, the primary source of GHG emissions in the City is from transportation, which makes up approximately 60.4 percent of all GHG emissions in the City, followed by residential energy usage at 25.9 percent, commercial energy usage at 7.6 percent, and solid waste at 6.1 percent. Overall, the City of Antioch emitted approximately 375,000 $MTCO_2e$ in 2017 (the most recent year that such data is available), with a per capita emissions rate of 3.36 $MTCO_2e$.[10] While portions of the Specific Plan area are currently developed, the four remaining developable, CR/E and CE designated parcels that comprise the project site are currently vacant, and, therefore, do not contribute to the City's annual GHG emissions.

Energy

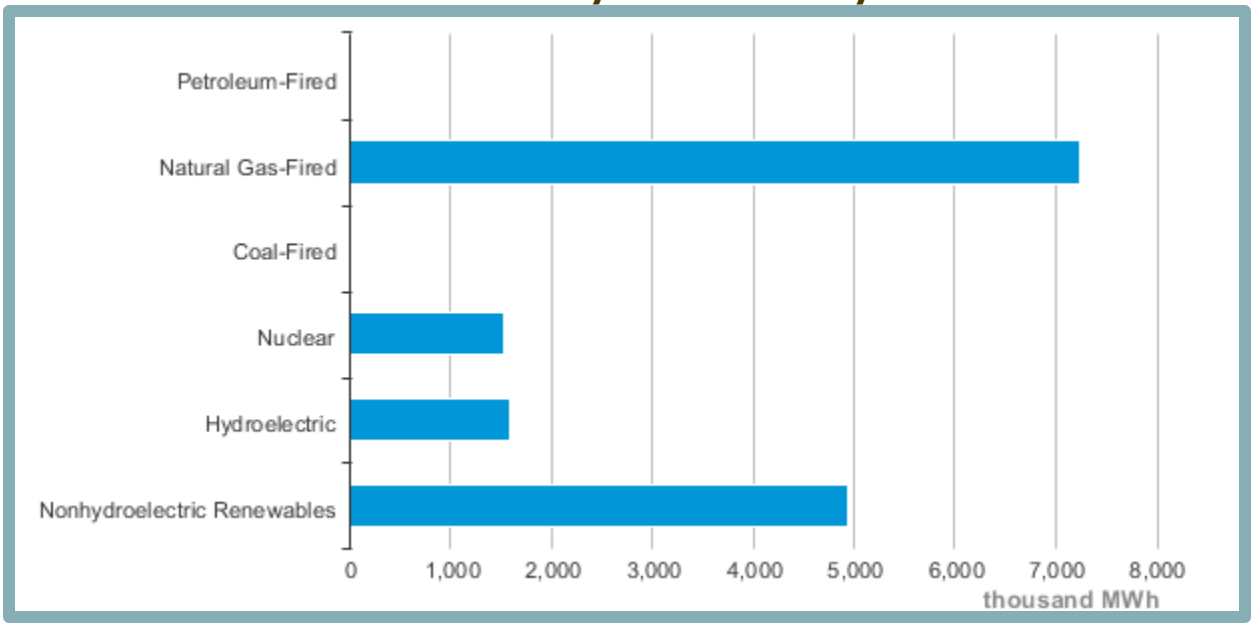
California is one of the highest energy demanding states within the nation. In the year 2020, the entire State consumed approximately 279,510 gigawatt-hours (GWh) of electricity. Activities such as heating and cooling structures, lighting, the movement of goods, agricultural production, and other facets of daily life consume a variety of energy sources. However, despite California's high rate of energy use, the State has one of the lowest per capita energy consumption levels in the U.S.

Energy within the State is provided primarily to consumers through a mix of sources including natural gas, hydroelectric, non-hydroelectric renewable sources, nuclear, coal, and petroleum. In 2021, California was the nation's top producer of electricity from solar, geothermal, and biomass energy. The state was fourth in the nation in conventional hydroelectric power generation, down from second in 2019, in part because of drought and increased water demand. Renewable resources, including hydropower and small-scale (less than 1-megawatt [MW]), customer-sited solar photovoltaic (PV) systems, supplied more than half of California's in-state electricity generation, and natural gas-fired power plants provided two-fifths.

Figure 4.2-1 presents the sources that are used to produce electricity in the State. As presented therein, electricity is mostly generated from natural gas combustion, followed by non-hydroelectric renewables (such as wind and solar) and hydroelectric.

[9] Cal-Adapt. *Local Climate Change Snapshot for Antioch, California*. Available at: https://cal-adapt.org/tools/local-climate-change-snapshot. Accessed April 2023.
[10] City of Antioch. *Climate Action and Resilience Plan*. May 12, 2020.

Figure 4.2-1
California Electricity Generation by Source



Source: U.S. Energy Information Administration. California: State Profile and Energy Estimates. Accessible at: https://www.eia.gov/state/index.php?sid=CA. Accessed May 2023.

Figure 4.2-2 presents energy consumption within California for the most recent year for which data is available (2020). As shown in the figure, transportation-related activity consumes the largest single share of energy within the State. The second largest consumer is the industrial sector.

Of the total electricity supplied to the State in 2021, Contra Costa County consumed approximately 8,287 GWh, which constitutes approximately 2.96 percent of the total energy consumed within the State.[11]

The project site is currently vacant. As a result, energy is not consumed within the project site.

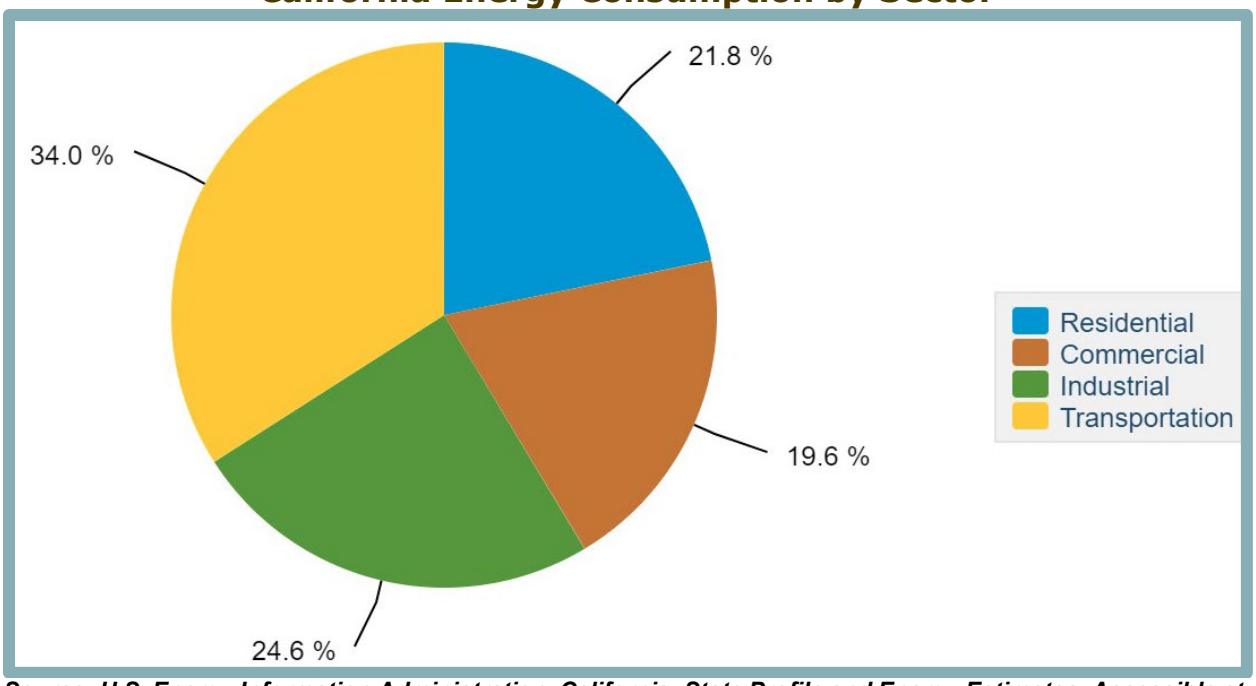
Public Safety Power Shutoffs

In an effort to prevent fires, PG&E initiated public safety power shutoffs (PSPS) in 2019, which may continue in subsequent years until fire risks associated with power lines are decreased. PSPS events involve PG&E turning off electrical service during times when the weather is predicted to have a heightened fire risk from gusty winds and dry conditions. Dependent on the fire risks, the power outage events may occur in specific areas or for all PG&E customers across the County. Based on the project site's location, the site is not located within an area that is more likely to be affected by a PSPS event.[12]

[11] California Energy Commission. *Electricity Consumption by County*. Available at: http://ecdms.energy.ca.gov/elecbycounty.aspx. Accessed May 2023.

[12] Pacific Gas & Electric Co. *Interactive PSPS Planning Map.* Available at: https://vizmap.ss.pge.com/?_ga=2.94997403.624386528.1664230975-1068345172.1664230975. Accessed May 2023.

Figure 4.2-2
California Energy Consumption by Sector



Source: U.S. Energy Information Administration. California: State Profile and Energy Estimates. Accessible at: https://www.eia.gov/state/index.php?sid=CA. Accessed May 2023.

4.2.3 REGULATORY CONTEXT

GHG emissions and energy consumption are monitored and regulated through the efforts of various international, federal, State, and local government agencies. Agencies work jointly and individually to reduce GHG emissions and energy usage through legislation, regulations, planning, policy-making, education, and a variety of programs. The agencies responsible for monitoring or reducing GHG emissions and energy consumption are discussed below.

Federal Regulations Related to GHG Emissions

The following are the federal regulations relevant to Energy and GHG emissions.

Federal Vehicle Standards

In 2010, President Obama issued a memorandum directing the Department of Transportation, Department of Energy, USEPA, and National Highway Traffic Safety Administration (NHTSA) to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the USEPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017 through 2025 light-duty vehicles. The proposed standards were projected to achieve emission rates as low as 163 grams of CO_2 per mile by model year 2025 on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if the foregoing emissions level was achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017 through 2021 (77 FR 62624–63200), and NHTSA intended to set standards for model years 2022 through 2025 in future rulemaking.

In August 2016, the USEPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program would have applied to vehicles with model years 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types of sizes of buses and work trucks. The final standards were expected to lower CO_2 emissions by approximately 1.1 billion MT, and reduce oil consumption by up to two billion barrels over the lifetime of the vehicles sold under the program.

In August 2018, the USEPA and NHTSA proposed to amend certain fuel economy and GHG standards for passenger cars and light trucks and establish new, less-stringent standards for model years 2021 through 2026. Compared to maintaining the post-2020 standards that were previously in place, the 2018 proposal would increase U.S. fuel consumption by approximately 0.5 million barrels per day, and would impact the global climate by 3/1000th of one-degree Celsius by 2100. California and other states stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures, and committed to cooperating with other countries to implement global climate change initiatives.

On September 27, 2019, the USEPA and NHTSA published the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program (84 FR 51,310), which became effective November 26, 2019. The Part One Rule revokes California's authority to set its own GHG emissions standards and set zero-emission-vehicle mandates in California. On March 31, 2020, the USEPA and NHTSA issued the Part Two Rule, which sets CO_2 emissions standards and corporate average fuel economy standards for passenger vehicles and light-duty trucks for model years 2021 through 2026. On January 20, 2021, an Executive Order (EO) was issued on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis, which includes review of the Part One Rule by April 2021 and review of the Part Two Rule by July 2021. In response to the Part One Rule, in December 2021, the U.S. Department of Transportation withdrew its portions of the "SAFE I" rule. As a result, states are now allowed to issue their own GHG emissions standards and zero-emissions vehicle mandates.[13] In addition, the Part Two Rule was adopted to revise the existing national GHG emission standards for passenger cars and light trucks through model year 2026. These standards are the strongest vehicle emissions standards ever established for the light-duty vehicle sector and will result in avoiding more than three billion tons of GHG emissions through 2050.[14]

Federal Regulations Related to Energy

The following are the federal regulations relevant to energy.

Energy Policy and Conservation Act

The Energy Policy and Conservation Act was originally enacted in 1975 with the intention of ensuring that all vehicles sold in the U.S. meet established fuel economy standards. Following congressional establishment of the original set of fuel economy standards the U.S. Department of Transportation was tasked with establishing additional on-road vehicle standards and making revisions to standards as necessary. Compliance with established standards is based on

[13] National Highway Traffic Safety Administration. *In Removing Major Roadblock to State Action on Emissions Standards, U.S. Department of Transportation Advances Biden-Harris Administration's Climate and Jobs Goals.* Available at: https://www.nhtsa.gov/press-releases/cafe-preemption-final-rule. Accessed April 2023.

[14] U.S. Environmental Protection Agency. *Final Rule to Revise Existing National GHG Emissions Standards for Passenger Cars and Light Trucks Through Model Year 2026*. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-revise-existing-national-ghg-emissions. Accessed April 2023.

manufacturer fleet average fuel economy, which originally applied to both passenger cars and light trucks but did not apply to heavy-duty vehicles exceeding 8,500 pounds in gross vehicle weight. The fuel economy program implemented under the Energy Policy and Conservation Act is known as the Corporate Average Fuel Economy (CAFE) Standards. Updates to the CAFE standards since original implementation have increased fuel economy requirements and begun regulation of medium- and heavy-duty vehicles.

Energy Policy Act of 2005

The Energy Policy Act of 2005 addressed energy production in the U.S. from various sources. In particular, the Energy Policy Act of 2005 included tax credits, loans, and grants for the implementation of energy systems that would reduce GHG emissions related to energy production.

State Regulations Related to GHG Emissions

The statewide GHG emissions regulatory framework is summarized below. The following text describes EOs, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues. The following discussion does not include an exhaustive list of applicable regulations; rather, only the most prominent and applicable California legislation related to GHG emissions and climate change is included below.

State Climate Change Targets

California has taken a number of actions to address climate change, including EOs, legislation, and California Air Resources Board (CARB) plans and requirements, which are summarized below.

Executive Order S-3-05

EO S-3-05 (June 2005) established California's GHG emissions reduction targets and laid out responsibilities among the State agencies for implementing the EO and for reporting on progress toward the targets. The EO established the following targets:

- By 2010, reduce GHG emissions to 2000 levels;
- By 2020, reduce GHG emissions to 1990 levels; and
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

EO S-3-05 also directed the California Environmental Protection Agency (CalEPA) to report biannually on progress made toward meeting the GHG targets and the impacts to California due to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. The Climate Action Team was formed, which subsequently issues yearly GHG reduction report cards to track the progress of emission reduction strategies. Each report card documents the effectiveness of measures to reduce GHG in California, presents GHG emissions from State agencies' operations, and shows reductions that have occurred in the two years prior to publication.

Assembly Bill 32

In furtherance of the goals established in EO S-3-05, the Legislature enacted Assembly Bill (AB) 32 (Núñez and Pavley). The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive, multi-year program to limit California's GHG emissions at 1990 levels by 2020 and initiate the

transformations required to achieve the State's long-range climate objectives. AB 32 also required that the CARB prepare a "scoping plan" for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020. The CARB's Scoping Plan is described in further detail below.

Executive Order B-30-15

EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing GHG emissions to 40 percent below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80 percent below 1990 levels by 2050 as set forth in EO S-3-05. To facilitate achieving this goal, EO B-30-15 called for an update to the CARB's Climate Change Scoping Plan: A Framework for Change (Scoping Plan) to express the 2030 target in terms of million metric tons (MMT) CO_2e. The CARB's Scoping Plan is discussed in further detail below. The EO also called for State agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets.

Senate Bill 32 and Assembly Bill 197

Senate Bill (SB) 32 and AB 197 (enacted in 2016) are companion bills. SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40 percent below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, to provide ongoing oversight over implementation of the State's climate policies. AB 197 also added two members of the Legislature to the Board as non-voting members; requires CARB to make available and update (at least annually via the CARB's website) emissions data for GHGs, criteria air pollutants, and toxic air contaminants (TACs) from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

CARB's Climate Change Scoping Plan

One specific requirement of AB 32 is for CARB to prepare a scoping plan for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code Section 38561[a]), and to update the Scoping Plan at least once every five years. In 2008, CARB approved the first Scoping Plan. The Scoping Plan included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emission limit and initiate the transformations needed to achieve the State's long-range climate objectives. The key elements of the Scoping Plan include the following:

1. Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
2. Achieving a statewide renewable energy mix of 33 percent;
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions;
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets;
5. Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (LCFS) (17 CCR, Section 95480 et seq.); and

6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations and for community emissions to reduce GHGs by approximately 15 percent from 2008 levels by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the State's GHG emission reduction priorities for the next five years and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuation of action to reduce emissions. The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050, including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the State's 1990 emissions level using more recent GWPs identified by the IPCC, from 427 MMT CO_2e to 431 MMT CO_2e.

In 2015, as directed by EO B-30-15, CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40 percent below 1990 levels by 2030 to keep California on a trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80 percent below 1990 levels by 2050, as set forth in EO S-3-05. In summer 2016, the Legislature affirmed the importance of addressing climate change through passage of SB 32 (Pavley, Chapter 249, Statutes of 2016).

In December 2017, the Scoping Plan was once again updated. The 2017 Scoping Plan built upon the successful framework established in the initial Scoping Plan and First Update, while identifying new, technologically feasible and cost-effective strategies that would serve as the framework to achieve the 2030 GHG target as established by SB 32 and define the State's climate change priorities to 2030 and beyond. For local governments, the 2017 Scoping Plan replaced the initial Scoping Plan's 15 percent reduction goal with a recommendation to aim for a community-wide goal of no more than six $MTCO_2e$ per capita by 2030, and no more than two $MTCO_2e$ per capita by 2050, which are consistent with the State's long-term goals. The 2017 Scoping Plan recognized the benefits of local government GHG planning (e.g., through Climate Action Plans [CAPs]) and provided more information regarding tools to support those efforts. The 2017 Scoping Plan also recognized the CEQA streamlining provisions for project-level review where a legally adequate CAP exists.

When discussing project-level GHG emissions reduction actions and thresholds in the context of CEQA, the 2017 Scoping Plan stated that "achieving no net additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development" for project-level CEQA analysis, but also recognized that such a standard may not

be appropriate or feasible for every development project. The 2017 Scoping Plan further provided that "the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA."

The most recent update to the Scoping Plan, the 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan Update) was adopted by the CARB in December 2022.[15] The 2022 Scoping Plan Update builds upon previous efforts to reduce GHG emissions and is designed to continue to shift the California economy away from dependence on fossil fuels. The 2022 Scoping Plan Update, the most comprehensive and far-reaching Scoping Plan developed to date, identifies a technologically feasible and cost-effective path to achieve carbon neutrality by 2045 while also assessing the progress California is making toward reducing its GHG emissions by at least 40 percent below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan. The 2030 target is an interim but important stepping stone along the critical path to the broader goal of deep decarbonization by 2045. The relatively longer path assessed in the Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts to reduce GHGs and air pollution, while identifying new clean technologies and energy. Given the focus on carbon neutrality, the Scoping Plan also includes discussion for the first time of the Natural and Working Lands (NWL) sectors as both sources of emissions and carbon sinks.

The 2022 Scoping Plan Update lays out a path to achieve targets for carbon neutrality and reduce GHG emissions by 85 percent below 1990 levels by 2045, as directed by AB 1279. The actions and outcomes in the plan will achieve significant reductions in fossil fuel combustion by deploying clean technologies and fuels, further reductions in short-lived climate pollutants, support for sustainable development, increased action on natural and working lands to reduce emissions and sequester carbon, and the capture and storage of carbon.

CARB's Regulations for the Mandatory Reporting of GHG Emissions

CARB's Regulation for the Mandatory Reporting of GHG Emissions (17 CCR 95100–95157) incorporated by reference certain requirements that the USEPA promulgated in its Final Rule on Mandatory Reporting of GHGs (40 Code of Federal Regulations [CFR] Part 98). In general, entities subject to the Mandatory Reporting Regulation that emit more than 10,000 $MTCO_2e$ per year are required to report annual GHGs through the California Electronic GHG Reporting Tool. Certain sectors, such as refineries and cement plants, are required to report regardless of emission levels. Entities that emit more than the 25,000 $MTCO_2e$ per year threshold are required to have their GHG emission report verified by a CARB-accredited third party.

Senate Bill 1383

SB 1383 establishes specific targets for the reduction of short-lived climate pollutants (SLCPs) (40 percent below 2013 levels by 2030 for CH_4 and hydrofluorocarbons (HFCs), and 50 percent below 2013 levels by 2030 for anthropogenic black carbon), and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, CARB adopted its SLCP Reduction Strategy in March 2017. The SLCP Reduction Strategy establishes a framework for the statewide reduction of emissions of black carbon, CH_4, and fluorinated gases.

[15] California Air Resources Board. *2022 Scoping Plan for Achieving Carbon Neutrality*. November 16, 2022. Available at: https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents. Accessed December 2022.

Executive Order B-55-18/Assembly Bill 1279

EO B-55-18 (September 2018) establishes a statewide policy for California to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net-negative emissions thereafter. The goal is an addition to the existing statewide targets of reducing the State's GHG emissions. CARB intends to work with relevant State agencies to ensure that future scoping plan updates identify and recommend measures to achieve the carbon neutrality goal. On September 16, 2022, AB 1279, also known as the California Climate Crisis Act, codified the carbon neutrality goal established by EO B-55-18.

Mobile Sources

The following regulations relate to the control of GHG emissions from mobile sources. Mobile sources include both on-road vehicles and off-road equipment.

Assembly Bill 1493

AB 1493 (Pavley) (July 2002) was enacted in response to the transportation sector accounting for more than half of California's CO_2 emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the State board to be vehicles that are primarily used for non-commercial personal transportation in the State. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. When fully phased in, the near-term (2009–2012) standards would result in a reduction of approximately 22 percent of GHG emissions compared to the emissions from the 2002 fleet, and the mid-term (2013–2016) standards would result in a reduction of approximately 30 percent.

Senate Bill 375

SB 375 (Steinberg) (September 2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 requires CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035, and to update those targets every eight years. SB 375 requires the State's 18 regional metropolitan planning organizations to prepare a sustainable communities strategy as part of their Regional Transportation Plans that will achieve the GHG reduction targets set by CARB. If a metropolitan planning organization is unable to devise a sustainable communities strategy to achieve the GHG reduction target, the metropolitan planning organization must prepare an alternative planning strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to California Government Code Section 65080(b)(2)(K), a sustainable communities strategy does not (1) regulate the use of land, (2) supersede the land use authority of cities and counties, or (3) require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with the sustainable community strategy. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the State-mandated housing element process.

Advanced Clean Cars Program and Zero-Emissions Vehicle Program

The Advanced Clean Cars program (January 2012) is an emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing

pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars. To improve air quality, CARB has implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. By 2025, implementation of the rule is anticipated to reduce emissions of smog-forming pollution from cars by 75 percent compared to the average new car sold in 2015. To reduce GHG emissions, CARB, in conjunction with the USEPA and NHTSA, adopted GHG standards for model year 2017 to 2025 vehicles; the standards were estimated to reduce GHG emissions by 34 percent by 2025. The zero-emissions vehicle program acts as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of zero-emissions vehicles and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

Executive Order B-16-12

EO B-16-12 (March 2012) required that State entities under the governor's direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. The order directed CARB, California Energy Commission (CEC), California Public Utilities Commission (CPUC), and other relevant agencies to work with the Plug-In Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80 percent less than 1990 levels by 2050. EO B-16-12 did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

Assembly Bill 1236

AB 1236 (October 2015) (Chiu) required a city, county, or city and county to approve an application for the installation of electric-vehicle charging stations, as defined, through the issuance of specified permits unless the city or county makes specified written findings based on substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and a feasible method to satisfactorily mitigate or avoid the specific, adverse impact does not exist. The bill provided for appeal of that decision to the planning commission, as specified. AB 1236 required electric-vehicle charging stations to meet specified standards. The bill required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for electric-vehicle charging stations. The bill also required a city, county, or city and county with a population of less than 200,000 residents to adopt the ordinance by September 30, 2017.

Water

The following regulations relate to the conservation of water, which reduces GHG emissions related to electricity demands from the treatment and transportation of water.

Executive Order B-29-15

In response to a drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25 percent relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives subsequently became permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the State. In response to EO B-29-15, the California Department of Water Resources modified and adopted a revised version of the Model Water Efficient Landscape Ordinance (MWELO) that, among other changes, significantly

increases the requirements for landscape water use efficiency, and broadens the applicability of the ordinance to include new development projects with smaller landscape areas.

Solid Waste

The following regulations relate to the generation of solid waste and means to reduce GHG emissions from solid waste produced within the State.

Assembly Bill 939 and Assembly Bill 341

In 1989, AB 939, known as the Integrated Waste Management Act (California Public Resources Code [PRC] Sections 40000 et seq.), was passed because of the observed increase in waste stream and the decrease in landfill capacity.

AB 341 (Chapter 476, Statutes of 2011 [Chesbro]) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that the policy goal of the State is that not less than 75 percent of solid waste generated be source-reduced, recycled, or composted by 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery to develop strategies to achieve the State's policy goal.

Other State Actions

The following State regulations are broadly related to GHG emissions.

Senate Bill 97

SB 97 (Dutton) (August 2007) directed the Governor's Office of Planning and Research (OPR) to develop guidelines under CEQA for the mitigation of GHG emissions. In 2008, the Governor's OPR issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project's GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities. The advisory further recommended that the lead agency determine the significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. The California Natural Resource Agency (CNRA) adopted the CEQA Guidelines amendments in December 2009, and the amended CEQA Guidelines became effective in March 2010.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis, or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines require a lead agency to consider the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features or off-site measures. The adopted amendments do not establish a GHG emission threshold, instead allowing a lead agency to develop, adopt, and apply the lead agency's own thresholds of significance or those developed by other agencies or experts. CNRA acknowledges that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project's GHG emissions.

With respect to GHG emissions, the CEQA Guidelines state that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions (14 CCR 15064.4[a]). The CEQA Guidelines note that an agency may identify emissions by either selecting a "model or methodology" to quantify the emissions or by relying on "qualitative analysis or other performance-based standards" (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: (1) the extent to which a project may increase or reduce GHG emissions as compared to the existing environmental setting; (2) whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]).

Executive Order S-13-08

EO S-13-08 (November 2008) is intended to hasten California's response to the impacts of global climate change, particularly sea-level rise. Therefore, the EO directs State agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009, and an update, Safeguarding California: Reducing Climate Risk, followed in July 2014. To assess the State's vulnerability, the report summarizes key climate change impacts to the State for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water. Issuance of the Safeguarding California: Implementation Action Plans followed in March 2016. In January 2018, the CNRA released the Safeguarding California Plan: 2018 Update, which communicates current and needed actions that the State government should take to build climate change resiliency.

State Regulations Related to Energy

The primary State regulatory agencies governing energy consumption are the CEC and the CPUC.

The CEC, created by the Legislature in 1974, has seven major responsibilities: forecasting future energy needs; promoting energy efficiency and conservation by setting the State's appliance and building energy efficiency standards; supporting energy research that advances energy science and technology through research, development, and demonstration projects; developing renewable energy resources; advancing alternative and renewable transportation fuels and technologies; certifying thermal power plants 50 MW and larger; and planning for and directing State response to energy emergencies.[16]

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies. The CPUC is responsible for ensuring that customers have safe, reliable utility service and infrastructure at reasonable rates, regulating utility services, stimulating innovation, and promoting competitive markets.[17]

[16] California Energy Commission. *About the California Energy Commission*. Available at: http://www.energy.ca.gov/about. Accessed December 2022.
[17] California Public Utilities Commission. *California Public Utilities Commission*. Available at: https://www.cpuc.ca.gov/about-cpuc. Accessed December 2022.

The State has adopted various regulations aimed at reducing energy consumption, increasing energy efficiency, and mandating sourcing requirements for electricity production. The following regulations are applicable to the proposed project.

Building Energy

The following regulations relate to energy efficiency and energy use reductions in the built environment.

Title 24, Part 6

Title 24 of the CCR, which is known as the California Building Standards Code (CBSC), was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed periodically, and revised, if necessary, by the Building Standards Commission and CEC (PRC Section 25402[b][1]). The regulations receive input from members of industry, as well as the public, with the goal of "reduc[ing] the wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (PRC Section 25402). The regulations are scrutinized and analyzed for technological and economic feasibility (PRC Section 25402[d]) and cost effectiveness (PRC Sections 25402[b][2] and [b][3]). As a result, the standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2022 Title 24 standards are the currently applicable building energy efficiency standards and became effective on January 1, 2023. Compliance with the 2022 Title 24 Building Energy Efficiency Standards will reduce energy use and associated GHG emissions compared to structures built in compliance with the previous 2019 Title 24 standards.

Title 24, Part 11

In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CALGreen, and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and State-owned buildings and schools and hospitals. The original CALGreen standards have been updated several times. The CALGreen 2022 standards, which are the current standards, improved upon the 2019 CALGreen standards, and went into effect on January 1, 2023. The 2022 CALGreen Code focuses on four key areas in newly constructed homes and businesses:[18]

- Encouraging electric heat pump technology for space and water heating, which consumes less energy and produces fewer emissions than gas-powered units.

[18] California Energy Commission. *Energy Commission Adopts Updated Building Standards to Improve Efficiency, Reduce Emissions From Homes and Businesses.* Available at: https://www.energy.ca.gov/news/2021-08/energy-commission-adopts-updated-building-standards-improve-efficiency-reduce-0. Accessed December 2022.

- Establishing electric-ready requirements for single-family homes to position owners to use cleaner electric heating, cooking and electric vehicle (EV) charging options whenever they choose to adopt those technologies.
- Expanding solar PV system and battery storage standards to make clean energy available onsite and complement the state's progress toward a 100 percent clean electricity grid.
- Strengthening ventilation standards to improve indoor air quality.

The CALGreen standards also include voluntary efficiency measures that are provided at two tiers and implemented at the discretion of local agencies and applicants. According to Section A4.602 of Appendix A4 of the CALGreen Code, CALGreen's Tier 1 standards call for a 15 percent improvement in energy requirements, stricter water conservation, 65 percent diversion of construction and demolition waste, 10 percent recycled content in building materials, 20 percent permeable paving, 20 percent cement reduction, and cool/solar-reflective roofs. CALGreen's more rigorous Tier 2 standards call for a 30 percent improvement in energy requirements, stricter water conservation, 80 percent diversion of construction and demolition waste, 15 percent recycled content in building materials, 30 percent permeable paving, 25 percent cement reduction, and cool/solar-reflective roofs.

Title 20

Title 20 of the CCR requires manufacturers of appliances to meet State and federal standards for energy and water efficiency. The CEC certifies an appliance based on a manufacturer's demonstration that the appliance meets the standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low-voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing each type of appliance covered under the regulations, and appliances must meet the standards for energy performance, energy design, water performance, and water design. Title 20 contains three types of standards for appliances: federal and State standards for federally regulated appliances, State standards for federally regulated appliances, and State standards for non-federally regulated appliances.

Senate Bill 1

SB 1 (Murray) (August 2006) established a $3 billion rebate program to support the goal of the State to install rooftop solar energy systems with a generation capacity of 3,000 MW through 2016. SB 1 added sections to the PRC, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for PV systems to meet minimum energy efficiency levels and performance requirements. Section 25780 established that it is a goal of the State to establish a self-sufficient solar industry. The goals included establishing solar energy systems as a viable mainstream option for homes and businesses within 10 years of adoption, and placing solar energy systems on 50 percent of new homes within 13 years of adoption. SB 1, also termed "Go Solar California," was previously titled "Million Solar Roofs."

Assembly Bill 1109

Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting to reduce electricity consumption by 50 percent for indoor residential lighting and by 25 percent for indoor commercial lighting.

Climate Change Scoping Plan

Expanding and strengthening existing energy efficiency programs as well as building and appliance standards is the key element of the Scoping Plan, as introduced above, related to building energy.

Transportation/Fuel Energy

The following regulations relate to fuel efficiency and energy use reductions in the transportation and motorized vehicle sector.

Assembly Bill 1493

In 2002 California adopted AB 1493, also known as the Pavley I standards, which required new passenger vehicles with model years 2009 to 2016 to meet more stringent fuel efficiency standards. Additional laws have extended these rules to cover vehicles from future model years.

Executive Order S-1-07

EO S-1-07, otherwise known as the LCFS, was adopted in 2009 and requires transportation fuels such as gasoline and diesel sold within the state to be less carbon intensive.

Executive Order B-16-12

EO B-16-12 (March 2012) required that State entities under the governor's direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. The order directed CARB, CEC, CPUC, and other relevant agencies to work with the Plug-In Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80 percent less than 1990 levels by 2050. EO B-16-12 did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

Assembly Bill 1346

AB 1346 (October 2021) prohibits non-electric small off-road engines. Small off-road engines, which are used primarily in lawn and garden equipment, emit high levels of air pollutants and, in 2020, California daily criteria pollutant emissions from small off-road engines were higher than emissions from light-duty passenger cars. Thus, by January 1, 2024, regulations shall prohibit engine exhaust and evaporative emissions from new small off-road engines.

Senate Bill 500

SB 500 (September 2021) requires that, beginning January 1, 2030, to the extent allowed by federal law, any autonomous vehicle that is model year 2031 or later, has a gross vehicle weight rating of less than 8,501 pounds, and is equipped with Level 3, 4, or 5 automation (as defined by the International Society of Automotive Engineers) to be a zero-emission vehicle to be operated on California public roads.

Climate Change Scoping Plan

The key elements of the Scoping Plan, as introduced above, related to transportation energy include the following:

1. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets; and

2. Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, goods movement measures, and the LCFS (17 CCR Section 95480, et seq.).

Renewable Energy and Energy Procurement

The following regulation relates to the source of electricity provided to consumers within the State, as well as standards related to the generation of electricity within the State.

Renewable Portfolio Standard (RPS), Senate Bill 350, and Senate Bill 100

Established in 2002 under SB 1078, accelerated in 2006 under SB 107, and expanded in 2011 under SB 2, California's RPS is one of the most ambitious renewable energy standards in the country. The RPS program requires investor-owned utilities, electric service providers, and community choice aggregators to increase procurement from eligible renewable energy resources to 33 percent of total procurement by 2020.

Since the inception of the RPS program, the program has been extended and enhanced multiple times. In 2015, SB 350 extended the State's RPS program by requiring that publicly owned utilities procure 50 percent of their electricity from renewable energy sources by 2030. The requirements of SB 350 were expanded and intensified in 2018 through the adoption of SB 100, which mandated that all electricity generated within the State by publicly owned utilities be generated through carbon-free sources by 2045. In addition, SB 100 increased the previous renewable energy requirement for the year 2030 by 10 percent; thus, requiring that 60 percent of electricity generated by publicly owned utilities originate from renewable sources by the year 2030.

Local Regulations

The following are the regulatory agencies and regulations pertinent to the proposed project on a local level.

Plan Bay Area 2050

Plan Bay Area 2050 (The Plan) is a long-range transportation and land use/housing strategy through 2050 for the San Francisco Bay Area, designed to reduce GHG emissions from the mobile sector.[19] The Plan was approved by the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG) on October 21, 2021. The Plan also meets all State and federal requirements for a Regional Transportation Plan and Sustainable Communities Strategy.

Plan Bay Area 2050 provides an outline for growth in four focus areas: Priority Development Areas (PDA); Transit-Rich Areas; Priority Production Areas; and High-Resource Areas. The project site is not located within a PDA. According to the Plan Bay Area 2050 Forecasting and Modeling Appendix, housing in Contra Costa County is projected to increase by 169,000 households, or 44 percent, and jobs are projected to increase by 130,000, or 32 percent.[20]

Local jurisdictions seeking to implement development projects consistent with The Plan are eligible for funding for PDA planning and transportation projects. In addition, jurisdictions have

[19] Association of Bay Area Governments and Metropolitan Transportation Commission. *Plan Bay Area 2050: Final.* October 2021.

[20] Association of Bay Area Governments and Metropolitan Transportation Commission. *Forecasting and Modeling Report, Appendix 1: Growth Pattern*. October 2021.

the option to streamline the development process for projects consistent with The Plan and meet the other criteria included in SB 375.

Bay Area Air Quality Management District

The BAAQMD is the public agency entrusted with regulating air pollution in the nine counties that surround San Francisco Bay: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, southwestern Solano, and southern Sonoma counties.

The BAAQMD has prepared Air Quality Guidelines, which are intended to be used for assistance with CEQA review. The BAAQMD Air Quality Guidelines include thresholds of significance and project screening levels for GHGs, as well as methods to assess and mitigate project-level and plan-level impacts. The most recent BAAQMD CEQA Air Quality Guidelines were released in April 2023.

Rules and Regulations

All projects under the jurisdiction of the BAAQMD are required to comply with all applicable BAAQMD rules and regulations. Applicable BAAQMD's regulations and rules include, but are not limited to, the following:

- Regulation 14: Mobile Source Emissions Reduction Measures
    - Rule 1: Bay Area Commuter Benefits Program

City of Antioch General Plan

The following goals and policies related to GHG emissions and energy from the City of Antioch General Plan are applicable to the proposed project.

Policy 10.6.2.b Require developers of large residential and non-residential projects to participate in programs and to take measures to improve traffic flow and/or reduce vehicle trips resulting in decreased vehicular emissions. Examples of such efforts may include, but are not limited to the following:

- Development of mixed-use projects, facilitating pedestrian and bicycle transportation and permitting consolidation of vehicular trips.
- Installation of transit improvements and amenities, including dedicated bus turnouts and sufficient rights-of-way for transit movement, bus shelters, and pedestrian easy access to transit.
- Provision of bicycle and pedestrian facilities, including bicycle lanes and pedestrian walkways connecting residential areas with neighborhood commercial centers, recreational facilities, schools, and other public areas.
- Contributions for off-site mitigation for transit use.
- Provision of charging stations for electric vehicles within large employment-generating and retail developments.

Objective 10.8.1 Reduce reliance on nonrenewable energy sources in existing and new commercial, industrial, and public structures.

Policy 10.8.2.a Continue to implement Title 24 of the State Building Code, and provide incentives to encourage architects and builders to exceed the energy efficiency standards of Title 24 through increased use of passive, solar design, and day-lighting.

Policy 10.8.2.b Promote the use of site design, landscaping, and solar orientation to decrease the need for summer cooling and winter heating.

Policy 10.8.2.c Where feasible, incorporate recycled materials in new construction.

Policy 10.8.2.d Encourage the installation of energy-efficient lighting, reduced thermostat settings, and elimination of unnecessary lighting in public facilities.

Policy 10.8.2.e Facilitate the installation of environmentally acceptable forms of distributed generation,[21] where such systems can be safely and economically provided.

Policy 10.8.2.h Promote coordination of new public facilities with transit services and non-motorized transportation facilities, including bicycles, and design structures to enhance transit, bicycle, and pedestrian use.

Policy 10.8.2.i The City shall review all development plans prior to approval to guarantee that energy conservation and efficiency standards of Title 24 are met and are incorporated into the design of the future proposed project.

City of Antioch Climate Action Planning

In 2007, the City of Antioch joined the International Council for Local Environmental Initiatives (ICLEI). As a member of the ICLEI, the City drafted and adopted two Climate Action Plans, one for municipal operations and the other for community-wide operations. Both Climate Action Plans provided GHG emissions inventories, with the Municipal Climate Action Plan considering emissions related to the provision of water, wastewater, and solid waste services, as well as assessing emissions related to the City's vehicle fleet, street lights within the City, City facilities, and employee commutes. Concurrently, the CCAP inventoried emissions related to residential energy consumption, industrial energy use, commercial energy use, solid waste, transportation and other mobile sources, solid waste generation, water consumption, and wastewater production. In compliance with AB 32, emissions reduction targets were established for both

[21] "Distributed generation" encompasses various small-scale types of electrical generation, such as microturbans, fuel cells, photovoltaics, co-generation (reuse of waste heat) and other sources of electrical power that can be effectively located within office parks, industrial facilities, and other large buildings.

community and municipal emissions, and two different approaches were implemented to meet the identified targets. The Municipal Climate Action Plan established measures and policies related to each emission source category, which would reduce existing and future emission from the identified sources. Simultaneously, the CCAP included GHG reduction strategies related to land use and transportation, green building and energy, and education and behavior change.

Although the CCAP does not include quantitative thresholds to assess a project's compliance with the CCAP, projects that are in compliance with AB 32 would be considered compliant with the CCAP. For instance, project's showing emissions reductions as required by AB 32, or projects incorporating reduction strategies from the CCAP are understood to be in compliance with the CCAP's GHG emissions reductions goals.

In May of 2020, the City adopted a CARP. The CARP is a five-year plan that includes action items intended to build community resilience, sustainability, and equity. Implementation of the proposed actions outlined in the CARP would reduce the community's reliance on carbon-based energy sources, and the CARP aligns with the statewide goals established by AB 32 and SB 32. Neither the CCAP nor CARP meet the criteria for a qualified CAP under State CEQA Guidelines Section 15183.5(b).

4.2.4 IMPACTS AND MITIGATION MEASURES

This section describes the standards of significance and methodology used to analyze and determine the proposed project's potential impacts related to GHG emissions and energy. A discussion of the project's impacts, as well as mitigation measures where necessary, is also presented.

Standards of Significance

Based on the recommendations of BAAQMD, City of Antioch standards, and consistent with Appendix G of the CEQA Guidelines, the proposed project would result in a significant impact related to GHG emissions or energy if the project would result in any of the following:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment;
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs;
- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources; or
- Conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

Pursuant to CEQA Guidelines Section 15064.4(b)(2), the lead agency is charged with determining a threshold of significance that is applicable to the project. For the analysis within this EIR, the City has elected to use the BAAQMD's thresholds of significance, where applicable, as discussed below.

GHG Emissions

As noted previously, in April 2023 the BAAQMD adopted updated CEQA Air Quality Guidelines. The updated guidelines include qualitative GHG thresholds, which consist of two distinct categories of criteria that must be met: Buildings and Transportation.

The BAAQMD's Buildings criteria require that a project must meet the following minimum project design elements:

a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).
b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under Sections 21100(b)(3) and 15126.2(b) of the State CEQA Guidelines.

The BAAQMD's Transportation criteria require that a project must meet the following:

a. Achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA:
    i. Residential projects: 15 percent below the existing VMT per capita;
    ii. Office projects: 15 percent below the existing VMT per employee; or
    iii. Retail projects: no net increase in existing VMT.
b. Achieve compliance with off-street EV requirements in the most recently adopted version of CALGreen Tier 2.

Alternatively, a project is not required to implement the foregoing design elements if the project shows consistency with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b). In the case of the proposed project, as discussed above, the City of Antioch has adopted the CCAP and the CARP. However, neither the CCAP nor CARP meet the criteria for a qualified CAP under State CEQA Guidelines Section 15183.5(b). Thus, the option to evaluate consistency with a local GHG reduction strategy is not applicable.

Energy

Quantitative thresholds for the analysis of potential impacts related to energy consumption have not been adopted by any local, regional, or statewide entities. Consequently, potential impacts of the project related to energy are determined based on whether the project would result in wasteful, inefficient, or unnecessary use of energy. In addition, the potential for the project to conflict with or obstruct a State or local plan for renewable energy generation or energy efficiency is considered. The analysis of energy consumption includes consideration of energy demand during project construction and operations.

Method of Analysis

A comparison of project-related emissions to the thresholds discussed above shall determine the significance of the potential impacts related to GHG emissions and energy consumption resulting from the proposed project. Where potentially significant impacts related to GHG emissions and energy are identified, mitigation measures are described that would reduce or eliminate the impact.

For informational purposes, short-term construction emissions and long-term operational emissions associated with future development of the project site were estimated using the California Emissions Estimator Model (CalEEMod) version 2020.4.0, which is a statewide model designed to provide a uniform platform for government agencies, land use planners, and

environmental professionals to quantify air quality emissions from land use projects. The model applies inherent default values for various land uses, including trip generation rates based on the Institute of Transportation Engineers (ITE) Manual, vehicle mix, trip length, average speed, etc. However, where project-specific data was available, such data was input into the model.

The project site is currently designated CR/E and CE; however, the proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the East Lone Tree Specific Plan (ELTSP). Rather, the City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area through a Specific Plan Amendment to streamline future commercial development approvals and minimize the need for further CEQA review. Approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses without requiring further CEQA analysis.

Because the proposed project does not include any specific development proposals, in order to provide a conservative analysis, the modeling assumed buildout of the project site with 100 percent regional retail uses, which would result in greater emissions than if the site was developed with employment uses. In addition, the modeling assumed that the entire 1,530,176 sf of allowable development would be constructed over an approximately eight-year period beginning in June 2024, and that 13,443 sf of building materials, representative of the existing buildings located on Parcel 3 would be demolished, and removed from the site during construction activities.

Results of the modeling are expressed in $MTCO_2e$/yr. All CalEEMod modeling results are included in Appendix B to this SEIR. It is noted that the estimated GHG emissions are presented for disclosure purposes only, as the BAAQMD no longer relies on quantitative thresholds of significance for GHG emissions.

Project-Specific Impacts and Mitigation Measures

Global climate change is, by nature, a cumulative impact. Emissions of GHG contribute, on a cumulative basis, to the significant adverse environmental impacts of global climate change (e.g., sea level rise, impacts to water supply and water quality, public health impacts, impacts to ecosystems, impacts to agriculture, and other environmental impacts). While GHG emissions from a project in combination with other past, present, and future projects contribute to the world-wide phenomenon of global climate change and the associated environmental impacts, a single project could not generate enough GHG emissions to contribute noticeably to a change in the global average temperature. Because the effects of GHG emissions are cumulative by nature, separate discussions for project-level and cumulative-level impacts for the proposed project are not necessary for this section of the SEIR.

However, potential impacts related to energy may occur on both a project-level and a cumulative basis. Accordingly, both a project-level and a cumulative analysis of potential energy-related impacts are presented below.

4.2-1 Result in the inefficient or wasteful use of energy, or conflict with a State or local plan for renewable energy or energy efficiency. Based on the analysis below, the impact is *less than significant*.

As discussed above, the proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the ELTSP. However, the City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area through a Specific Plan Amendment to streamline future commercial development approvals and minimize the need for further CEQA review. Approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses without requiring further CEQA analysis.

While the proposed project would not directly result in increased energy use relative to baseline conditions, because Appendix G of the CEQA Guidelines did not previously include a specific section on energy, the ELTSP EIR did not include a specific analysis of the ELTSP's potential energy-related impacts. Therefore, the following discussion addresses the potential effects of future development facilitated by the proposed project related to energy demand during construction and operations.

Construction Energy Use

Construction of any future development facilitated by the proposed project would involve on-site energy demand and consumption related to use of oil in the form of gasoline and diesel fuel for construction worker vehicle trips, hauling and materials delivery truck trips, and operation of off-road construction equipment. In addition, diesel-fueled portable generators may be necessary to provide additional electricity demands for temporary on-site lighting, welding, and for supplying energy to areas of the site where energy supply cannot be met via a hookup to the existing electricity grid.

Typically, at construction sites, electricity from the existing grid is used to power portable and temporary lights or office trailers. Because grid electricity would be used primarily for steady sources such as lighting, not sudden, intermittent sources such as welding or other hand-held tools, the increase in electricity usage at the site during construction would not be expected to cause any substantial peaks in demand. Construction of the proposed project, which would result in temporary increases in electricity demand, would not cause a permanent or substantial increase in demand that would exceed PG&E's demand projections or exceed the ability of PG&E's existing infrastructure to handle such an increase. Therefore, project construction would not result in any significant impacts on local or regional electricity supplies, the need for additional capacity, or on peak or base period electricity demands. In addition, standards or regulations specific to construction-related electricity usage do not currently exist.

Construction of the maximum allowable amount of regional retail/employment uses across the entire project site has been assumed for analysis purposes to occur over approximately eight years. As a result, the increased energy demand associated with construction would take place for a minimal amount of time compared to the operational lifetime of the future development projects that could occur with buildout of the proposed project. It should also be noted that while the analysis included herein has conservatively assumed that the entire 1,530,176 sf of allowable development would be constructed concurrently, in reality, the likelihood that all four parcels that comprise the project site would be constructed at the same time is low, and the

potential exists for portions of the project site to remain undeveloped, as specific development proposals have not yet been submitted.

All construction equipment and operation thereof would be regulated pursuant to the CARB In-Use Off-Road Diesel Vehicle Regulation. The In-Use Off-Road Diesel Vehicle Regulation is intended to reduce emissions from in-use, off-road, heavy-duty diesel vehicles in California by imposing a five-minute limit on idling, requiring all vehicles to be reported to CARB, restricting the addition of older vehicles into fleets, and requiring fleets to reduce emissions by retiring, replacing, or repowering older engines, or installing exhaust retrofits. Furthermore, as a means of reducing emissions, construction vehicles are required to become cleaner through the use of renewable energy resources. Engine tiers are used to describe the emissions intensity and efficiency of an engine. Construction equipment with Tier 0 or Tier 1 engines are the least efficient, and Tier 4 is the most efficient. In November 2021, the CARB began developing standards for Tier 5 engines. As of 2015, vehicles with Tier 0 and Tier 1 engines are prohibited from being added to equipment fleets. Fleets with a total horsepower over 2,501, excluding non-profit training centers, may not add any Tier 2 engines and, starting January 1, 2023, all engines must be Tier 3 or higher.[22] The In-Use Off-Road Diesel Vehicle Regulation would, therefore, help to improve fuel efficiency for equipment used in construction of the future development associated with the proposed project.

The CARB enforces off-road equipment regulations through their reporting system, Diesel Off-road Online Reporting System (DOORS). Each construction fleet is required to update their DOORS account within 30 days of buying or selling a vehicle, and DOORS automatically calculates the fleet average index for each fleet. The fleet average index is an indicator of a fleet's overall emission rate, and is based on each vehicle's engine horsepower and model year, and whether it is equipped with a Verified Diesel Emission Control Strategy (VDECS). If a fleet cannot, or does not want to, meet the fleet average target in a given year, the fleet may instead choose to comply with the Best Available Control Technology (BACT) requirements. A fleet may meet the BACT requirements each year by turning over or installing VDECS on a certain percentage of its total fleet horsepower. 'Turnover' means retiring a vehicle, designating a vehicle as permanent low-use (a vehicle used less than 200 hours per year), repowering a vehicle with a higher tier engine, or rebuilding the engine to a more stringent emission standard. By each compliance date (annually on January 1st), the fleet must either show that its fleet average index was less than or equal to the calculated fleet average target rate, or that the fleet has met the BACT requirements.[23] Future development would be required to comply with such regulations, which would ensure that construction equipment meets all State efficiency requirements.

Technological innovations and more stringent standards are being researched, such as multi-function equipment, hybrid equipment, or other design changes, which could help to further reduce demand on oil and limit emissions associated with construction. Over time, as technology progresses and more stringent emissions standards are put

[22] California Air Resources Board. *In-Use Off Road Diesel-Fueled Fleets Regulation Overview*, *Revised October 2016*. 2016.

[23] California Air Resources Board. *Frequently Asked Questions, Regulation for In-Use Off-Road Diesel-Fueled Fleets (Off-Road Regulation)*. August 2014.

in place, construction equipment engines become increasingly efficient. Future construction would also be required to comply with all applicable BAAQMD rules and regulations, which are indirectly related to energy efficiency, which would help to further reduce energy use associated with future development of the project site.

Based on the above, the temporary increase in energy use occurring during construction of future development facilitated by the proposed project would not result in a significant increase in peak or base demands or require additional capacity from local or regional energy supplies. In addition, the future development would be required to comply with all applicable regulations related to energy conservation and fuel efficiency, which would help to reduce the temporary increase in demand.

Building Energy Demand

Energy use associated with operation of any future development facilitated by the proposed project would be typical of regional retail/employment uses, requiring electricity for interior and exterior building lighting, heating, ventilation, and air conditioning (HVAC) systems, electronic equipment, machinery, refrigeration, appliances, security systems, and more. Maintenance activities during operations, such as landscape maintenance, would involve the use of electric or gas-powered equipment. In addition to on-site energy use, future development of the project site would result in transportation energy use associated with vehicle trips generated by visitors and employees travelling to and from the site.

Any future development facilitated by the proposed project would be required to comply with all applicable standards and regulations regarding energy conservation and fuel efficiency, including the CBSC and CARB standards, which would ensure that the future uses would be designed to be energy efficient to the maximum extent practicable. Adherence to the most recent CALGreen Code and the Building Energy Efficiency Standards would ensure that any proposed development on-site would consume energy efficiently through the incorporation of such features as efficient water heating systems, high performance attics and walls, and high efficacy lighting. In addition, State regulations promote the generation of renewable energy and encourage energy efficiency through requirements placed on utility providers and strict development standards. For instance, the RPS requires utilities, including PG&E, to procure an increasing proportion of electricity from renewable sources. Ultimately the RPS requirements mandate that all electricity produced within the State be renewably sourced by the year 2045.

Based on the air quality modeling prepared for the proposed project, buildout of the project site with the maximum allowable regional retail/employment uses is anticipated to result in increased electricity consumption of approximately 15.9 GWh annually during operations. It is noted that, compared to the electricity consumption for all of Contra Costa County, the proposed project's contribution would represent a 0.19 percent increase in electricity demand. Although the future development facilitated by the proposed project would increase electricity demand in the project area, the increased demand is not anticipated to conflict with the PG&E's ability to meet the RPS requirements, or exceed the PG&E's capacity such that energy demands would not be met.

Increased energy use does not necessarily mean that a project would have an impact related to energy resources. Based on Appendix F of the CEQA Guidelines, a proposed project would result in an impact related to energy resources if a project would result in the inefficient use or waste of energy. As stated above, all future development facilitated by the proposed project would be required to comply with the efficiency standards set forth in the CBSC, and, therefore, the proposed project would not conflict or obstruct with any State or local plans related to renewable energy. Furthermore, regulations pertaining to energy usage, including, but not limited to, Building Energy Efficiency Standards and State and federal vehicle standards, are continuously becoming more stringent. Therefore, future development facilitated by the proposed project would be assumed to use energy more efficiently as energy standards are updated.

With regard to landscaping and maintenance equipment, AB 1346 would require that all small off-road engines are all-electric by the time that any future development on-site is operational. Given that approximately 85 percent of the electricity from PG&E is generated from clean energy sources,[24] the use of electric maintenance equipment would be considered more energy efficient than diesel- or gas-powered maintenance equipment.

Transportation Energy Demand

The average fuel economy for the U.S. passenger vehicle fleet was 25.3 miles per gallon (mpg) in 2020, the most recent year such data is available.[25] An average of 25.3 mpg and an annual VMT of approximately 98,104,963[26] for the project would result in the consumption of approximately 92,325 barrels of gasoline a year. California is estimated to consume approximately 662 million barrels of petroleum per year.[27] Based on the annual consumption within the State, vehicle trips generated by the future development on the project site would result in a 0.01 percent increase in the State's current consumption of gasoline.

The calculation above is likely an overestimate, as the estimate does not account for the increasing ownership of electric vehicles. California leads the nation in registered alternatively-fueled and hybrid vehicles. In fact, under SB 500, the State has required that, starting in the year 2030, all cars sold shall be zero-emission/electric vehicles. In addition, State-specific regulations encourage fuel efficiency and reduction of dependence on oil. Improvements in vehicle efficiency and fuel economy standards help to reduce consumption of gasoline and reduce the State's dependence on petroleum products. The 2022 CBSC also requires new developments to include the necessary electrical infrastructure for EV charging stations. Based on the above, the

[24] Pacific Gas and Electric Company. *2020 Power Mix*. Available at: https://www.pge.com/pge_global/common/pdfs/your-account/your-bill/understand-your-bill/bill-inserts/2021/1021-PowerContent.pdf. Accessed May 2023.

[25] U.S. Energy Information Administration. *Total Energy, Table 1.8 Motor Vehicle Mileage, Fuel Consumption, and Fuel Economy*. Accessible at: https://www.eia.gov/totalenergy/data/browser/?tbl=T01.08#/?f=A&start=200001. Accessed May 2023.

[26] The annual VMT estimate presented herein is based on the total annual VMT assumed in the GHG modeling conducted for the proposed project using CalEEMod.

[27] U.S. Energy Information Administration. *California: State Profile and Energy Estimates*. Accessible at: https://www.eia.gov/state/seds/data.php?incfile=/state/seds/sep_fuel/html/fuel_use_pa.html&sid=US&sid=CA. Accessed May 2023.

actual consumption of gasoline associated with future development facilitated by the proposed project is anticipated to be even lower than the 0.01 percent statewide contribution noted above.

Any future development facilitated by the proposed project would be required to comply with all applicable regulations associated with vehicle efficiency and fuel economy. In addition, buildout of the project site with regional retail/employment uses would likely involve the provision of sidewalks and bicycle infrastructure. The aforementioned improvements would provide pedestrian and bicycle connectivity within the project site, thereby helping to discourage driving and reduce vehicle trips and associated transportation energy demand.

Conclusion

Based on the above, the proposed project would not be considered to result in a wasteful, inefficient, or unnecessary use of energy, and the proposed project is not anticipated to conflict with a State or local plan for renewable energy or energy efficiency. Thus, impacts would be considered ***less than significant***.

Mitigation Measure(s)

None required.

Cumulative Impacts and Mitigation Measures

As defined in Section 15355 of the CEQA Guidelines, "cumulative impacts" refers to two or more individual effects which, when considered together, are considerable, compound, or increase other environmental impacts. The individual effects may be changes resulting from a single project or a number of separate projects. The cumulative impact from several projects is the change in the environment that results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects.

As discussed previously, climate change occurs on a global scale, and emissions of GHGs, even from a single project, contribute to the global impact. However, due to the existing regulations within the State, for the purposes of this analysis, the geographic context for the analysis of GHG emissions presented in this SEIR is California.

Finally, a project's impacts related to energy use may be individually limited, but cumulatively considerable when taken in combination with past, present, and future development projects. The following discussion of energy impacts is based on the implementation of the proposed project in combination with buildout of the adopted City of Antioch General Plan. Additional detail regarding the cumulative project setting can be found in Chapter 5, Statutorily Required Sections, of this SEIR.

4.2-2 Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Based on the analysis below and with implementation of mitigation, the project's incremental contribution to this significant cumulative impact is *less than cumulatively considerable*.

An individual project's GHG emissions are at a micro-scale level relative to global emissions and effects to global climate change; however, an individual project could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact. As such, impacts related to emissions of GHGs are inherently considered cumulative impacts.

Implementation of the proposed project could cumulatively contribute to increases of GHG emissions that are associated with global climate change. Estimated GHG emissions attributable to future development facilitated by the proposed project would be primarily associated with increases of CO_2 and, to a lesser extent, other GHG pollutants, such as CH_4 and N_2O. Sources of GHG emissions include area sources, mobile sources or vehicles, utilities (electricity and natural gas), water usage, wastewater generation, and the generation of solid waste.

Based on the modeling conducted for the proposed project, construction of the maximum allowable amount of regional retail/employment uses across the entire project site was estimated to generate annual maximum unmitigated GHG emissions of 1,402.05 $MTCO_2e$/yr. The total unmitigated annual operational GHG emissions for the first year of full operations on the project site (assumed to be 2032) were estimated as presented in Table 4.2-2.

Table 4.2-2
Unmitigated Project Operational GHG Emissions

Source	Annual GHG Emissions ($MTCO_2e$/yr)
Area	0.03
Energy	1,677.75
Mobile	27,951.06
Waste	808.01
Water	234.31
Total Annual Operational GHG Emissions	**30,671.15**

Source: CalEEMod, May 2023 (see Appendix B).

As noted previously, the applicable BAAQMD thresholds of significance for GHG emissions are qualitative, and the foregoing information is provided for disclosure purposes only. Potential impacts related to GHG emissions resulting from implementation of the proposed project are considered in comparison with BAAQMD's adopted thresholds of significance below.

It should also be noted that while GHG emissions were not specifically addressed within the previously certified ELTSP EIR, the proposed specific plan amendment would not increase buildout within the ELTSP area such that additional GHG emissions would result beyond what would occur under buildout conditions assumed within the previously certified ELTSP EIR.

BAAQMD Thresholds of Significance

According to the BAAQMD thresholds of significance, a project must either include specific project design elements related to buildings and transportation or be consistent with a local GHG reduction strategy that meets the criteria under State

CEQA Guidelines Section 15183.5(b). The City of Antioch has not prepared a qualified CAP under State CEQA Guidelines Section 15183.5(b). Thus, this discussion evaluates project consistency with the BAAQMD's Buildings and Transportation criteria.

With regard to Buildings criterion a., while approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses, given that specific development proposals do not currently exist for the potential future development of the project site, the prohibition of natural gas appliances and plumbing on-site cannot be ensured at this time. Therefore, without mitigation, the proposed project could conflict with Buildings criterion a.

Consistency with Buildings criterion b. was evaluated in Impact 4.2-1, above. As noted therein, the temporary increase in energy use occurring during construction of any future development facilitated by the proposed project would not result in a significant increase in peak or base demands or require additional capacity from local or regional energy supplies. During operations, future development facilitated by the proposed project would be required to comply with all applicable regulations related to energy conservation and fuel efficiency, including the Building Energy Efficiency Standards and the CALGreen Code, which would ensure that building energy use associated would not be wasteful, inefficient, or unnecessary. As a result, the proposed project would comply with Buildings criterion b.

Consistency with Transportation criterion a. is evaluated in Chapter 4.2, Transportation, of this EIR. As presented therein, future development facilitated by the proposed project is anticipated to generate VMT per service population that meets the regional 15 percent below existing VMT per capita threshold. Therefore, the proposed project would comply with Transportation criterion a.

With regard to Transportation criterion b., because specific development proposals do not currently exist for the potential future development of the project site, compliance with the most recently adopted CALGreen Tier 2 off-street EV requirements cannot be ensured at this time. Therefore, without mitigation, the proposed project could conflict with Transportation criterion b.

Conclusion

Based on the above, the proposed project could conflict with the BAAQMD's applicable thresholds of significance for GHG emissions. Accordingly, the proposed project would be considered to generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Thus, a ***cumulatively considerable*** impact related to GHG emissions could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less than cumulatively considerable* level.

4.2-2 The following requirements shall be noted on all future project improvement plans, subject to review and approval by the City of Antioch Community Development Department:

- *Consistent with the BAAQMD's Buildings standard a., natural gas shall be prohibited in any structures proposed within the project site.*
- *Consistent with the BAAQMD's Transportation criterion b., future development on the project site shall be constructed to include electric vehicle (EV) parking spaces consistent with the most recently adopted CALGreen Code Tier 2 off-street EV requirements.*

4.2-3 Result in a cumulatively considerable inefficient or wasteful use of energy or conflict with a State or local plan for renewable energy or energy efficiency. Based on the analysis below, the impact is *less than significant*.

Impact 4.2-1 discusses the consumption of energy on a project level, within the context of existing State plans and regulations. As discussed previously, the future development facilitated by the proposed project would involve consumption of diesel, gasoline, natural gas, and electricity throughout construction and operations. However, any proposed structures are required to be built in compliance with existing statewide mandatory energy efficiency standards, such as those contained in the California Building Energy Efficiency Standards and the CALGreen Code. Compliance with the energy efficiency standards would reduce the amount of electricity consumed by the future on-site development. State regulations would also help to reduce the amount of energy consumed by on-road vehicles over time. For instance, State and federal emissions standards and fuel economy standards result in increased fuel efficiency for on-road vehicles. Overall, as concluded above, the proposed project would result in a less than significant impact related to the inefficient or wasteful use of energy or conflicting with a State or local plan for renewable energy or energy efficiency.

Similar to future development facilitated by the proposed project, all other future development within the City of Antioch would be required to comply with applicable State and local regulations related to energy efficiency. Increased efficiency would be ensured in the future as cumulative development occurs due to compliance with the State's robust energy efficiency requirements. For example, pursuant to 2022 CBSC, new non-residential buildings associated with cumulative development would be required to be solar ready. Furthermore, energy efficiency regulations have been getting progressively more stringent over time. Thus, as cumulative development occurs under the increasingly stringent regulations, the energy use associated with such cumulative development is anticipated to be increasingly energy efficient over time as well.

Based on the above, implementation of the project in combination with other cumulative development in the project region would not result in the wasteful or inefficient use of energy. Because the project would not conflict with a local plan to

increase energy efficiency and reduce energy consumption, a ***less than significant*** cumulative impact would occur.

Mitigation Measure(s)

None required.

4.3 Transportation

4.3 TRANSPORTATION

4.3.1 INTRODUCTION

The Transportation chapter of the Supplemental EIR (SEIR) addresses the transportation conditions, including consideration of the proposed project's impacts related to transit facilities and services, bicycle facilities, pedestrian facilities, vehicle miles travelled (VMT), and traffic safety issues. The information contained within this chapter is primarily based on the Transportation Impact Analysis (TIA) prepared for the proposed project by Fehr & Peers (see Appendix C),[1] as well as the City of Antioch General Plan[2] and associated EIR.[3] All technical calculations are included as an appendix to the TIA.

4.3.2 EXISTING ENVIRONMENTAL SETTING

The section below describes the physical and operational characteristics of the existing transportation system within the project area, including the surrounding roadway network, transit, bicycle, and pedestrian facilities.

Existing Roadways

The following sections provide a summary of the existing roadways within the project area.

State Highways

The following State Highways are located within the project area:

State Route 4

State Route (SR) 4 is an east-west freeway that extends from the City of Hercules in the west to the City of Stockton and beyond in the east. In the project area, SR 4 has an east/west orientation from west of SR 160 and a northwest/southeast orientation between SR 160 and Walnut Boulevard in eastern Contra Costa County. The facility is a six-lane freeway from SR 160 to Laurel Road and a four-lane freeway from Laurel Road to Balfour Road. At Balfour Road, SR 4 transitions to a two-lane highway. Access to the project site is provided by ramp terminals at Laurel Road and Lone Tree Way. SR 4 is a designated route of regional significance by the Contra Costa Transportation Authority (CCTA). The posted speed limit near the project site is 65 miles per hour (mph). The annual average daily traffic on SR 4 north of Lone Tree Way was 142,400 in 2019. It should be noted that daily traffic conditions from 2019 were used herein, as such conditions are representative of pre-COVID conditions.

State Route 160

SR 160 is a north-south freeway that extends from SR 4 north over the San Joaquin River by way of the Antioch Bridge. SR 160 connects the project area to Rio Vista and Sacramento. The facility is a two-lane highway from SR 4 to the Antioch Bridge and transitions to a one-lane highway at the Antioch Bridge. Access to the project site is provided by SR 4. SR 160 between SR 4 and the

1 Fehr & Peers. *Transportation Impact Analysis.* June 2023.
2 City of Antioch. *City of Antioch General Plan*. Updated November 24, 2003.
3 City of Antioch. *Draft General Plan Update Environmental Impact Report*. July 2003.

Antioch Bridge is a designated route of regional significance by the CCTA. The posted speed limit near the project site is 65 mph. The annual average daily traffic on SR 160 north of Wilbur Avenue was 55,000 in 2019. As discussed above, daily traffic conditions from 2019 were used herein, as such conditions are representative of pre-COVID conditions.

Arterials and Collectors

Arterials are major streets carrying the traffic of local and collector streets to and from freeways and other major streets. Arterials typically have controlled intersections and generally provide direct access to properties. Primary arterials within the project area provide access to Pittsburg to the west, Oakley, and Brentwood to the east, and rural Contra Costa County to the south. Collectors are streets for traffic moving between arterial and local streets, generally providing direct access to properties. Key roadways providing access to the project area include the following:

Lone Tree Way

Lone Tree Way is an east-west three-lane arterial that extends from SR 4 in north Antioch to the City of Brentwood. Lone Tree Way has a north-south orientation between SR 4 and Dallas Ranch Road and transitions to an east-west orientation east of Dallas Ranch Road. Lone Tree Way connects the project site to SR-4. Class II and Class III bicycle facilities exist along Lone Tree Way near the project site. Lone Tree Way is a designated route of regional significance by the CCTA. The posted speed limit near the project site is 45 mph.

Empire Avenue

Empire Avenue is a north-south two-lane arterial that extends from Shady Willow Lane in the City of Brentwood to Main Street in the City of Oakley. Empire Avenue connects the project site to SR through Lone Tree Way. Class II bicycle facilities exist along Empire Avenue near the project site. Empire Avenue is a designated route of regional significance by the CCTA. The posted speed limit near the project site is 35 mph.

Laurel Road

Laurel Road is a northeast-southwest three-lane arterial that extends from Hillcrest Avenue in the City of Antioch to Main Street in the City of Oakley. Laurel Road connects the project site to SR 4. The roadway is a designated route of regional significance by the CCTA. The posted speed limit near the project site is 45 mph.

Slatten Ranch Road

Slatten Ranch Road is a north-south two-lane local roadway that extends from Lone Tree Way to the project site. Buildout of the East Lone Tree Specific Plan (ELTSP) would include the extension of the roadway from its current terminus north to connect with Laurel Road. Existing restaurants and retail stores are located at the Slatten Ranch Road/Lone Tree Way intersection. The roadway would also provide a future connection from the project site to SR 4 by way of Lone Tree Way and Laurel Road as the proposed roadway extension is constructed. Class II bicycle facilities exist along Slatten Ranch Road. The posted speed limit near the project site is 35 mph.

Wicklow Way

Wicklow Way is an east-west two-lane local roadway that extends from Slatten Ranch Road to Empire Ave. Wicklow Way connects the project site to Empire Avenue by way of Slatten Ranch Road. Class II bicycle facilities exist along Wicklow Way. The posted speed limit on Wicklow Way is 25 mph.

Existing Transit Services and Facilities

Bay Area Rapid Transit (BART) provides fixed rail transit to Eastern Contra Costa County and regional connections to most of the Bay Area. BART runs from the North Bay Area in Richmond to the South Bay Area in Fremont. In the east-west direction BART runs from Antioch to the San Francisco Airport and Milbrae with several connections in Oakland. Currently, the terminus station is located in Antioch at the Hillcrest Avenue interchange, approximately five miles from the project site. BART service at the Antioch station runs from 4:47 AM to 12:00 AM on weekdays with a frequency of every 15 minutes. On Saturdays, trains run from 5:44 AM to 12:00 AM with a frequency of every 30 minutes. On Sundays, trains run from 7:17 AM to 12:00 AM with a frequency of every 30 minutes.

The Eastern Contra Costa Transit Authority (Tri Delta Transit) provides transit service in eastern Contra Costa County, serving the communities of Brentwood, Antioch, Oakley, Concord, Discovery Bay, Bay Point, and Pittsburg. The closest bus stop is 0.3-miles from the project site at the Lone Tree Way and Slatten Ranch Road/Shady Willow Lane intersection. The bus stop serves Route 384 and Route 385, connecting to the Antioch BART Station and Brentwood Park & Ride, and Route 395 connecting to the Antioch BART Station. The bus routes within the project area are described in Table 4.3-1 and presented in Figure 4.3-1.

Table 4.3-1
Tri Delta Transit Routes

Transit Route	Origin	Destination	Service Hours	Headways
Route 384	Brentwood Park & Ride	Antioch BART Station	7:00 AM to 5:00 PM	60 Minutes
Route 384	Antioch BART Station	Brentwood Park & Ride	7:00 AM to 7:00 PM	60 Minutes
Route 385	Brentwood Park & Ride	Antioch BART Station	6:15 AM to 5:30 PM	45 to 90 Minutes
Route 385	Antioch BART Station	Brentwood Park & Ride	6:30 AM to 8:30 AM	30 to 90 Minutes
			8:30 AM to 7:30 PM	60 Minutes
Route 395 Loop	Streets of Brentwood	Antioch BART Station	9:35 AM to 8:30 PM	60 Minutes

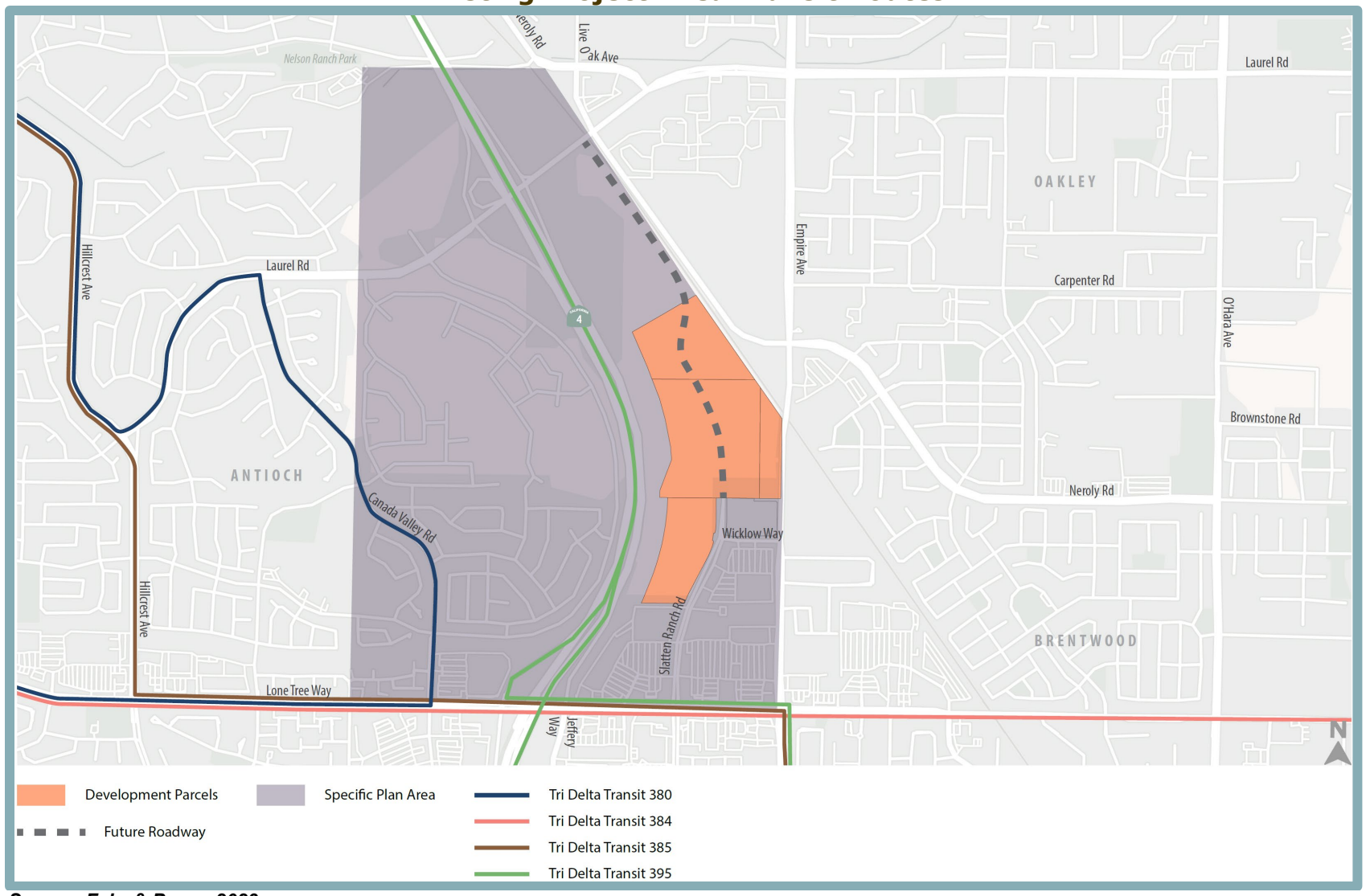
Source: Fehr & Peers, 2023.

Amtrak also offers regional passenger rail service from Antioch to the San Francisco Bay Area, Sacramento, and Bakersfield by way of the San Joaquin line. The City of Antioch is serviced by the Antioch-Pittsburg Amtrak Station at the I Street and West 1st Street intersection. Tri-Delta Transit provides connections from the project site through Route 387 from the Antioch BART station. The San Joaquin line serves Antioch between 8:50 AM and 9:10 PM daily. Northbound and southbound services operate with a frequency of every two to four hours.

Existing Bicycle Facilities

Bicycle paths, bike lanes, bike routes, and separated bikeways are typical examples of bicycle transportation facilities, which are defined by the California Department of Transportation (Caltrans) as follows:

Figure 4.3-1
Existing Project-Area Transit Routes



Source: Fehr & Peers, 2023.

- *Class I Bikeways (Shared-Use Paths)* provide a separate right-of-way and are designated for the exclusive use of bicycles and pedestrians, with vehicle and pedestrian cross-flow minimized. In general, bike paths serve corridors where on-street facilities are not feasible or where sufficient right-of-way exists to allow them to be constructed.
- *Class II Bikeways (Bicycle Lanes)* are dedicated lanes for bicyclists generally adjacent to the outer vehicle travel lanes. These lanes have special lane markings, pavement legends, and signage. Bicycle lanes are typically five feet wide. Adjacent vehicle parking and vehicle/pedestrian cross-flow are permitted.
- *Class III Bikeways (Bicycle Routes)* are designated by signs or pavement markings for shared use with pedestrians or motor vehicles but have no separated bike right-of-way or lane striping. Bike routes serve either to: a) provide a connection to other bicycle facilities where dedicated facilities are infeasible, or b) designate preferred routes through high-demand corridors.
- *Class IV Bikeways (cycle tracks or "separated" bikeways)* provide a right-of-way designated exclusively for bicycle travel within a roadway and are protected from other vehicle traffic by physical barriers, including, but not limited to, grade separation, flexible posts, inflexible vertical barriers such as raised curbs, or parked cars.

Existing bicycle facilities are provided within the project area and provide connections to key destinations such as the Antioch BART station, retail stores, and restaurants. Existing and proposed bicycle facilities within the project area include the following:

- Hillcrest Avenue (Antioch BART to south of Lone Tree Way): Class II Bike Lane
- Laurel Road (Hillcrest Avenue to O'Hara Avenue): Class II Bike Lane
- Canada Valley Road (Laurel Road to south of Lone Tree Way): Class II Bike Lane
- Lone Tree Way (Hillcrest Avenue to O'Hara Avenue):
    - Westbound: Class III Bike Route
    - Eastbound: Class II Bike Lane
- Empire Avenue (Laurel Road to Lone Tree Way): Class II Bike Lane
- O'Hara Avenue (Laurel Road to south of Lone Tree Way): Class II Bike Lane
- Parallel to SR-4 Northbound (North of Lone Tree Way): Proposed Class I Bike Path

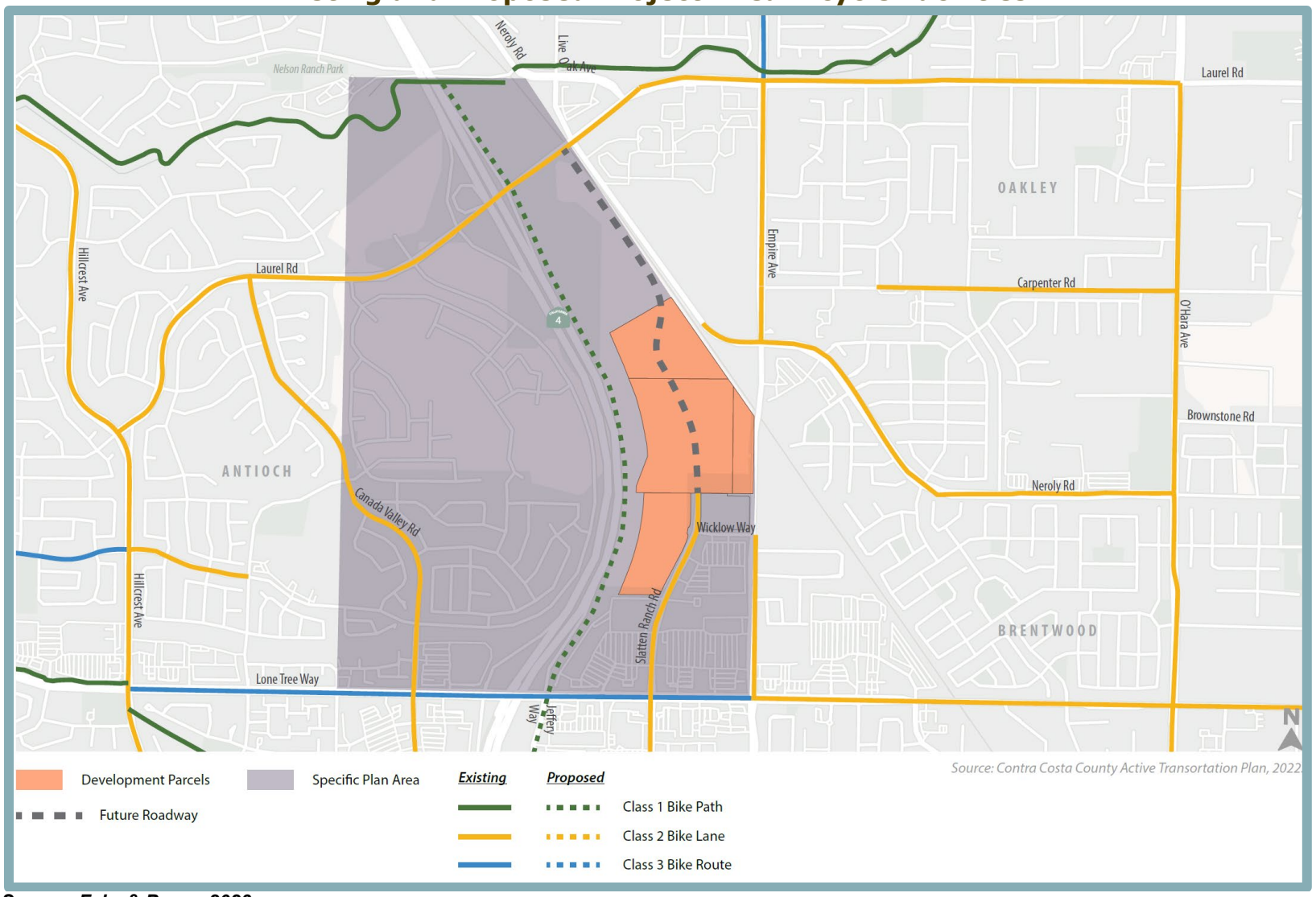
Existing and proposed bicycle facilities in the project area are illustrated on Figure 4.3-2.

Existing Pedestrian Facilities

Pedestrian facilities are available throughout most areas of Antioch, including sidewalks, wheelchair ramps, and crosswalks. In 2018, the CCTA adopted a Countywide Bicycle and Pedestrian Plan, which incorporated Antioch's local pedestrian-focused programs and defined the areas surrounding BART and Amtrak stations in northern Antioch as Pedestrian Priority Areas, which receive priority for funding for pedestrian improvement projects.

The pedestrian environment was evaluated along the connecting roadways that directly serve the project site and adjacent roadways that connect to transit stops and/or nearby destinations in the greater project area. Pedestrian connectivity in the project area is provided by a network of sidewalks and crosswalks that serve Lone Tree Way, Empire Avenue, and Laurel Road. In general, the local pedestrian network is complete. However, gaps in the pedestrian network exist along the following segments and intersections:

Figure 4.3-2
Existing and Proposed Project-Area Bicycle Facilities



Source: Fehr & Peers, 2023.

- Lone Tree Way/SR 4 Southbound Ramps: North-south crosswalk not provided
- Empire Avenue (Wicklow Way to Neroly Road): Sidewalk not provided on both sides of the roadway

Vehicle Miles Travelled

Pursuant to CEQA Guidelines Section 15064.3, VMT is the primary metric used to identify transportation impacts under CEQA. VMT is a metric that accounts for the number of vehicle trips generated and the length or distance of those trips. VMT does not directly measure traffic operations; instead, VMT is a measure of transportation network use and efficiency, especially when expressed as a function of population (i.e., VMT per capita).

As a result of Senate Bill (SB) 743, which is discussed in further detail below, local jurisdictions may no longer rely on vehicle level of service (LOS) and similar measures related to traffic delay as the basis for determining the significance of transportation impacts under CEQA. Thus, consistent with the CEQA Guidelines, VMT is the primary metric used to identify transportation impacts to roadway systems within this chapter.

Consistent with the CCTA VMT thresholds, as discussed in further detail below, for employment-generating uses, project generated home-work VMT per worker constitutes a significant impact if VMT is higher than 85 percent of the home-work VMT per worker in the subject municipality or 85 percent of the existing Bay Area region-wide average home-work VMT per worker, whichever is less stringent.

Consistent with the CCTA VMT threshold, Table 4.3-2 presents the baseline (2023) average daily home-work VMT per employee for the Bay Area, Contra Costa County, and the project area Traffic Analysis Zone (TAZ) at 85 percent of the existing baseline conditions. As shown in the table, home-work trips in the project area TAZ and Contra Costa County are slightly lower than the Bay Area Average.

Table 4.3-2
Existing Average Daily VMT per Employee

Land Use Type	85% of Bay Area Regionwide Average	85% of Countywide Average	Project Area TAZ
Home-Work VMT	13.1	12.8	10.5

Source: Fehr & Peers, 2023.

4.3.3 REGULATORY CONTEXT

Existing transportation policies, laws, and regulations that would apply to the proposed project are summarized below and provide a context for the impact discussion related to the project's consistency with the applicable regulatory conditions. Federal plans, policies, regulations, or laws related to transportation and circulation are not directly applicable to the proposed project. Rather, the analysis presented herein focuses on State and local regulations, which govern the regulatory environment related to transportation and circulation at the project level.

State Regulations

The following are the regulations pertinent to the proposed project at the State level, organized chronologically.

Senate Bill 743

In 2013, SB 743 was passed to amend Sections 65088.1 and 65088.4 of the Government Code, amend Sections 21181, 21183, 21186, 21187, 21189.1, and 21189.3 of the Public Resources Code (PRC), to add Section 21155.4 to the PRC, to add Chapter 2.7 (commencing with Section 21099) to Division 13 of the PRC, to add and repeal Section 21168.6.6 of the PRC, and to repeal and add Section 21185 of the PRC, relating to environmental quality. In response to SB 743, the Office of Planning and Research (OPR) has updated the CEQA Guidelines to include new transportation-related evaluation metrics. In December 2018, the California Natural Resources Agency certified and adopted the CEQA Guidelines update package along with an updated Technical Advisory related to Evaluating Transportation Impacts in CEQA. Full statewide compliance with the Guidelines became effective July 2020. As a result of SB 743, and Section 15064.3 of the CEQA Guidelines, as discussed in further detail below, local jurisdictions may no longer rely on vehicle LOS and similar measures related to delay as the basis for determining the significance of transportation impacts under CEQA, and instead a VMT metric should be evaluated.

Technical Advisory on Evaluating Transportation Impacts in CEQA

In December of 2018, the OPR published the Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory), which is a guidance document to provide advice and recommendations regarding assessment of VMT, thresholds of significance, and mitigation measures. The Technical Advisory is intended to be a resource for the public to use at their discretion, and the OPR does not enforce any part of the recommendations contained therein. The Technical Advisory includes recommendations regarding methodology, screening thresholds, and recommended thresholds per land use type.

Vehicle Miles Traveled-Focused Transportation Impact Study Guide

In May of 2020, Caltrans adopted the Vehicle Miles Traveled-Focused Transportation Impact Study Guide (TISG) to provide direction to lead agencies regarding compliance with SB 743. The TISG replaces the Caltrans' 2002 Guide for the Preparation of Traffic Impact Studies and is for use with local land use projects, not for transportation projects on the State Highway System. The objectives of the TISG are to provide:[4]

a) Guidance in determining when a lead agency for a land use project or plan should analyze possible impacts to the State Highway System, including its users.
b) An update to the Guide for the Preparation of Traffic Impact Studies (Caltrans, 2002) that is consistent with SB 743 and the CEQA Guidelines adopted on December 28, 2018.
c) Guidance for Caltrans land use review that supports state land use goals, state planning priorities, and greenhouse gas (GHG) emission reduction goals.
d) Statewide consistency in identifying land use projects' possible transportation impacts, to the State Highway System, and to identify potential non-capacity increasing mitigation measures.
e) Recommendations for early coordination during the planning phase of a land use project to reduce the time, cost, and/or frequency of preparing a Transportation Impact Study or other indicated analysis.

[4] Caltrans. *Vehicle Miles Traveled-Focused Transportation Impact Study Guide*. May 20, 2020.

Caltrans has jurisdiction over State highways. Therefore, Caltrans controls all construction, modification, and maintenance of State highways, and any improvements to such roadways require Caltrans approval.

Local Regulations

The following are the regulatory agencies and regulations pertinent to the proposed project on a local level.

Contra Costa Transportation Authority

The CCTA is a public agency formed by the Contra Costa voters to manage the County's transportation sales tax program and perform countywide transportation planning. The 2017 Countywide Comprehensive Transportation Plan, adopted September 20, 2017, is the CCTA's most recent, broadest policy and planning document.[5] The Plan identifies the criteria for analyzing transportation impacts and sets forth plans for future roadway improvements in the County. In addition, the Plan relies on collaboration with and between partners, both on the countywide and regional levels. Each of the County's five Regional Transportation Planning Committees created an Action Plan, which identifies a complete list of actions to be completed as a result of the Action Plan.

As part of the Action Plan process, each Regional Transportation Planning Committee identified projects and programs in the form of actions to be included in the Action Plan for the Routes of Regional Significance. Each Action Plan states the vision, goals, and policies; designates Routes of Regional Significance; sets objectives for such routes; and presents specific actions to achieve established objectives. The actions are listed on both a route-by-route and a regional scale, and aim to support the transportation objectives as specified by each Regional Transportation Planning Committee. The latest East County Action Plan for Routes of Regional Significance was adopted September 2017.[6]

VMT Thresholds

On July 15, 2020, the CCTA adopted criteria, standards, and thresholds for the assessment of VMT in the *Approval of the Vehicle Miles Traveled Analysis Methodology for Land Use Projects in the Growth Management Program*. The methods and thresholds adopted by CCTA follow the guidance and recommendations of OPR pertaining to the implementation of SB 743. Current CCTA guidance related to VMT is as follows:

- Residential Projects should use the home-based VMT per capita metric to evaluate project generated VMT. The project generated home-based VMT per resident constitutes a significant impact if it is higher than 85 percent of the home-based VMT per resident in the subject municipality or unincorporated Authority subregion (for areas outside of municipalities) or 85 percent of the existing county-wide average home-based VMT per resident, whichever is less stringent.
- Employment-Generating Projects should use the home-work VMT per worker metric for their project generated VMT estimates. The project generated home-work VMT per worker constitutes a significant impact if it is higher than 85 percent of the home-work VMT per

[5] Contra Costa County Transportation Authority. *2017 Countywide Comprehensive Transportation Plan.* Adopted September 20, 2017.
[6] Contra Costa County Transportation Authority. *East County Action Plan for Routes of Regional Significance.* September 2017.

worker in the subject municipality or unincorporated Authority subregion (for areas outside of municipalities) or 85 percent of the existing Bay Area region-wide average home-work VMT per worker, whichever is less stringent.

- Other Uses and Projects need to be analyzed using a methodology developed by the lead agency specifically for the project, taking into account the specific methodologies and thresholds identified in *Approval of the Vehicle Miles Traveled Analysis Methodology for Land Use Projects in the Growth Management Program*.
- Mixed-Use Projects may be analyzed using a combination of techniques.

In addition, CCTA guidance provides the following criteria to screen projects out of conducting a project-level VMT analysis:

- CEQA Exemption – Any project that is exempt from CEQA is not required to conduct a VMT analysis.
- Small Projects – Small projects can be presumed to cause a less-than-significant VMT impact. Small projects are defined as having 10,000 square feet (sf) or less of non-residential space or 20 residential units or less, or otherwise generating less than 836 VMT per day.
- Local-Serving Uses – Projects that consist of Local-Serving Uses can generally be presumed to have a less-than-significant impact absent substantial evidence to the contrary, because local serving projects would primarily draw users and customers from a relatively small geographic area that will lead to short-distance trips and trips that are linked to other destinations.
- Projects Located in Transit Priority Areas (TPAs) – Projects located within a TPA can be presumed to have a less-than-significant impact absent substantial evidence to the contrary.
- Projects Located in Low VMT Areas – residential and employment-generating projects located within a low VMT-generating area can be presumed to have a less-than-significant impact absent substantial evidence to the contrary. A Low VMT area is defined as follows:
    - For housing projects: Cities, towns and unincorporated portions within Contra Costa that have existing home-based VMT per capita that is 85 percent or less of the existing county-wide average.
    - For employment-generating projects: Cities, towns, and unincorporated portions within Contra Costa that have existing home-work VMT per worker that is 85 percent or less of the existing regional average.

City of Antioch General Plan

The following objectives and policies from the City of Antioch General Plan are applicable to the proposed project:

Objective 7.3.1 Provide adequate roadway capacity to meet the roadway performance standards set forth in the Growth Management Element.

Policy 7.3.2.c Require the design of new developments to focus through traffic onto arterial streets.

Policy 7.3.2.g Require traffic impact studies for all new developments that propose to increase the approved density or

intensity of development or are projected to generate 50 peak hour trips or more at any intersection of Circulation Element roadways. The purpose of these studies is to demonstrate that:

- The existing roadway system, along with roads to be improved by the proposed project, can meet the performance standards set forth in Sections 3.4.1 and 3.4.2 of the Growth Management Element; and
- Required findings of consistency with the provisions of the Growth Management Element can be made.

Policy 7.3.2.l Locate driveways on corner parcels as far away from the intersection as is possible.

Policy 7.3.2.m Avoid locating driveways within passenger waiting areas of bus stops or within bus bays. Locate driveways so that drivers will be able to see around bus stop improvements.

Policy 7.3.2.v Private streets, where permitted, shall provide for adequate circulation and emergency vehicle access. Private streets that will accommodate more than 50 vehicles per hour in the peak hour or that are designed for on-street parking shall be designed to public street standards. The design of other private streets shall be subject to the review and approval of the City Engineer. Private streets shall be improved to public street standards prior to acceptance of dedications to the City.

Policy 7.3.2.x Require new development to construct all on-site roadways, including Circulation Element routes, and provide a fair share contribution for needed off-site improvements needed to maintain the roadway performance standards set forth in the Growth Management Element. Contributions for off-site improvements may be in the form of fees and/or physical improvements, as determined by the City Engineer. Costs associated with mitigating off-site traffic impacts should be allocated on the basis of trip generation, and should have provisions for lower rates for income-restricted lower income housing projects needed to meet the quantified objectives of the General Plan Housing Element.

Objective 7.4.1 Maintenance of a safe, convenient, and continuous network of pedestrian sidewalks, pathways, and bicycle facilities serving both experienced and

casual bicyclists to facilitate bicycling and walking as alternatives to the automobile.

Policy 7.4.2.c Provide street lighting that is attractive, functional, and appropriate to the character and scale of the neighborhood or area, and that contributes to vehicular, pedestrian, and bicycle safety.

Policy 7.4.2.d Maintain roadway designs that maintain mobility and accessibility for bicyclists and pedestrians.

Policy 7.4.2.f Provide, as appropriate, bicycle lanes (Class II) or parallel bicycle/pedestrian paths (Class I) along all arterial streets and high volume collector streets, as well as along major access routes to schools and parks.

Policy 7.4.2.j Permit the sharing or parallel development of pedestrian walkways with bicycle paths, where this can be safely accomplished, in order to maximize the use of public rights-of-way.

Policy 7.4.2.l Require the construction of attractive walkways in new residential, commercial, office, and industrial developments, including provision of shading for pedestrian paths.

Policy 7.4.2.m Maximize visibility and access for pedestrians, and encourage the removal of barriers for safe and convenient movement of pedestrians.

Policy 7.4.2.n Ensure that the site design of new developments provides for pedestrian access to existing and future transit routes and transit centers.

Policy 7.4.2.o Pave walks and pedestrian pathways with a hard, all-weather surface that is easy to walk on. Walks and curbs should accommodate pedestrians with disabilities. Walks within open space areas should have specially paved surfaces that blend with the surrounding environment.

Policy 7.4.2.p In general, design walks to provide a direct route for short to medium distance pedestrian trips, and to facilitate the movement of large numbers of pedestrians. Meandering sidewalks are appropriate in areas where the natural topography or low-density land uses lend themselves to informal landscapes.

Objective 7.5.1 Maintenance of rail and bus transit, providing both local and regional service that is available throughout the week, and operates on par with automobile travel during peak commute hours.

Policy 7.5.2.i Include Tri-Delta Transit in the review of new development projects, and require new development to provide transit improvements in proportion to traffic demands created by the project. Transit improvements may include direct and paved access to transit stops, provision of bus turnout areas and bus shelters, and roadway geometric designs to accommodate bus traffic.

Objective 3.4.3 Maintain acceptable traffic levels of service on City roadways through implementation of Transportation Systems Management, Growth Management, and the City's Capital Improvement Program, and ensure that individual development projects provide appropriate mitigation for their impacts.

Policy 3.4.4.a Place ultimate responsibility for mitigating the impacts of future growth and development, including construction of new and widened roadways with individual development projects. The City's Capital Improvements Program will be used primarily to address the impacts of existing development, and to facilitate adopted economic development programs.

Policy 3.4.4.c Ensure that development projects pay applicable regional traffic mitigation fees and provide appropriate participation in relation to improvements for routes of regional significance (see also Circulation Element Policy 5.3.1f).

4.3.4 IMPACTS AND MITIGATION MEASURES

The standards of significance to be used in identifying transportation impacts are presented below. In addition, the methods used to analyze the impacts of the project on the roadway, bicycle, pedestrian, and transit systems are provided in the following section. A discussion of the project's impacts, as well as mitigation measures where necessary, is also presented.

Standards of Significance

Consistent with Appendix G of the CEQA Guidelines, the proposed project would be considered to result in a significant adverse impact on the environment in relation to transportation if the project would result in any of the following:

- Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities;
- Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b);
- Substantially increase hazards to vehicle safety due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment); or
- Result in inadequate emergency access.

The specific threshold related to VMT, based on guidance from the City of Antioch and the CCTA, is presented below.

Vehicle Miles Traveled Standard of Significance

According to Section 15064.3(b)(3) of the CEQA Guidelines, a lead agency has discretion to choose the most appropriate methodology to evaluate a project's VMT, including whether to express the change in absolute terms, per capita, per household, or in any other measure. Thus, a lead agency may analyze a project's VMT qualitatively based on the availability of transit, proximity to destinations, etc. Additionally, OPR recommends that for most instances, a per service population threshold should be adopted and that a 15 percent reduction below that of existing development would be a reasonable threshold.

As lead agency, the City of Antioch does not currently have established VMT significance thresholds for environmental review purposes. However, the CCTA provides recommended criteria, standards, and thresholds for the assessment of VMT in the CCTA Growth Management Program Implementation Guide.[7] As noted therein, the recommended Target VMT Reduction of 85 percent of baseline levels, is largely based on the OPR's Technical Advisory. Therefore, the methods and thresholds adopted by CCTA follow the guidance and recommendations of OPR pertaining to the implementation of SB 743. As the City of Antioch has not yet formally adopted VMT criteria, standards, or thresholds at the time, this EIR follows the current OPR and CCTA guidance related to VMT.

As discussed above, for employment-generating uses, project generated home-work VMT per worker constitutes a significant impact if it is higher than 85 percent of the home-work VMT per worker in the subject municipality or unincorporated Authority subregion (for areas outside of municipalities) or 85 percent of the existing Bay Area region-wide average home-work VMT per worker, whichever is less stringent. As such, for analysis purposes herein, the applicable threshold of significance is 85 percent of the existing average home-work VMT per resident for the Bay Area region, which is equal to 13.3 VMT per resident.

Transit, Bicycle, and Pedestrian Facility Standards of Significance

According to the TIA prepared for the proposed project, the proposed project would create a significant impact related to transit service if the project interferes with existing transit facilities or precludes the construction of planned transit facilities.

Additionally, the proposed project would create a significant impact related to the bicycle or pedestrian system if any of the following criteria are met:

1. The proposed project would disrupt existing bicycle or pedestrian facilities;
2. The proposed project would interfere with planned bicycle or pedestrian facilities; or
3. The proposed project would create inconsistencies with adopted bicycle or pedestrian system plans, guidelines, policies, or standards.

Method of Analysis

The information contained within this chapter is primarily based on the TIA prepared for the proposed project by Fehr & Peers, as well as the City of Antioch General Plan and associated

[7] Contra Costa Transportation Authority. *Implementation Guide*. February 17, 2021.

EIR. The analysis methodology provided in the TIA prepared for the proposed project by Fehr & Peers is discussed below.

It should be noted that the proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the ELTSP. Rather, the City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area through a Specific Plan Amendment to streamline future commercial development approvals and minimize the need for further CEQA review. Approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses without requiring further CEQA analysis. Therefore, while the proposed project does not include any specific development proposals, given the project site is currently designated CR/E and CE, the proposed Specific Plan Amendment would allow for the development of up to 1,530,176 sf of retail and/or employment uses on the project site.

In order to analyze VMT associated with existing development in the project area, as well as future development associated with the proposed project, Fehr & Peers used the CCTA travel demand model to estimate average daily VMT. Pursuant to CCTA guidance, home-work VMT was used to evaluate VMT generated by future on-site development. The CCTA Model was used to assess the proposed project's effects on VMT. The CCTA Model assigns all predicted trips within, across, or to or from the nine-county San Francisco Bay Area region onto the roadway network and the transit system by mode (single-driver and carpool vehicle, biking, walking, or transit) and transit carrier (bus, rail) for a particular scenario. A select zone analysis was conducted using the CCTA model, whereby all the trips generated by future development associated with the proposed project were tracked through the transportation system. In addition, because the proposed zoning would allow either office or retail uses on the site, the CCTA model was run for a 100 percent office use development scenario, as well as a 100 percent retail use development scenario.

Because the proposed project is a Specific Plan Amendment, which focuses on the long-range development of parcels within the City, the VMT analysis evaluated the potential transportation outcomes within the cumulative scenario, which in the case of the proposed project, is identical to project conditions. Specifically, VMT calculations were prepared for the following scenarios:

- **Baseline No Project:** VMT was calculated using the year 2023 CCTA Model.
- **Cumulative No Project:** VMT was calculated using the year 2040 CCTA Model
- **Cumulative Plus Project:** VMT was calculated using the year 2040 CCTA Model with the proposed project added into TAZ 30691.[8]

Land use files for baseline (2023) conditions were verified with current conditions in the project area. In addition, both the 100 percent office use and the 100 percent retail use development scenarios were modeled to reflect cumulative (2040) conditions with buildout of the proposed project, in conjunction with the General Plans of the surrounding communities, and other approved and planned developments. The recently approved City of Antioch Housing Element was included in the cumulative no project forecasts, along with the unbuilt elements of the ELTSP, as shown in Table 4.3-3.

[8] The CCTA Model area is divided into geographic sub-areas called traffic analysis zones (TAZs). TAZs are used in the CCTA Model to connect the land uses to the roadway network. Each TAZ includes land use information for that geographic sub-area within the model. The project site is located in TAZ 30691.

Impacts under cumulative plus project conditions were identified based on the proposed project's effect on total VMT per service population. The normalized total VMT on all roadways within the study area was compared between cumulative no project and cumulative plus project conditions. In addition to the proposed project's effect on total VMT per service population, the total home-based work VMT per employee was also calculated and compared to the countywide and regionwide averages. Analyzing total home-based work VMT per employee provides information relative to the VMT efficiency of locating retail and employment uses in the ELTSP area.

Table 4.3-3
Cumulative No Project Forecasted Projects

Project	Size	Units	Project Type
Antioch Housing Element Update	4,575	Multi-Family Dwelling Units	Residential
Antioch Housing Element Update	136	Single-Family Dwelling Units	Residential
East Lone Tree Specific Plan (Development Parcels Approved Uses)	3,656	Total Employees	Specific Plan

Sources: City of Antioch 2023-2031 Housing Element Update, March 2023; East Lone Tree Specific Plan, July 2005.

Project-Specific Impacts and Mitigation Measures

The proposed project impacts on the transportation system are evaluated in this section based on the thresholds of significance and methodology described above. Each impact is followed by recommended mitigation to reduce the identified impacts, if needed.

4.3-1 Conflict with a program, plan, ordinance, or policy addressing the circulation system during construction activities. Based on the analysis below and with implementation of mitigation, the impact is *less than significant*.

Construction activities associated with future development of the project site would include the use of construction vehicles, including vehicles removing or delivering building materials, bulldozers, and other heavy machinery, as well as construction worker activity. The project would include the export of approximately 13,443 sf of demolished building materials associated with the existing structures currently located on Parcel 3 and, thus, would require the use of haul trucks for material movement. However, haul truck traffic would be temporary, and would be limited to normal working hours, as specified by the City's General Plan and Municipal Code. In addition, all construction traffic generated by the proposed project would be required to follow designated truck routes, and project construction would likely stage any large vehicles (i.e., earth- moving equipment, cranes, etc.) on the specific development site prior to beginning site work and remove such vehicles at project completion. However, given that the proposed project does not include any specific development proposals, detailed information relating to the construction schedule during site development or a construction management plan is not available. Once the construction schedule for future development is finalized, the schedule would require City review in conjunction

with the schedule of construction of neighboring projects. In the absence of such review, construction traffic associated with future development of the project site could result in short-term adverse effects to the local roadway system, and a ***significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

4.3-1 *Prior to the issuance of any grading and/or building permits for any CR/E or CE designated site within the ELTSP area, the project applicant that is proposing to develop a CR/E or CE designated site shall submit a construction management plan for the applicable site, subject to review and approval by the City Engineer. The requirements within the construction management plan shall include, but are not necessarily limited to, the following elements:*

- *Project staging plan to maximize on-site storage of materials and equipment;*
- *A set of comprehensive traffic control measures, including scheduling of major truck trips and deliveries to avoid peak hours; lane closure proceedings; signs, cones, and other warning devices for drivers; and designation of construction access routes;*
- *Permitted construction hours;*
- *Location of construction staging;*
- *Identification of parking areas for construction employees, site visitors, and inspectors, including on-site locations; and*
- *Provisions for street sweeping to remove construction related debris on public streets.*

4.3-2 Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. Based on the analysis below, the impact is *less than significant*.

The following discussions evaluate whether the proposed project would result in impacts to existing or planned transit, bicycle, or pedestrian facilities and services within the project vicinity.

Transit Facilities

As discussed above, three Tri Delta Transit routes, Routes 384, 385, and 395, operate in the vicinity of the project site. In addition, BART provides fixed rail transit to Eastern Contra Costa County, with the terminus station located in Antioch at the Hillcrest Avenue interchange, approximately five miles from the project site. Amtrak also offers regional passenger rail service from Antioch to the San Francisco Bay Area, Sacramento, and Bakersfield by way of the San Joaquin line. According to the TIA prepared for the proposed project, the project does not include features that would

interfere with existing transit facilities or preclude the construction of planned transit facilities. Therefore, a less-than-significant impact related to transit facilities would occur.

Bicycle Facilities

As discussed above and presented in Figure 4.3-2, several existing and proposed bicycle facilities are located within the project area. Given that the proposed project does not include any specific development proposals, designated bicycle facilities (lanes, routes, or paths) are not currently proposed as part of the project. Nonetheless, according to the TIA prepared for the proposed project, the proposed project does not include any features that would disrupt existing bicycle facilities, or interfere with planned bicycle facilities, and the proposed project is consistent with adopted bicycle system plans, guidelines, policies, or standards. Therefore, a less-than-significant impact related to bicycle facilities would occur.

Pedestrian Facilities

Pedestrian connectivity in the project area is provided by a network of sidewalks and crosswalks that serve Lone Tree Way, Empire Avenue, and Laurel Road. In general, the local pedestrian network is complete, with the exception of two gaps that occur at the Lone Tree Way/SR 4 Southbound Ramp intersection and a segment of Empire Avenue from Wicklow Way to Neroly Road.

Given that the proposed project does not include any specific development proposals, designated pedestrian facilities (sidewalks, crosswalks, etc.) are not currently proposed as part of the project. Nonetheless, the proposed project does not include any features that would disrupt existing pedestrian facilities, or interfere with planned pedestrian facilities, and the proposed project is consistent with adopted pedestrian system plans, guidelines, policies, or standards. Therefore, a less-than-significant impact related to pedestrian facilities would occur.

Conclusion

Based on the above, the proposed project would not conflict with an applicable plan, ordinance, or policy addressing the circulation system, including transit, bicycle, and pedestrian facilities. Therefore, a ***less-than-significant*** impact would occur.

Mitigation Measure(s)

None required.

4.3-3 Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). Based on the analysis below, the impact is *less than significant*.

The analysis of the two potential project development scenarios' impact on total VMT per service population within the project region is summarized in Table 4.3-4 for informational purposes. It should be noted that the total VMT takes into account how other trips are redistributed due to the presence of future development facilitated by the proposed project.

As shown in Table 4.3-4, both the maximum office space alternative and maximum retail space alternative are expected to result in a total VMT per service population of 16.1, which is equivalent to the current countywide average and significance threshold. Thus, the project is expected to result in a less-than-significant impact related to total VMT. Combinations of development on the subject parcels that included partial retail and partial office buildouts would be expected to have similar results.

Table 4.3-5 presents the home-based work VMT per employee for the two development scenarios.

Table 4.3-4
Project Area Total VMT Analysis Summary

Scenario	Threshold (County-wide)	Project Effect on VMT (Total VMT per Service Population)		Change from Threshold
		No Project	With Project	
Development Scenario 1 (Maximum Office)	16.1	16.1	16.1	+0.0 (+0%)
Development Scenario 2 (Maximum Retail)	16.1	16.1	16.1	+0.0 (+0%)

Source: Fehr & Peers, 2023.

Table 4.3-5
Home-Work VMT Analysis Summary

Scenario	85% of Bay Area Regionwide Average (Threshold)	85% of Countywide Average	Project TAZ Home-Work VMT per Employee		Change from Threshold
			No Project	With Project	
Baseline (2023)	13.1	12.8	10.5	-	-
Development Scenario 1 (Maximum Office)	13.3	12.9	8.3	7.9	-5.4 (-40.6%)
Development Scenario 2 (Maximum Retail)	13.3	12.9	8.3	8.3	-5.0 (-37.6%)

Source: Fehr & Peers, 2023.

As shown in Table 4.3-5, home-work VMT per employee for both the maximum office and maximum retail development scenarios are substantially below the Bay Area regionwide and Countywide averages. In addition, the TIA noted that the prevalence of residential land uses in southeast Antioch, Oakley and Brentwood, and the presence of additional employment sites within the project site would result in shorter home-

work trips for future employees traveling to and from the project TAZ. Therefore, per-capita VMT associated with the proposed project would be less than significant.

Based on the above, the proposed project would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b), and a ***less-than-significant*** impact would occur.

Mitigation Measure(s)
None required.

4.3-4 Substantially increase hazards to vehicle safety due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment), or result in inadequate emergency access. Based on the analysis below, the impact is *less than significant*.

As discussed above, the proposed project consists of a Specific Plan Amendment to modify the approval process for commercial development within the CR/E or CE designated parcels of the ELTSP Area, and does not include any site-specific development plans, designs, or proposals at this time. Therefore, implementation of the proposed project would not directly result in increased traffic hazards or inadequate emergency access.

With regard to future development of the project site with regional retail/employment uses, in accordance with all appropriate provisions within the City of Antioch General Plan and Municipal Code, intersections and street sections in the project vicinity, as well as within the project site, would be reviewed by the City of Antioch and the fire department to ensure the streets are designed to provide adequate emergency access and comply with City standards. In addition, any drive aisles proposed within future on-site parking areas would be required be sufficiently sized to accommodate emergency vehicle access throughout the sites.

Based on the above, the proposed project would not substantially increase hazards due to design features or incompatible uses, or result in inadequate emergency access. Therefore, the project would result in a ***less-than-significant*** impact.

Mitigation Measure(s)
None required.

Cumulative Impacts and Mitigation Measures

As defined in Section 15355 of the CEQA Guidelines, “cumulative impacts” refers to two or more individual effects which, when considered together, are considerable, compound, or increase other environmental impacts. The individual effects may be changes resulting from a single project or a number of separate projects. The cumulative impact from several projects is the change in the environment that results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. The cumulative setting for the proposed project is discussed above under the Cumulative Scenario Assumptions in the Method of Analysis section of this chapter. For further detail related to the

cumulative setting of the proposed project, refer to Chapter 5, Statutorily Required Sections, of this EIR.

Transit, Bicycle, and Pedestrian Facilities Analysis

It should be noted that increased traffic volumes on local roadway facilities under cumulative conditions would not substantially alter performance related to bicycle facilities, pedestrian facilities, transit facilities and services, and emergency vehicle access. Rather, impacts to such facilities under cumulative plus project conditions would be identical to those discussed above under Impacts 4.3-2 and 4.3-4. In addition, construction activities associated with the project, as discussed under Impact 4.3-1, would be complete prior to the cumulative analysis year. Therefore, such topics are not discussed further in the cumulative analysis presented herein.

VMT Analysis

As discussed in the Method of Analysis section above, both project development scenarios were modeled to reflect cumulative (2040) conditions with buildout of the proposed project in conjunction with the General Plans of the surrounding communities, and other approved and planned developments. The recently approved City of Antioch Housing Element was included in the VMT analysis scenarios, along with the unbuilt elements of the ELTSP. Therefore, the VMT impact analysis included under Impact 4.3-3 is inherently cumulative in nature, and, as a result, an analysis of VMT is not presented in this section, as the conclusion would remain identical to that presented under Impact 4.3-3.

5. Statutorily Required Sections

5. STATUTORILY REQUIRED SECTIONS

5.1 INTRODUCTION

The Statutorily Required Sections chapter of the Supplemental EIR (SEIR) includes discussions regarding those topics that are required to be included in an SEIR, pursuant to CEQA Guidelines, Section 15126.2. The chapter includes a discussion of the proposed project's potential to result in growth-inducing impacts; the cumulative setting analyzed in this SEIR; significant irreversible environmental changes; and significant and unavoidable impacts caused by the proposed project.

5.2 GROWTH-INDUCING IMPACTS

State CEQA Guidelines section 15126.2(d) requires an EIR to evaluate the potential growth-inducing impacts of a proposed project. Specifically, an EIR must discuss the ways in which a proposed project could foster economic or population growth, or the construction of additional housing, either directly or indirectly, in the surrounding environment. Growth can be induced in a number of ways, including the elimination of obstacles to growth, or by encouraging and/or facilitating other activities that could induce growth. Examples of projects likely to have growth-inducing impacts include extensions or expansions of infrastructure systems beyond what is needed to serve project-specific demand, and development of new residential subdivisions or office complexes in areas that are currently only sparsely developed or are undeveloped.

The CEQA Guidelines are clear that while an analysis of growth-inducing effects is required, it should not be assumed that induced growth is necessarily significant or adverse. This analysis examines the following potential growth-inducing impacts related to implementation of the proposed project and assesses whether these effects are significant and adverse (see CEQA Guidelines, Section 15126.2[d]):

1. Foster population and economic growth and construction of housing.
2. Eliminate obstacles to population growth.
3. Affect service levels, facility capacity, or infrastructure demand.
4. Encourage or facilitate other activities that could significantly affect the environment.

As discussed throughout this SEIR, the proposed project does not include any specific development proposals or new uses as compared to what was anticipated in the East Lone Tree Specific Plan (ELTSP). Rather, the City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area through a Specific Plan Amendment to streamline future commercial development approvals and minimize the need for further CEQA review. Approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses without requiring further CEQA analysis. However, as described in the Introduction chapter of this SEIR, the SEIR is only required to evaluate the changes in the project, changes in circumstances, or new information; therefore, the focus of this SEIR is on the potential new or substantially more severe significant impacts caused by such changes that were not evaluated in the prior EIR. With the exception of Biological Resources, GHG Emissions and Energy, and Transportation, the remaining chapters of the 1995 ELTSP EIR remain applicable and the associated mitigation measures are still required. Accordingly, because the proposed project is not modifying the

intended uses of the site, any growth associated with future development of the site with CR/E or CE uses, or increase in demand for services and/or infrastructure needed to serve the future development on the site, have already been anticipated by the City. The proposed project would not result in any new, unplanned growth or increase in demand for services.

Overall, based on the above, the proposed project would not result in significant or adverse growth-inducing impacts.

5.3 CUMULATIVE IMPACTS

CEQA Guidelines, Section 15130 requires that an EIR discuss the cumulative and long-term effects of the proposed project that would adversely affect the environment. "Cumulative impacts" are defined as "two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts" (CEQA Guidelines, Section 15355). "[I]ndividual effects may be changes resulting from a single project or a number of separate projects" (CEQA Guidelines, Section 15355, subd. [a]). "The cumulative impact from several projects is the change in the environment which results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time" (CEQA Guidelines, Section 15355, subd. [b]).

The need for cumulative impact assessment reflects the fact that, although a project may cause an "individually limited" or "individually minor" incremental impact that, by itself, is not significant, the increment may be "cumulatively considerable," and, thus, significant, when viewed together with environmental changes anticipated from past, present, and probable future projects (CEQA Guidelines, Section 15064, subd. [h(1)], Section 15065, subd. [c], and Section 15355, subd. [b]). Accordingly, particular impacts may be less than significant on a project-specific basis but significant on a cumulative basis if their small incremental contribution, viewed against the larger backdrop, is cumulatively considerable. However, it should be noted that CEQA Guidelines, Section 15064, subdivision (h)(4) states, "[t]he mere existence of significant cumulative impacts caused by other projects alone shall not constitute substantial evidence that the proposed project's incremental effects are cumulatively considerable." Therefore, even where cumulative impacts are significant, any level of incremental contribution is not necessarily deemed cumulatively considerable.

Section 15130(b) of CEQA Guidelines indicates that the level of detail of the cumulative analysis need not be as great as for the project impact analyses, but that analysis should reflect the severity of the impacts and their likelihood of occurrence, and that the analysis should be focused, practical, and reasonable. To be adequate, a discussion of cumulative effects must include the following elements:

> (1) Either (a) a list of past, present and probable future projects, including, if necessary, those outside the agency's control, or (b) a summary of projections contained in an adopted local, regional, or statewide plan, or related planning document, that describes or evaluates conditions contributing to the cumulative effect. Such plans may include: a general plan, regional transportation plan, or plans for the reduction of greenhouse gas emissions. A summary of projections may also be contained in an adopted or certified prior environmental document for such a plan. Such projections may be supplemented with additional information such as a regional modeling program. Any such documents shall be referenced and made available to the public at a location specified by the lead agency;

(2) When utilizing a list, as suggested in paragraph (1) of subdivision (b), factors to consider when determining whether to include a related project should include the nature of each environmental resource being examined, the location of the project and its type. Location may be important, for example, when water quality impacts are at issue since projects outside the watershed would probably not contribute to a cumulative effect. Project type may be important, for example, when the impact is specialized, such as a particular air pollutant or mode of traffic.;

(3) Lead agencies should define the geographic scope of the area affected by the cumulative effect and provide a reasonable explanation for the geographic limitation used;

(4) A summary of the expected environmental effects to be produced by those projects with specific reference to additional information stating where that information is available; and

(5) A reasonable analysis of the cumulative impacts of the relevant projects. An EIR shall examine reasonable, feasible options for mitigating or avoiding the project's contribution to any significant cumulative effects. (Section 15130[b]).

For some projects, the only feasible mitigation measures will involve the adoption of ordinances or regulations, rather than the imposition of conditions on a project-by-project basis (Section 15130[c]). Section 15130(a)(3) states that an EIR may determine that a project's contribution to a significant cumulative impact will be rendered less than cumulatively considerable, and thus not significant, if a project is required to implement or fund the project's fair share of a mitigation measure or measures designed to alleviate the cumulative impact.

A discussion of cumulative impacts is provided within each of the technical chapters of this EIR pursuant to CEQA Guidelines Section 15130.

Cumulative Setting

The lead agency should define the relevant geographic area of inquiry for each impact category (id., Section 15130, subd. [b][3]), and should then identify the universe of "past, present, and probable future projects producing related or cumulative impacts" relevant to the various categories, either through the preparation of a "list" of such projects or through the use of "a summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or area wide conditions contributing to the cumulative impact" (id., subd. [b][1]).

As discussed in Chapter 4.1, Biological Resources, of this EIR, the cumulative biological resources setting includes buildout of the City of Antioch General Plan planning area.

Emissions of greenhouse gas (GHG) contributes, on a cumulative basis, to the significant adverse environmental impacts of global climate change (e.g., sea level rise, impacts to water supply and water quality, public health impacts, impacts to ecosystems, impacts to agriculture, and other environmental impacts). A single project could not generate enough GHG emissions to contribute noticeably to a change in the global average temperature. However, the combination of GHG emissions from a project in combination with other past, present, and future projects could contribute substantially to the world-wide phenomenon of global climate change and the associated environmental impacts. Although the geographical context for global climate change is the Earth, for analysis purposes under CEQA, and due to the regulatory context pertaining to

GHG emissions and global climate change applicable to the proposed project, the geographical context for global climate change in this SEIR is limited to the State of California.

As discussed in Chapter 4.2, Transportation, of this EIR, two project development scenarios were modeled, both of which reflect conditions forecast to occur in the year 2040 with buildout of the proposed project in conjunction with the General Plans of the surrounding communities, and other approved and planned developments. The recently approved City of Antioch Housing Element was included in the analysis scenarios, along with the unbuilt elements of the ELTSP. Therefore, the analysis included in this SEIR related to transportation is inherently cumulative in nature. Further detail regarding the cumulative transportation setting is described in the Method of Analysis section of Chapter 4.2, Transportation, of this EIR.

Cumulative impacts are analyzed in each of the technical chapters of this SEIR, where the specific cumulative setting for each resource area is presented along with a cumulative impact discussion.

5.4 SIGNIFICANT IRREVERSIBLE ENVIRONMENTAL CHANGES

Per CEQA Guidelines Section 15126.2(c), this EIR is required to include consideration of significant irreversible environmental changes that would be caused by the proposed project, should the project be implemented. An impact would be determined to be a significant and irreversible change in the environment if:

- Buildout of the project area could involve a large commitment of nonrenewable resources;
- The primary and secondary impacts of development could generally commit future generations to similar uses (e.g., a highway provides access to a previously remote area);
- Development of the proposed project could involve uses in which irreversible damage could result from any potential environmental accidents associated with the project; or
- The phasing and eventual development of the project could result in an unjustified consumption of resources (e.g., the wasteful use of energy).

The proposed project would likely result in, or contribute to, the following significant irreversible environmental changes:

- Conversion of vacant land to commercial uses, thus precluding alternative land uses in the future;
- Placement and/or extension of roadways in areas providing access to the proposed project and connecting to adjacent developments;
- Irreversible consumption of goods and services, such as fire and police services associated with project buildout; and
- Irreversible consumption of energy and natural resources, such as water, electricity, and natural gas, associated with the project buildout.

5.5 SIGNIFICANT AND UNAVOIDABLE IMPACTS

According to CEQA Guidelines, an EIR must include a description of those impacts identified as significant and unavoidable should the proposed action be implemented (CEQA Guidelines §15126.2[b]). Such impacts would be considered unavoidable when the determination is made that either mitigation is not feasible or only partial mitigation is feasible such that the impact is not reduced to a level that is less-than-significant.

Based on the analysis provided in Chapters 4.1 through 4.3 of this EIR, the proposed project would not result in any significant and unavoidable impacts. All impacts identified in this SEIR could be eliminated or reduced to a less-than-significant level by mitigations imposed by the City. The final determination of the significance of impacts and the feasibility of mitigation measures would be made by the City as part of the City's certification action.

6. Alternatives Analysis

6. ALTERNATIVES ANALYSIS

6.1 INTRODUCTION

The Alternatives Analysis chapter of this Supplemental EIR (SEIR) includes consideration and discussion of a range of reasonable alternatives to the proposed project, which would consist of a Specific Plan Amendment to the East Lone Tree Specific Plan (ELTSP), as required per CEQA Guidelines Section 15126.6. Generally, the chapter includes discussions of the following: the purpose of an alternatives analysis; alternatives considered but dismissed; reasonable range of project alternatives and their associated impacts in comparison to the proposed project's impacts; and the environmentally superior alternative.

6.2 PURPOSE OF ALTERNATIVES

The primary intent of the alternatives evaluation in an EIR, as stated in Section 15126.6(a) of the CEQA Guidelines, is to "[…] describe a range of reasonable alternatives to the project, or to the location of the project, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and evaluate the comparative merits of the alternatives." In the context of CEQA Guidelines Section 21061.1, "feasible" is defined as:

> ...capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social and technological factors.

Section 15126.6(f) of CEQA Guidelines states, "The range of alternatives required in an EIR is governed by a "rule of reason" that requires the EIR to set forth only those alternatives necessary to permit a reasoned choice." Section 15126.6(f) of CEQA Guidelines further states:

> The alternatives shall be limited to ones that would avoid or substantially lessen any of the significant effects of the project. Of those alternatives, the EIR need examine in detail only the ones that the lead agency determined could feasibly attain most of the basic objectives of the project.

In addition, an EIR is not required to analyze alternatives when the effects of the alternative "cannot be reasonably ascertained and whose implementation is remote and speculative."

The CEQA Guidelines provide the following guidance for discussing alternatives to a proposed project:

- An EIR shall describe a range of reasonable alternatives to the project, or to the location of the project, which would feasibly attain most of the basic objectives of the project, but would avoid or substantially lessen any of the significant effects of the project, and evaluate the comparative merits of the alternatives (CEQA Guidelines Section 15126.6[a]).
- Because an EIR must identify ways to mitigate or avoid the significant effects that a project may have on the environment (Public Resources Code Section 21002.1), the discussion of alternatives shall focus on alternatives to the project or its location which are capable

of avoiding or substantially lessening any significant effects of the project, even if these alternatives would impede to some degree the attainment of the project objectives, or would be more costly (CEQA Guidelines Section 15126.6[b]).

- The EIR should briefly describe the rationale for selecting the alternatives to be discussed. The EIR should also identify any alternatives that were considered by the lead agency but were rejected as infeasible during the scoping process and briefly explain the reasons underlying the lead agency's determination […] Among the factors that may be used to eliminate alternatives from detailed consideration in an EIR are: (i) failure to meet most of the basic project objectives, (ii) infeasibility, or (iii) inability to avoid significant environmental impacts (CEQA Guidelines Section 15126.6[c]).
- The EIR shall include sufficient information about each alternative to allow meaningful evaluation, analysis, and comparison with the proposed project. A matrix displaying the major characteristics and significant environmental effects of each alternative may be used to summarize the comparison (CEQA Guidelines Section 15126.6[d]).
- If an alternative would cause one or more significant effects in addition to those that would be caused by the project as proposed, the significant effects of the alternative shall be discussed, but in less detail than the significant effects of the project as proposed (CEQA Guidelines Section 15126.6[d]).
- The specific alternative of "no project" shall also be evaluated along with its impact. The purpose of describing and analyzing a no project alternative is to allow decision-makers to compare the impacts of approving the proposed project with the impacts of not approving the proposed project. The no project alternative analysis is not the baseline for determining whether the proposed project's environmental impacts may be significant, unless it is identical to the existing environmental setting analysis which does establish that baseline (CEQA Guidelines Section 15126.6[e][1]).
- If the environmentally superior alternative is the "no project" alternative, the EIR shall also identify an environmentally superior alternative among the other alternatives (CEQA Guidelines Section 15126.6[e][2]).

Project Objectives

Based on the above, reasonable alternatives to the project must be capable of feasibly attaining most of the basic objectives of the project. The proposed project is being pursued with the following objectives:

1. Facilitate economic development within the City of Antioch
2. Facilitate commercial development in order to increase employment opportunities within Antioch.
3. Encourage a land use mix in Antioch that supports an economically vibrant and high amenity community.
4. Streamline future commercial project approvals consistent with the ELTSP.
5. Minimize future CEQA review for commercial projects consistent with the ELTSP.

Impacts Identified in the EIR

In addition to attaining the majority of project objectives, reasonable alternatives to the project must be capable of reducing the magnitude of, or avoiding, identified significant environmental impacts of the proposed project. The significance level of impacts identified in the SEIR are presented below.

Less Than Significant or No Impact

As discussed in each respective section of this EIR, the proposed project would result in no impact or a less-than-significant impact related to the following topics associated with the resource area indicated, and mitigation would not be required:

- ***Biological Resources:*** The SEIR determined that the proposed project would not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the CDFW or USFWS, or State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means; interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites; conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan; or result in a cumulative loss of habitat for special-status species. As such, the SEIR concluded such impacts would be less than significant.

- ***Greenhouse Gas Emissions and Energy:*** The SEIR determined that the proposed project would not result in the inefficient or wasteful use of energy, or conflict with a State or local plan for renewable energy or energy efficiency, or result in a cumulatively considerable inefficient or wasteful use of energy or conflict with a State or local plan for renewable energy or energy efficiency. As such, the SEIR concluded such impacts would be less than significant.

- ***Transportation.*** The SEIR determined that impacts related to conflicting with a program, plan, ordinance, or policy addressing the circulation system including transit, roadway, bicycle, and pedestrian facilities; conflicting or being inconsistent with CEQA Guidelines section 15064.3, subdivision (b); and substantially increasing hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment), or resulting in inadequate emergency access would be less than significant.

As stated above, reasonable alternatives to the project must be capable of reducing the magnitude of, or avoiding, identified significant environmental impacts of the proposed project. Because the proposed project would not result in significant impacts related to the topics listed above, a comparison of potential impacts associated with the aforementioned topics as a result of project alternatives versus the proposed project is not provided in this chapter. Rather, this chapter focuses on those resource areas and specific impacts listed below that have been identified for the proposed project as requiring mitigation to reduce significant impacts to less than significant.

Less Than Significant with Mitigation

Significant environmental impacts of the proposed project that have been identified as requiring mitigation measures to ensure that the level of significance is ultimately less than significant include the following:

- ***Biological Resources:*** The SEIR determined that implementation of the proposed project could have a substantial adverse effect, either directly or through habitat modifications, on

special-status plant or wildlife species; and could conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. The SEIR requires mitigation in order to ensure that the impacts are reduced to less-than-significant levels.

- ***Greenhouse Gas Emissions and Energy:*** The SEIR determined that implementation of the proposed project could generate greenhouse gas (GHG) emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. The SEIR requires mitigation in order to ensure that the impacts are reduced to less-than-significant levels.

- ***Transportation:*** The EIR determined that implementation of the proposed project could conflict with a program, plan, ordinance, or policy addressing the circulation system during construction activities. However, the SEIR requires mitigation in order to ensure that the impact is reduced to a less-than-significant level.

6.3 SELECTION OF ALTERNATIVES

The requirement that an EIR evaluate alternatives to the proposed project or alternatives to the location of the proposed project is a broad one; the primary intent of the alternatives analysis is to disclose other ways that the objectives of the project could be attained, while reducing the magnitude of, or avoiding, one or more of the environmental impacts of the proposed project. Alternatives that are included and evaluated in the EIR must be feasible alternatives. However, the CEQA Guidelines require the EIR to "set forth only those alternatives necessary to permit a reasoned choice." As stated in Section 15126.6(a), an EIR need not consider every conceivable alternative to a project. Rather it must consider a reasonable range of potentially feasible alternatives that will foster informed decision making and public participation. The CEQA Guidelines provide a definition for "a range of reasonable alternatives" and thus limit the number and type of alternatives that may need to be evaluated in a given EIR. According to the CEQA Guidelines Section 15126.6(f):

> The alternatives shall be limited to ones that would avoid or substantially lessen any of the significant effects of the project. Of those alternatives, the EIR need examine in detail only the ones that the lead agency determined could feasibly attain most of the basic objectives of the project.

First and foremost, alternatives in an EIR must be feasible. In the context of CEQA Guidelines Section 21061.1, "feasible" is defined as:

> ...capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social and technological factors.

Finally, an EIR is not required to analyze alternatives when the effects of the alternative "cannot be reasonably ascertained and whose implementation is remote and speculative."

Alternatives Considered But Dismissed From Further Analysis

Consistent with CEQA, primary consideration was given to alternatives that could reduce significant impacts, while still meeting most of the basic project objectives.

As stated in Guidelines Section 15126.6(c), among the factors that may be used to eliminate alternatives from detailed consideration in an EIR are:

(i) failure to meet most of the basic project objectives,
(ii) infeasibility, or
(iii) inability to avoid significant environmental impacts.

Regarding item (ii), infeasibility, among the factors that may be taken into account when addressing the feasibility of alternatives are site suitability, economic viability, availability of infrastructure, general plan consistency, other plans or regulatory limitations, jurisdictional boundaries (projects with a regionally significant impact should consider the regional context), and whether the proponent can reasonably acquire, control or otherwise have access to the alternative site (or the site is already owned by the proponent). No one of these factors establishes a fixed limit on the scope of reasonable alternatives.

Off-Site Alternative

As noted previously, the purpose of an alternatives analysis is to develop alternatives to the proposed project that substantially lessen at least one of the significant environmental effects identified as a result of the project, while still meeting most, if not all, of the basic project objectives. Development of the proposed project at an off-site location would not be capable of meeting the project objectives, as the majority of the project objectives are specific to the project site being located within the ELTSP. Other locations that are designated Regional Retail/Employment (CR/E) and Employment Retail (CE), and are viable for development do not exist within the ELTSP area. Furthermore, the CEQA Guidelines (Section 15126.6[b]) requires that only locations that would avoid or substantially lessen any of the significant effects of the project need be considered for inclusion in the EIR. The Off-Site Alternative would involve the development of regional retail and/or employment uses on alternative locations, and would be expected to result in the same type and intensity of uses as the proposed project. As such, the Off-Site Alternative would result in a similar disturbance area, as well as similar construction and operational activities, and, therefore, would result in similar impacts related to biological resources, GHG emissions, and traffic.

It is also important to consider that the project site is located adjacent to other proposed and approved projects in the City of Antioch, as well as existing and planned urban areas within the City of Brentwood. Overall, a feasible off-site location that would meet the requirements of CEQA, as well as meet the basic objectives of the proposed project, does not exist. Therefore, an Off-Site Alternative was dismissed from detailed analysis within this SEIR.

Equal Regional Retail/Employment Alternative

The Equal Regional Retail/Employment Alternative involve development of the project site with 50 percent regional retail uses and 50 percent employment uses. The alternatives considered in this SEIR consist of different development scenarios that provide a meaningful comparison to the proposed project. As described below, this SEIR includes an evaluation of a 100 Percent Employment Alternative, which would include development of the site with entirely employment uses. In addition, the project analysis included in the technical chapters of the SEIR considered future development of the project site at worst-case conditions, which, for the purposes of this analysis, was determined to be development of the site with 100 percent regional retail uses. Therefore, impacts associated with the Equal Regional Retail/Employment Alternative would be less than the impacts identified for the proposed project, but greater than the impacts identified

for the 100 Percent Employment Alternative described below. Because the Equal Regional Retail/Employment Alternative meets the same intent as the 100 Percent Employment Alternative, which is to reduce project impacts to the maximum extent feasible while still meeting the project objectives, only the 100 Percent Employment Alternative has been evaluated in detail within this SEIR.

Reduced Intensity Alternative

As discussed throughout this SEIR, the proposed project does not include any specific development proposals or new uses. However, approval of the proposed Specific Plan Amendment would allow future development of the project site with regional retail/employment uses. According to Section 3.4 of the ELTSP, development allowed under the CR/E and CE zones is required to be built at a maximum floor-area-ratio of 0.4, a maximum height of 35 feet, and would be required to include maximum front and corner, interior, and rear setbacks of 25 feet, 10 feet, and 20 feet, respectively. Therefore, this SEIR included buildout assumptions for the project site using the maximum allowable development of each parcel. The Reduced Intensity Alternative would include development of the site at a reduced intensity (i.e., a reduced amount of square footage) as compared to the proposed project. However, given that specific development proposals or new uses are not part of the proposed project, the reduced floor-area-ratio, height, and/or setbacks that would be considered for this alternative would be highly speculative. Therefore, the Reduced Intensity Alternative was dismissed from detailed analysis within this SEIR.

6.4 ALTERNATIVES CONSIDERED IN THIS EIR

The following alternatives to the proposed project are considered potentially feasible alternatives to the project, and are evaluated in further detail in below:

- No Project (No Build) Alternative; and
- 100 Percent Employment Alternative.

Each of the project alternatives is described in detail below, with a corresponding analysis of each Alternative's impacts in comparison to the proposed project. As discussed above, reasonable alternatives to the project must be capable of reducing the magnitude of, or avoiding, identified significant environmental impacts of the proposed project. Therefore, this chapter focuses on the resource areas and specific impacts listed above that have been identified in this SEIR for the proposed project as requiring mitigation to reduce significant impacts to less than significant. While an effort has been made to include quantitative data for certain analytical topics, where possible, qualitative comparisons of the various alternatives to the project are primarily provided. Such an approach to the analysis is appropriate as evidenced by CEQA Guidelines Section 15126.6[d], which states that the significant effects of the alternative shall be discussed, but in less detail than the significant effects of the project as proposed.

The analysis evaluates impacts that would occur with the alternatives relative to the significant impacts identified for the proposed project. When comparing the potential impacts resulting from implementation of the foregoing alternatives, the following terminology is used:

- "Fewer" = Less than Proposed Project;
- "Similar" = Similar to Proposed Project;
- "Greater" = Greater than Proposed Project; and
- "None" = No Impact.

When the term "fewer" is used, the reader should not necessarily equate this to elimination of significant impacts identified for the proposed project. For example, in many cases, an alternative would reduce the relative intensity of a significant impact identified for the proposed project, but the impact would still be expected to remain significant under the alternative, thereby requiring mitigation. In other cases, the use of the term "fewer" may mean the actual elimination of an impact identified for the proposed project altogether. Similarly, use of the term "greater" does not necessarily imply that an alternative would require additional mitigation beyond what has been required for the proposed project. To the extent possible, this analysis will distinguish between the two implications of the comparative words "fewer" and "greater".

A comparison of the environmental impacts resulting from the considered alternatives and the proposed project is provided in Table 6-2.

No Project (No Build) Alternative

CEQA requires the evaluation of the comparative impacts of the "No Project" alternative (CEQA Guidelines Section 15126.6[e]). Analysis of the no project alternative shall:

> "… discuss […] existing conditions […] as well as what would be reasonably expected to occur in the foreseeable future if the project were not approved, based on current plans and consistent with available infrastructure and community services." (*Id.*, subd. [e][2]) "If the project is other than a land use or regulatory plan, for example a development project on identifiable property, the 'no project' alternative is the circumstance under which the project does not proceed. Here the discussion would compare the environmental effects of the property remaining in the property's existing state versus environmental effects that would occur if the project were approved. If disapproval of the project under consideration would result in predictable actions by others, such as the proposal of some other project, this 'no project' consequence should be discussed. In certain instances, the no project alternative means 'no build,' wherein the existing environmental setting is maintained. However, where failure to proceed with the project would not result in preservation of existing environmental conditions, the analysis should identify the practical result of the project's non-approval and not create and analyze a set of artificial assumptions that would be required to preserve the existing physical environment." (*Id.*, subd. [e][3][B]).

As discussed throughout this SEIR, the ELTSP EIR, also known as the Future Urbanization Area #2 (FUA #2) Specific Plan EIR, was previously certified by the City of Antioch City Council in August 1995. The City is proposing to modify the approval process for commercial development within the CR/E and CE designated parcels of the ELTSP Area. Currently, as outlined in Section 9 of the ELTSP, all development within the ELTSP Area requires approval of a Planned Development (PD) Rezone by City Council. The City is proposing to no longer require approval of a PD Rezone, and would instead only require a Use Permit and Design Review approval by the City's Planning Commission for commercial development within the CR/E and CE designated parcels of the Specific Plan. The goal of the modification is to streamline commercial development and minimize the need for further CEQA review. The approval process modification would require approval of a Specific Plan Amendment.

It should be noted that while the proposed Specific Plan Amendment would affect the entirety of the ELTSP, the amendment would only be applicable to the four parcels comprising the project site (Assessor's Parcel Numbers [APNs] 053-072-003, 053-072-025, 053-072-026, and 056-120-095), as the remaining CR/E and CE designated parcels located within the Specific Plan Area

have either already been developed, or have site constraints that would prevent development from occurring.

As such, in the case of the proposed project, the No Project Alternative could be analyzed under two different scenarios: the No Project (No Build) Alternative and the No Project (Buildout Pursuant to Existing ELTSP) Alternative.

The No Project (Buildout Pursuant to Existing ELTSP) Alternative would still allow for regional retail and/or employment uses to be developed on the project site, which would result in identical impacts as the proposed project. The No Project (No Build) Alternative would result in the continuation of the existing conditions of the project site, which is currently undeveloped, consisting primarily of non-native vegetation, with the exception of APN 053-072-003 which is partially developed with a single-family residence and associated outbuildings. As discussed above, reasonable alternatives to the project must be capable of reducing the magnitude of, or avoiding, identified significant environmental impacts of the proposed project. As such, the no project alternative evaluated herein is the No Project (No Build) Alternative.

The No Project (No Build) Alternative would not fulfill any of the project's objectives.

Biological Resources

Under the No Project (No Build) Alternative, construction activities, including ground disturbance, would not occur on the project site. As such, the Alternative would not have the potential to impact special-status plant or wildlife species. In addition, because the No Project (No Build) Alternative would not involve any development of the project site, the Alternative would not result in the removal of any on-site trees, and, as a result, would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. As such, none of the mitigation measures related to biological resources required for the proposed project would be required under the Alternative. Overall, the impacts identified for the proposed project related to biological resources would not occur under the No Project (No Build) Alternative.

Greenhouse Gas Emissions and Energy

Because the No Project (No Build) Alternative would not involve any development of the project site, construction and operational activities would not occur under the Alternative. Therefore, the Alternative would not generate GHG emissions in exceedance of the Bay Area Air Quality Management District's (BAAQMD's) significance thresholds. As such, the impacts identified for the proposed project related to GHG emissions and energy would not occur under the No Project (No Build) Alternative, and Mitigation Measure 4.1-2 would not be required. Overall, impacts related to GHG emissions and energy would not occur under the No Project (No Build) Alternative.

Transportation

Because the No Project (No Build) Alternative would not involve any construction or development of regional retail/employment uses within the project site, the No Project (No Build) Alternative would not generate construction traffic on local roadways and, thus, Mitigation Measure 4.2-1 related to preparation of a construction management plan would not be required. Overall, no impacts related to transportation would occur under the No Project (No Build) Alternative.

100 Percent Employment Alternative

Similar to the proposed project, the 100 Percent Employment Alternative would modify the approval process for commercial development within the CR/E and CE designated parcels of the

ELTSP Area to no longer require approval of a PD Rezone, and would instead only require a Use Permit and Design Review approval by the City's Planning Commission for commercial development within the CR/E and CE designated parcels of the ELTSP Area. The approval process modification would still require approval of a Specific Plan Amendment. However, whereas the proposed project would allow for a mix of regional retail and employment uses within the project site, the 100 Percent Employment Alternative would consist of buildout of the project site with entirely employment uses. As such, the Alternative would develop a total of 1,530,176 square feet (sf) of employment uses within the project site, including up to 317,291 sf on Parcel 1 (APN 056-120-095), 683,021 sf on Parcel 2 (APN 053-072-026), 113,604 sf on Parcel 3 (APN 053-072-003) and 416,259 sf on Parcel 4 (APN 053-072-025). The total disturbance area would be identical to the proposed project.

Because the 100 Percent Employment Alternative would still facilitate economic development within the City of Antioch, streamline future commercial project approvals consistent with the ELTSP, and minimize future CEQA review for commercial projects consistent with the ELTSP, all of the project objectives would be fully met under the Alternative.

Biological Resources

The 100 Percent Employment Alternative would result in the same area of disturbance as the proposed project. As such, similar to the proposed project, the 100 Percent Employment Alternative would have the potential to result in adverse impacts to special-status plant and wildlife species. In addition, the Alternative could result in the removal of on-site trees, and, as a result, could conflict with a local policy or ordinance protecting biological resources, such as a tree preservation policy or ordinance. As such, all of the mitigation measures related to biological resources required for the proposed project would also be required under the Alternative. Overall, the impacts identified for the proposed project related to biological resources would be similar under the 100 Percent Employment Alternative.

Greenhouse Gas Emissions and Energy

As discussed above, the 100 Percent Employment Alternative would consist of buildout of the project site with entirely employment uses, and the disturbance area would remain the same as would occur with the proposed project. Based on the modeling conducted for the proposed project and the 100 Percent Employment Alternative, construction of both scenarios was estimated to generate annual maximum unmitigated GHG emissions of 1,402.05 metric tons of CO_2 equivalents per year ($MTCO_2e$/yr). Therefore, impacts related to GHG emissions during construction would be similar as compared to the proposed project.

The total unmitigated annual operational GHG emissions for the first year of full operations on the project site (assumed to be 2032) for both the proposed project and the 100 Percent Employment Alternative are presented in Table 6-1.

As shown in the table, total unmitigated annual operational GHG emissions for the first year of full operations on the project site would be 4.54 $MTCO_2e$ less than what would occur under project conditions. Therefore, impacts related to GHG emissions during operations would be slightly fewer as compared to the proposed project.

However, as discussed in Chapter 4.1, Greenhouse Gas Emissions and Energy, of this EIR, the applicable BAAQMD thresholds of significance for GHG emissions are qualitative, and the foregoing information is provided for disclosure purposes only. Similar to the proposed project,

because specific development proposals do not currently exist for the potential future development of the project site, the prohibition of natural gas appliances and plumbing on-site, and compliance with the most recently adopted CALGreen Tier 2 off-street EV requirements cannot be ensured at this time. Therefore, the Alternative would still have the potential to conflict with BAAQMD's Buildings criterion a and Transportation criterion b, and Mitigation Measure 4.1-2 would still be required.

Table 6-1
100 Percent Employment Alternative vs. Proposed Project
Unmitigated Operational GHG Emissions ($MTCO_2e$/yr)

Source	Proposed Project Emissions	Alternative Emissions
Area	0.03	0.03
Energy	1,677.75	1,677.75
Mobile	27,951.06	27,951.06
Waste	808.01	808.01
Water	234.31	229.76
Total Annual Operational GHG Emissions	**30,671.15**	**30,666.61**

Source: CalEEMod, June 2023 (see Appendix B).

Based on the above, impacts related to GHG emissions and energy would be fewer with implementation of the 100 Percent Employment Alternative compared to the proposed project, as total unmitigated annual operational GHG emissions for the first year of full operations on the project site would be less than what would occur under project conditions.

Transportation

Because the 100 Percent Employment Alternative would still add construction vehicle traffic to area roadways, a potential conflict with existing traffic patterns could occur. In addition, the overall area of disturbance would be the same and require the same area of grading during construction. As such, Mitigation Measure 4.2-1 related to preparation of a construction management plan would still be required under the Alternative. Overall, development of the 100 Percent Employment Alternative would result in similar impacts related to transportation compared to that of the proposed project.

6.5 ENVIRONMENTALLY SUPERIOR ALTERNATIVE

An EIR is required to identify the environmentally superior alternative from among the range of reasonable alternatives that are evaluated. The environmentally superior alternative is generally the alternative that would be expected to generate the least amount of significant impacts. Identification of the environmentally superior alternative is an informational procedure and the alternative selected may not be the alternative that best meets the goals or needs of the City. Section 15126(e)(2) of the CEQA Guidelines requires that an environmentally superior alternative be designated and states, "If the environmentally superior alternative is the 'no project' alternative, the EIR shall also identify an environmentally superior alternative among the other alternatives." In this case, the No Project (No Build) Alternative would be considered the environmentally superior alternative, because the project site is assumed to remain in its current condition under the Alternative and, thus, would not be developed. Consequently, many of the impacts resulting from the proposed project would not occur under the Alternative, as shown in Table 6-2 below. However, the No Project (No Build) Alternative would not meet any of the project objectives.

Under the 100 Percent Employment Alternative, all project objectives would be fully or partially met. In addition, the 100 Percent Employment Alternative would result in fewer impacts related to GHG emissions and energy and similar impacts related to biological resources and transportation as compared to the proposed project. Overall, because the 100 Percent Employment Alternative would result in fewer impacts related to GHG emissions and energy, and similar impacts related to biological resources and transportation, and would meet all of the project objectives, the 100 Percent Employment Alternative would be considered the environmentally superior alternative to the proposed project.

Table 6-2
Comparison of Environmental Impacts for Project Alternatives

Resource Area	Proposed Project	No Project (No Build) Alternative	100 Percent Employment Alternative
Biological Resources	Less Than Significant with Mitigation	None	Similar
Greenhouse Gas Emissions and Energy	Less Than Significant with Mitigation	None	Fewer
Transportation	Less Than Significant with Mitigation	None	Similar
	Total Fewer:	**3**	**1**
	Total Similar:	**0**	**2**
	Total Greater	**0**	**0**

Notes: No Impact = "None;" Less than Proposed Project = "Fewer;" and Similar to Proposed Project = "Similar"

7. EIR Authors and Persons Consulted

7. EIR AUTHORS AND PERSONS CONSULTED

Raney Planning & Management, Inc.

C. Timothy Raney, AICP	President
Cindy Gnos, AICP	Senior Vice President
Nick Pappani	Vice President
Rod Stinson	Vice President/Air Quality Specialist
Angela DaRosa	Division Manager/Air Quality Specialist
Jesse Fahrney	Senior Associate/Air Quality Technician
Megane Browne-Allard	Associate

City of Antioch

Zoe Merideth	Senior Planner

Fehr & Peers

Bill Burton, P.E., RSP	Principal
Valerie Tan	Transportation Planner

Other

Other persons and sources consulted in preparation of this Supplemental EIR (SEIR) are listed in Chapter 8, References, of this EIR.

8. References

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Appendix A

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE **RareFind**

Query Summary:
Quad IS (Antioch North (3812117) OR Antioch South (3712187) OR Jersey Island (3812116) OR Bouldin Island (3812115) OR Brentwood (3712186) OR Woodward Island (3712185) OR Tassajara (3712177) OR Byron Hot Springs (3712176) OR Clifton Court Forebay (3712175))
AND Other Status CONTAINS (CDFW_FP-Fully Protected OR CDFW_SSC-Species of Special Concern)

Print Close

CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	955	11	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Ammodramus savannarum	grasshopper sparrow	Birds	ABPBXA0020	27	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Valley & foothill grassland
Anniella pulchra	Northern California legless lizard	Reptiles	ARACC01020	386	7	None	None	G3	S2S3	null	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Chaparral, Coastal dunes, Coastal scrub
Antrozous pallidus	pallid bat	Mammals	AMACC10010	420	1	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Valley & foothill grassland
Aquila chrysaetos	golden eagle	Birds	ABNKC22010	325	14	None	None	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, CDFW_WL-Watch List, IUCN_LC-Least Concern	Broadleaved upland forest, Cismontane woodland, Coastal prairie, Great Basin grassland, Great Basin scrub, Lower montane coniferous forest, Pinon & juniper woodlands, Upper montane coniferous forest, Valley & foothill grassland
Archoplites interruptus	Sacramento perch	Fish	AFCQB07010	5	1	None	None	G1	S1	null	AFS_TH-Threatened, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered	Aquatic, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters
Arizona elegans occidentalis	California glossy snake	Reptiles	ARADB01017	260	1	None	None	G5T2	S2	null	CDFW_SSC-Species of Special Concern	null
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2011	124	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland

											Least Concern, USFWS_BCC-Birds of Conservation Concern	
Circus hudsonius	northern harrier	Birds	ABNKC11011	54	2	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal scrub, Great Basin grassland, Marsh & swamp, Riparian scrub, Valley & foothill grassland, Wetland
Elanus leucurus	white-tailed kite	Birds	ABNKC06010	184	7	None	None	G5	S3S4	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern	Cismontane woodland, Marsh & swamp, Riparian woodland, Valley & foothill grassland, Wetland
Emys marmorata	western pond turtle	Reptiles	ARAAD02030	1477	61	None	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	Birds	ABPBX1201A	112	4	None	None	G5T3	S3	null	CDFW_SSC-Species of Special Concern, USFWS_BCC-Birds of Conservation Concern	Marsh & swamp
Lanius ludovicianus	loggerhead shrike	Birds	ABPBR01030	110	2	None	None	G4	S4	null	CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Broadleaved upland forest, Desert wash, Joshua tree woodland, Mojavean desert scrub, Pinon & juniper woodlands, Riparian woodland, Sonoran desert scrub
Lasiurus frantzii	western red bat	Mammals	AMACC05080	128	2	None	None	G4	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Cismontane woodland, Lower montane coniferous forest, Riparian forest, Riparian woodland
Laterallus jamaicensis coturniculus	California black rail	Birds	ABNME03041	303	22	None	Threatened	G3T1	S2	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_EN-Endangered	Brackish marsh, Freshwater marsh, Marsh & swamp, Salt marsh, Wetland
Masticophis flagellum ruddocki	San Joaquin coachwhip	Reptiles	ARADB21021	96	1	None	None	G5T2T3	S3	null	CDFW_SSC-Species of Special Concern	Chenopod scrub, Valley & foothill grassland
Melospiza melodia maxillaris	Suisun song sparrow	Birds	ABPBXA301K	36	6	None	None	G5T3	S2	null	CDFW_SSC-Species of Special Concern	Marsh & swamp, Wetland
Melospiza melodia pop. 1	song sparrow ("Modesto" population)	Birds	ABPBXA3013	92	31	None	None	G5T3?Q	S3?	null	CDFW_SSC-Species of Special Concern	Artificial flowing waters, Freshwater marsh, Riparian forest, Riparian scrub, Riparian woodland, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters
Neotoma fuscipes annectens	San Francisco dusky-footed woodrat	Mammals	AMAFF08082	42	1	None	None	G5T2T3	S2S3	null	CDFW_SSC-Species of Special Concern	Chaparral, Redwood
Phrynosoma blainvillii	coast horned lizard	Reptiles	ARACF12100	784	1	None	None	G4	S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal scrub, Desert wash, Pinon & juniper woodlands, Riparian scrub, Riparian woodland, Valley & foothill grassland

Rana draytonii	California red-legged frog	Amphibians	AAABH01022	1686	184	Threatened	None	G2G3	S2S3	null	CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable	Aquatic, Artificial flowing waters, Artificial standing waters, Freshwater marsh, Marsh & swamp, Riparian forest, Riparian scrub, Riparian woodland, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Reithrodontomys raviventris	salt-marsh harvest mouse	Mammals	AMAFF02040	144	7	Endangered	Endangered	G1G2	S3	null	CDFW_FP-Fully Protected, IUCN_EN-Endangered	Marsh & swamp, Wetland
Taxidea taxus	American badger	Mammals	AMAJF04010	594	11	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Alkali marsh, Alkali playa, Alpine, Alpine dwarf scrub, Bog & fen, Brackish marsh, Broadleaved upland forest, Chaparral, Chenopod scrub, Cismontane woodland, Closed-cone coniferous forest, Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub, Desert dunes, Desert wash, Freshwater marsh, Great Basin grassland, Great Basin scrub, Interior dunes, Ione formation, Joshua tree woodland, Limestone, Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Mojavean desert scrub, Montane dwarf scrub, North coast coniferous forest, Oldgrowth, Pavement plain, Redwood, Riparian forest, Riparian scrub, Riparian woodland, Salt marsh, Sonoran desert scrub, Sonoran thorn woodland, Ultramafic, Upper montane coniferous forest, Upper Sonoran scrub, Valley & foothill grassland

SciName	ComName	TaxonGrou	ElmCode	FedList	CalList	GRank	SRank	RPlantRank	OthrStatus	OccNumbe	EOndx	Mapndx	ElmDate	SiteDate	Sensitive	OccRank	Presence	Accuracy	AccuracyO	Trend	OccType	County	Quad	Elevation	Latitude	Longitude	UTM	PLSS	Location	LocDetails	Ecological	ThreatList	Threat	General	OwnerMgt	LastUpdate	KeyQuad	UTMZone	UTME	UTMN
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	133	123	34701	19940308	19940308	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaquii	Bouldin Isla	5	38.11784	-121.555	Zone-10 N4	T03N, R04E	BERM ISLA	STATEN ISL	CHANNEL I	Agriculture	POSSIBLE T	8 ADULTS (	UNKNOWN	########	Bouldin Isla	10	626655	4219875
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	112	226	34682	19930316	19930316	N	A-Excellent	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot S	510	37.79853	-121.75	Zone-10 N4	T01S, R02E	TRIBUTARY TO KELLOG		RIPARIAN,	Grazing	POSSIBLE T	2 ADULTS (	PVT	########	Byron Hot S	10	610006	4184197
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	120	227	34689	19820311	19820311	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Alameda	Byron Hot S	780	37.75344	-121.678	Zone-10 N4	T02S, R03E	2.6 KM SOU	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	TURTLES O	UNKNOWN	########	Byron Hot S	10	616420	4179281
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	117	1005	34686	19810515	19810515	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot S	175	37.85676	-121.698	Zone-10 N4	T01S, R02E	KELLOGG C	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	2 ADULTS (	UNKNOWN	########	Byron Hot S	10	614503	4190720
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	207	1182	24800	19940529	19940529	N	B-Good	Presumed I	Non-specifi	30	Stable	Natural/Na	Alameda |	Clifton Cou	100	37.80009	-121.603	Zone-10 N4	T01S, R03E	VICINITY O	BURROWS	HABITAT SURROUNDING BURROW			8-10 ACTIV	UNKNOWN	########	Clifton Cou	10	622965	4184553
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	198	1543	33470	20020509	20020509	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot S	1240	37.76924	-121.709	Zone-10 N4	T02S, R02E	0.5 MILE N	FELLERS SI	HABITAT CONSISTS OF A STOCK P(			3 ADULTS (	EBRPD-BRU	########	Byron Hot S	10	613681	4180996
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	193	1552	33465	19940513	19940513	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch Sou	440	37.97302	-121.864	Zone-10 N4	T02N, R01E	NORTH OF SIDNEY FLA		HABITAT CONSISTS OF A STOCK P(			1 ADULT AI	EBRPD-BLA	########	Antioch Sou	10	599813	4203430
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	197	1553	33469	19940518	19940518	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot S	425	37.79813	-121.684	Zone-10 N4	T01S, R03E	2.9 MILES NNE OF BRU		HABITAT C(	Non-native	POSSIBLE T	>30 ADULT	EBRPD-BRU	########	Byron Hot S	10	615863	4184233
Archoplites	Sacrament	Fish	AFCQB070	None	None	G1	S1		AFS_TH-Th	3	1617	31773	198XXXXX	198XXXXX	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.0198	-121.763	Zone-10 N4	T02N, R02E	0.5 MILE WEST OF THE ANTIOCH BRIDGE (HWY 160), SOL					JUVENILE F	PVT	########	Antioch No	10	608606	4208734
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	135	1790	33114	19820118	19820118	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Sou	600	37.89727	-121.859	Zone-10 N4	T01N, R01E	MARSH CREEK, 1 MILE		HABITAT C(	Dam/Inunc	THREATS IN	1 ADULT O	UNKNOWN	########	Antioch Sou	10	600275	4195030
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	129	2106	33108	19980624	19980624	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot S	400	37.81027	-121.678	Zone-10 N4	T01S, R03E	3.5 MILES SW OF BYRC		HABITAT CONSISTS OF A FENCED I			AN UNKNO	PVT	########	Byron Hot S	10	616393	4185587
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	130	2107	75118	20110705	20110705	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot S	220	37.81211	-121.666	Zone-10 N4	T01S, R03E	2.5 MILES (	FEATURE P	HABITAT IS	Grazing | C	VEHICLE TF	SEC 29 PON	CCA COUN	########	Byron Hot S	10	617439	4185807
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	127	2110	93802	20100217	20100217	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot S	140	37.83455	-121.663	Zone-10 N4	T01S, R03E	1.8 MILES SW OF BYRC		HABITAT C(	Grazing	POSSIBLE T	5 ADULTS /	EBRPD	########	Byron Hot S	10	617624	4188300
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	128	2113	33107	19940426	19940426	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot S	120	37.84447	-121.663	Zone-10 N4	T01S, R03E	1.5 MILES WEST OF BY		HABITAT C(	Grazing	POSSIBLE T	AN UNKNO	PVT	########	Byron Hot S	10	617615	4189400
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	109	2205	A5657	20160923	20160923	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Sou	364	37.89293	-121.799	Zone-10 N4	T01N, R02E	MARSH CR	1980: LOC/	1980: CREE	Grazing | D	POSSIBLE T	1 ADULT O	UNKNOWN	########	Antioch Sou	10	605599	4194615
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	108	2209	34678	19820317	19820317	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Sou	290	37.87983	-121.771	Zone-10 N4	T01S, R02E	VICINITY OF MARSH CF		OPEN PON	Grazing | D	POSSIBLE T	1 ADULT O	UNKNOWN	########	Antioch Sou	10	608051	4193193
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	125	4056	30850	19940518	19940518	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot S	1040	37.77185	-121.698	Zone-10 N4	T02S, R02E	0.5 MILE NE OF BRUSH		HABITAT CONSISTS OF A SPRING-F			2 ADULT FF	EBRPD-BRU	########	Byron Hot S	10	614694	4181300
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	226	4059	30891	19940613	19940613	N	B-Good	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Clifton Cou	100	37.83026	-121.628	Zone-10 N4	T01S, R03E	BYRON AIR	OWLS WER	HABITAT C(	Other	THREATEN	NO OWLS (	CCA COUN	########	Byron Hot S	10	620744	4187869
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	102	5687	25536	20150404	20150404	N	C-Fair	Presumed I	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot S	300	37.83363	-121.685	Zone-10 N4	T01S, R03E	PONDS AB(	FEATURE R	PACIFIC TREE FROG, WESTERN TO.			ADULTS FO	CCWD-LOS	########	Byron Hot S	10	615689	4188171
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	117	5813	25560	19811112	19811112	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	780	37.7685	-121.782	Zone-10 N4	T02S, R02E	JUST NORTH OF THE IN		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	607290	4180829
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	116	5814	25559	19811121	19811121	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1025	37.77917	-121.776	Zone-10 N4	T02S, R02E	ALONG MORGAN TERF		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	607746	4182019
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	115	5815	25558	19810521	19810521	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1350	37.78716	-121.772	Zone-10 N4	T02S, R02E	1.5 MILES NNE OF THE		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	608138	4182910
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	111	5816	25554	19811112	19811112	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	2000	37.8049	-121.789	Zone-10 N4	T01S, R02E	ALONG MORGAN TERF		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	606605	4184859
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	110	5819	25553	20000406	20000406	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	2175	37.81476	-121.798	Zone-10 N4	T01S, R02E	WEST SIDE OF MORGA		HABITAT C(	Dam/Inunc	THREATEN	2 ADULTS (	UNKNOWN	########	Tassajara (3	10	605789	4185942
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	114	5820	25557	19820225	19820225	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1200	37.8263	-121.772	Zone-10 N4	T01S, R02E	1.5 MILES !	RESERVOIR	HABITAT D	Dam/Inunc	THREATEN	2 ADULT FF	CCWD-LOS	########	Tassajara (3	10	608054	4187253
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	109	5821	25552	19811112	19811112	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1800	37.82695	-121.806	Zone-10 N4	T01S, R01E	VICINITY OF MARSH CF		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	605119	4187287
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	113	5822	25556	20130424	201407XX	N	U-Unknowi	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	600	37.83829	-121.769	Zone-10 N4	T01S, R02E	POND ABO	POND K2.	1998-1999 OBSERVATIONS MADE			DETECTED	CCWD-LOS	########	Tassajara (3	10	608317	4188588
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	108	5823	25551	19811105	19811105	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1750	37.83295	-121.813	Zone-10 N4	T01S, R01E	VICINITY OF MARSH CF		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	604485	4187945
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	107	5824	25550	19811112	19811112	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1320	37.83761	-121.813	Zone-10 N4	T01S, R01E	VICINITY OF MARSH CF		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	604408	4188460
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	106	5825	25549	19811112	19811112	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1030	37.84441	-121.835	Zone-10 N4	T01S, R01E	VICINITY OF MARSH CF		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	602473	4189191
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	112	5826	25561	20100225	20100225	N	U-Unknowi	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (3	398	37.86426	-121.771	Zone-10 N4	T01S, R02E	VICINITY O	2001 SURV	FARM PON	Grazing | F	THREAT OF	MANY LAR\	EBRPD-ROU	########	Tassajara (3	10	608108	4191467
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	105	5827	25555	19811121	19811121	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1250	37.86917	-121.847	Zone-10 N4	T01S, R01E	0.5 MILE EAST OF MAF		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT FF	UNKNOWN	########	Tassajara (3	10	601374	4191925
Elanus leuc	white-taile	Birds	ABNKC060	None	None	G5	S3S4		BLM_S-Sen	17	6395	24822	1985XXXX	1985XXXX	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch No	25	38.01343	-121.835	Zone-10 N4	T02N, R01E	NORTH SID	NEST LOCA	HABITAT C(	Developme	THREATEN	1 PAIR OBS	PVT-US STE	########	Antioch No	10	602283	4207946
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	60	6561	24683	19930316	19930316	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	175	37.76649	-121.571	Zone-10 N4	T02S, R04E	0.2 MI EAST OF DELTA		HABITAT CONSISTS OF A STOCK P(			ONE RED-L	UNKNOWN	########	Clifton Cou	10	625829	4180868
Elanus leuc	white-taile	Birds	ABNKC060	None	None	G5	S3S4		BLM_S-Sen	9	6562	24682	19930504	19930504	N	U-Unknowi	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	160	37.7759	-121.58	Zone-10 N4	T02S, R04E	NNE OF THE INTERSEC		HABITAT C(	Agriculture	POSSIBLE T	TWO ADUL	UNKNOWN	########	Clifton Cou	10	625019	4181900
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	50	6629	24452	19940512	19940512	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1400	37.82669	-121.831	Zone-10 N4	T01S, R01E	BLACK HILLS, BETWEEI		HABITAT CONSISTS OF A PERMAN			SITE HAS A	EBRPD-MO	########	Tassajara (3	10	602882	4187230
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	54	6956	33774	20111011	20111011	N	U-Unknowi	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot S	180	37.85673	-121.698	Zone-10 N4	T01S, R02E	ALONG KEL	IT APPEARS	HABITAT C(	Vehicle coll	THREATEN	2 ADULTS &	CCWD-LOS	########	Byron Hot S	10	614524	4190717
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	57	6965	24333	1988XXXX	1988XXXX	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot S	680	37.78696	-121.751	Zone-10 N4	T02S, R02E	UNNAMED CREEK, TRIBUTARY TO KELLOGG CREEK, JUST					OBSERVATI	PVT	########	Byron Hot S	10	609980	4182913
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	58	6966	24337	20040407	20040407	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot S	200	37.82456	-121.663	Zone-10 N4	T01S, R03E	PONDS AL(	FROGS ARE	HABITAT CONSISTS OF STOCKPON			AN UNKNO	PVT-VAQUI	########	Byron Hot S	10	617678	4187192
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	59	6967	24338	20180522	20180522	N	A-Excellent	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot S	900	37.8035	-121.697	Zone-10 N4	T01S, R02E	ABOUT 2.5	1989 LOCA	MAN-MADE STOCK PO		SURROUNI	OBSERVED	PVT	########	Byron Hot S	10	614707	4184813
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	56	6968	24334	1988XXXX	1988XXXX	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot S	680	37.82072	-121.714	Zone-10 N4	T01S, R02E	UNNAMED	PROVIDED	NO INFORMATION PROVIDED.			OBSERVATI	PVT	########	Byron Hot S	10	613165	4186702
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	55	6970	34018	20130422	201407XX	N	C-Fair	Presumed I	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot S	560	37.83224	-121.707	Zone-10 N4	T01S, R02E	UNNAMED	POND D4 (I	VALLEY GRASSLAND WITH WIDEL\			DETECTED .	CCWD-LOS	########	Byron Hot S	10	613773	4187989
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	109	7052	34892	198111XX	198111XX	N	D-Poor	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Jersey Islan	5	38.006	-121.72	Zone-10 N4	T02N, R02E	ABOUT 0.7	MAPPED T(	HABITAT W	Developme	HIGH DENS	3 CALLING	UNKNOWN	########	Jersey Islan	10	612393	4207254
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	100	7053	25516	19860326	19860326	N	U-Unknowi	Presumed I	Non-specifi	30	Unknown	Natural/Na	Alameda	Clifton Cou	100	37.79235	-121.603	Zone-10 N4	T02S, R03E	CREEK LOCATED JUST !		HABITAT IS AN INTERMITTENT CRI			AN UNKNO	UNKNOWN	########	Clifton Cou	10	622996	4183695
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatenec	G1G2	S2		BLM_S-Sen	266	7171	24002	19950521	19950521	N	U-Unknowi	Presumed I	Circular fea	90	Unknown	Natural/Na	Contra Cos	Byron Hot S	151	37.8591	-121.667	Zone-10 N4	T01S, R03E	~ 2.9 MI W	LOCATION	SERIES OF QUARRY PONDS FROM			250 OBS NI	PVT	########	Byron Hot S	10	617286	4191020
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatenec	G1G2	S2		BLM_S-Sen	267	7175	24001	19890511	20080427	N	U-Unknowi	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	170	37.88363	-121.726	Zone-10 N4	T01N, R02E	W SIDE OF	COLONY D/	CATTAILS AROUND RESERVOIR AN			ABOUT 10(	UNKNOWN	########	Brentwood	10	612022	4193668
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	121	7273	34690	19930420	19930420	N	U-Unknowi	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot S	300	37.83834	-121.726	Zone-10 N4	T01S, R02E	KELLOGG C	MAPPED A	CREEK/RIP/	Grazing | D	POSSIBLE T	1 ADULT O	CCWD-LOS	########	Byron Hot S	10	612074	4188643
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	49	8358	10955	1990XXXX	1990XXXX	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Clifton Cou	50	37.83373	-121.616	Zone-10 N4	T01S, R03E	NORTH OF	BURROWS LOCATED ON THE BANK OF AN IRR				SEVERAL O	PVT	########	Clifton Cou	10	621752	4188269
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	151	8372	23740	19920612	19920612	N	U-Unknowi	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	30	37.82832	-121.613	Zone-10 N4	T01S, R03E	0.2 MILE S(	2 BURROW	HABITAT SI	Developme	POSSIBLE T	BOTH BURI	UNKNOWN	########	Clifton Cou	10	622047	4187673
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	152	8579	23739	19920612	19920612	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Clifton Cou	45	37.8228	-121.614	Zone-10 N4	T01S, R03E	1 MILE WE!	2 BURROW	HABITAT SI	Developme	THE TWO E	BURROWS	UNKNOWN	########	Clifton Cou	10	622013	4187060
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	27	9724	20135	20020923	20020923	N	B-Good	Presumed I	Non-specifi	30	Stable	Natural/Na	Alameda	Clifton Cou	160	37.75852	-121.574	Zone-10 N4	T02S, R04E	ABOUT 1 N	FROGS UTI	HEAVILY GI	Developme	THREATS IN	100+ OBSE	DWR, PVT	########	Clifton Cou	10	625631	4179980
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	202	11661	33474	19940512	19940512	N	U-Unknowi	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1600	37.83858	-121.803	Zone-10 N4	T01S, R02E	4 MILES NNE OF TASS/		HABITAT CONSISTS OF A STOCK P(			AN UNKNO	EBRPD-MO	########	Tassajara (3	10	605327	4188580
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	100	12010	17250	20070116	20070116	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda |	Clifton Cou	200	37.75781	-121.558	Zone-10 N4	T02S, R04E	ALONG ME	BURROW L	1989: FIELI	Developme	1989: MAII	2 ACTIVE B	PVT, UNKN	########	Clifton Cou	10	627033	4179923
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	28	12069	17129	19891107	19891107	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	120	37.78476	-121.587	Zone-10 N4	T02S, R04E	0.5 MI WE!	MORE THA	ARTIFICIAL	Developme	HEAVY GRAZING. DEVE		PVT	########	Clifton Cou	10	624459	4182874
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	201	13529	33473	19940512	19940512	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1760	37.83329	-121.818	Zone-10 N4	T01S, R01E	3.7 MILES NNE OF TAS		HABITAT CONSISTS OF A STOCK P(			AN UNKNO	EBRPD-MO	########	Tassajara (3	10	603979	4187976
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	200	13530	33472	19940512	19940512	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1960	37.82544	-121.811	Zone-10 N4	T01S, R01E	TRIBUTARY TO MARSH		HABITAT CONSISTS OF A STOCK P(			BOTH ADU	EBRPD-MO	########	Tassajara (3	10	604646	4187113
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	199	13531	33471	20150430	20150430	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (3	2000	37.82089	-121.794	Zone-10 N4	T01S, R02E	ABOUT 30(	NEAR JUNC	HABITAT CONSISTED OF STOCK PC			AN UNKNO	EBRPD-MO	########	Tassajara (3	10	606118	4186627
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	32	13583	17143	19900716	19900716	N	A-Excellent	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Sou	550	37.94353	-121.825	Zone-10 N4	T01N, R01E	BLACK DIAMOND MINE, BLACK DI/			Grazing			EBRPD-BLA	########	Antioch Sou	10	603223	4200200
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	103	15615	89562	20191002	20191002	N	B-Good	Presumed I	Non-specifi	30	Fluctuating	Natural/Na	Contra Cos	Byron Hot S	300	37.84099	-121.723	Zone-10 N4	T01S, R02E	KELLOGG C	1940 SPECI	HISTORICA	Dam/Inunc	DAM CONS	COLLECTEE	CCWD-LOS	########	Byron Hot S	10	612321	4188940
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	119	17633	24336	1989XXXX	1989XXXX	N	U-Unknowi	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot S	300	37.84569	-121.705	Zone-10 N4	T01S, R02E	KELLOGG C	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	1 ADULT O	CCWD-LOS	########	Byron Hot S	10	613959	4189484
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	116	19036	34685	19810628	19810629	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot S	240	37.85738	-121.671	Zone-10 N4	T01S, R03E	3.1 KM WS	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	1 ADULT O	UNKNOWN	########	Byron Hot S	10	616902	4190823
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	134	19154	34702	19940308	19940308	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaquii	Bouldin Isla	5	38.11801	-121.544	Zone-10 N4	T03N, R04E	BERM ISLA	STATEN ISL	CHANNEL I	Agriculture	POSSIBLE T	9 ADULTS (	UNKNOWN	########	Bouldin Isla	10	627612	4219909
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	244	20129	33631	20120523	20120523	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	120	37.92682	-121.736	Zone-10 N4	T01N, R02E	GENERAL A	MAPPED G	NON-NATI\	Developme	THREATEN	1 ADULT AI	PVT	########	Brentwood	10	611081	4198448
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	134	21450	31328	19820214	19820214	N	U-Unknowi	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Sou	400	37.88749	-121.817	Zone-10 N4	T01N, R01E	MARSH CREEK, FROM		HABITAT C(	Dam/Inunc	THREATS IN	1 ADULT O	UNKNOWN	########	Antioch Sou	10	604027	4193991
Reithrodon	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	66	23862	10497	19850327	19850327	N	U-Unknowi	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch North (381211		38.02116	-121.833	Zone-10 N4	T02N, R01E	MARSHLAN	23 INDIVIDUALS CAPTU		Developme	AREA PROPOSED FOR I		PVT-US STE	########	Antioch No	10	602474	4208806
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	135	24646	34705	19900531	19900531	N	U-Unknowi	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islan	10	38.04114	-121.689	Zone-10 N4	T02N, R03E	BETWEEN TAYLOR SLO		FRESHWAT	Grazing | C	POSSIBLE T	2 ADULTS (	UNKNOWN	########	Jersey Islan	10	615035	4211191
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	132	24647	34700	19940308	19940308	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaquii	Bouldin Isla	27	38.12351	-121.56	Zone-10 N4	T03N, R04E	BERM ISLA	STATEN ISL	CHANNEL I	Agriculture	POSSIBLE T	8 ADULTS E	UNKNOWN	########	Bouldin Isla	10	626242	4220498
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	47	25464	10965	20150423	20150423	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Midway (37	400	37.7439	-121.6	Zone-10 N4	T02S, R03E	NORTH AN	2001: OWL	GRAZED AN	Developme	GOLF COUI	1 OBSERVE	PVT, CCWD	########	Midway (37	10	623367	4178324
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	94	25779	11179	19880526	19880526	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	San Joaquii	Woodward	5	37.92158	-121.522	Zone-10 N4	T01N, R04E	MID-CHANNEL ISLAND		HABITAT IS EMERGENT		NO CURREI	ONE BIRD L	UNKNOWN	########	Woodward	10	629916	4198144
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	93	25780	11165	20100325	20100325	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	San Joaquii	Woodward	6	37.92962	-121.529	Zone-10 N4	T01N, R04E	ISLAND IN I	MAPPED T(	HABITAT WAS EMERGI		NO THREAT	ONE BIRD L	UNKNOWN	########	Woodward	10	629296	4199027
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	92	25781	11167	20100426	20100426	N	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	San Joaquii	Woodward	6	37.95002	-121.529	Zone-10 N4	T01N, R04E	ISLAND IN I	CALTRANS	HABITAT IS A MARSH AND TULE "I			2 DETECTIC	STATE	########	Woodward	10	629223	4201290
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	111	29040	34681	19920520	19920520	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Livermore (	470	37.74643	-121.875	Zone-10 N4	T02S, R01E	TASSAJARA CREEK; API		TURBID CR	Grazing	POSSIBLE T	5 ADULTS (	PVT	########	Livermore (	10	599104	4178277
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	128	29063	34696	19890511	19890511	N	D-Poor	Presumed I	Circular fea	50	Unknown	Natural/Na	Alameda	Clifton Cou	140	37.76313	-121.567	Zone-10 N4	T02S, R04E	POND ALONG UPPER N		POND CRE/	Agriculture	POSSIBLE T	SINGLE ADI	PVT-TRIMA	########	Clifton Cou	10	626186	4180500
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	127	29082	34695	19820416	19820416	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Alameda |	Clifton Cou	80	37.80485	-121.602	Zone-10 N4	T01S, R03E	BETWEEN CLIFTON CO		HABITAT C(	Grazing | D	POSSIBLE T	2/16/1982:	UNKNOWN	########	Clifton Cou	10	623075	4185083
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	126	29127	34694	19820416	19820416	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	515	37.85017	-121.77	Zone-10 N4	T01S, R02E	EASTERN E	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	1 ADULT O	UNKNOWN	########	Tassajara (3	10	608190	4189903
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	124	29128	34693	19820317	19820317	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1000	37.85186	-121.846	Zone-10 N4	T01S, R01E	VICINITY O	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	1 ADULT O	UNKNOWN	########	Tassajara (3	10	601503	4190006
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	125	29129	34692	19820317	19820317	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (3	1800	37.83728	-121.833	Zone-10 N4	T01S, R01E	BLACK HILL	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	1 ADULT O	UNKNOWN	########	Tassajara (3	10	602720	4188403
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	122	29130	34691	19930504	19930504	N	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Tassajara (3	570	37.77589	-121.86	Zone-10 N4	T02S, R01E	TASSAJARA	TURTLES F(	PERENNIAL	Developme	POSSIBLE T	6/19/1992-	PVT, OTHEI	########	Tassajara (3	10	600369	4181561
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	161	29131	34691	19930504	19930504	N	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Tassajara (3	570	37.77589	-121.86	Zone-10 N4	T02S, R01E	TASSAJARA	FROGS FOL	DOWNSTRI	Developme	POSSIBLE T	1 JUVENILE	PVT, OTHEI	########	Tassajara (3	10	600369	4181561
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	123	29132	24453	199907XX	199907XX	N	U-Unknowi	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Tassajara (3	580	37.83369	-121.771	Zone-10 N4	T01S, R02E	RESERVOIR	MAPPED A	OPEN PON	Grazing | D	POSSIBLE T	1 ADULT O	CCWD-LOS	########	Tassajara (3	10	608143	4188074
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	51	29133	24453	20150410	20150410	N	B-Good	Presumed I	Non-specifi	30	Fluctuating	Natural/Na	Contra Cos	Tassajara (3	560	37.83369	-121.771	Zone-10 N4	T01S, R02E	RESERVOIR	POND K4, I	HABITAT WAS A MAN-MADE PON			ADULTS FO	CCWD-LOS	########	Tassajara (3	10	608143	4188074
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	131	29201	24001	19930308	19930308	N	U-Unknowi	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	195	37.88363	-121.726	Zone-10 N4	T01N, R02E	MARSH CR	MAPPED A	HABITAT C(	Grazing | D	POSSIBLE T	3/19/1982:	UNKNOWN	########	Brentwood	10	612022	4193668
Masticophi	San Joaquii	Reptiles	ARADB210	None	None	G5T2T3	S3		CDFW_SSC	17	30809	33732	19800821	19800821	N	U-Unknowi	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot S	400	37.83663	-121.727	Zone-10 N4	T01S, R02E	KELLOGG CREEK, ABOU		HABITAT C(	Dam/Inunc	THREATEN	1 ADULT O	CCWD-LOS	########	Byron Hot S	10	612008	4188452
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	220	31179	36182	19970430	19970430	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot S	60	37.85123	-121.649	Zone-10 N4	T01S, R03E	0.8 MILE WNW OF BYF		HABITAT C(	Grazing | C	THREATEN	ON 30 APR	UNKNOWN	########	Byron Hot S	10	618878	4190169

Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	221	31448	36451	20200820	20200820	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Alameda |	Livermore (	601	37.74887	-121.855	Zone-10 N	T02S, R01E	VICINITY O	MAPPED T(	ADULTS FO	Grazing | C	OVERGRAZ	4 ADULTS &	PVT	########	Livermore (	10	600894	4178570
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	222	31453	34681	19920520	19920520	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Livermore (	460	37.74643	-121.875	Zone-10 N	T02S, R01E	TASSAJARA	GLIDES, PO	PATCHES O	Grazing	GRAZING.	7 ADULTS /	PVT	########	Livermore (	10	599104	4178277
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	223	31456	36459	19930504	19930504	N	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Tassajara (	560	37.75793	-121.872	Zone-10 N	T02S, R01E	TASSAJARA	CREEK AND	CREEK SITE SURROUNDED BY WILI			30 JUVENIL	PVT	########	Tassajara (	10	599335	4179556
Reithrodon	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3	CDFW_FP-I	136	32561	37559	20150930	20150930	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Solano	Antioch No	0	38.07319	-121.863	Zone-10 N	T03N, R01E	MONTEZUI	AREA SURV	DIKED, SPA	Grazing | C	CATTLE GR.	1985-1994	PVT	########	Antioch No	10	599695	4214545
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	248	33573	38566	19970716	19970716	N	U-Unknow	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	70	37.83195	-121.635	Zone-10 N	T01S, R03E	BRUSHY CREEK POND		MANMADE LACUSTRINE HABITAT,			RLF OBSER'	UNKNOWN	########	Byron Hot	10	620146	4188048
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	249	33589	38582	19970716	19970716	N	U-Unknow	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	60	37.83645	-121.639	Zone-10 N	T01S, R03E	FOREBAY SITE, 0.75 MI		MANMADE	Non-native	THREATS IN	RLF OBSER'	UNKNOWN	########	Byron Hot	10	619740	4188541
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	250	33594	38587	19970716	19970716	N	U-Unknow	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	60	37.82919	-121.635	Zone-10 N	T01S, R03E	BRUSHY CREEK SITE, 1.		RIPARIAN H	Non-native	THREATS IN	RLF OBSER'	UNKNOWN	########	Byron Hot	10	620164	4187741
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	252	33749	38741	20030326	20030326	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Sou	290	37.93436	-121.793	Zone-10 N	T01N, R02E	HORSE VAL	RECENT FR	HABITAT C(	Developme	THREATENI	AT THE STC	PVT	########	Antioch Sou	10	606059	4199219
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	296	35042	40040	19890902	19890902	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	5	37.80819	-121.55	Zone-10 N	T01S, R04E	JUST WEST	SITE IS LOC	HABITAT CONSISTS OF AN OLD, UI			1 JUVENILE	PVT	########	Clifton Cou	10	627611	4185523
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	263	35062	40060	19970306	19970306	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	100	37.80566	-121.622	Zone-10 N	T01S, R03E	JUST NORT	SITE IS LOC	HABITAT CONSISTS OF A SMALL D			5 ADULT FF	DWR	########	Clifton Cou	10	621340	4185147
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	264	35063	40061	20050309	20050309	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	200	37.79277	-121.623	Zone-10 N	T02S, R03E	UNNAMED	SITE IS LOC	HABITAT CONSISTS OF A SMALL, P			1 ADULT OI	DWR	########	Clifton Cou	10	621244	4183715
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	265	35064	40062	20050131	20050131	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	200	37.78631	-121.62	Zone-10 N	T02S, R03E	JUST SOUT	CA MP 4.4:	HABITAT CONSISTS OF A PERENNI.			1 ADULT OI	DWR	########	Clifton Cou	10	621480	4183002
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	266	35065	40063	20050309	20050309	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	160	37.78206	-121.608	Zone-10 N	T02S, R03E	DRAINAGE,	CALIF. AQU	DRAINAGE/SEEP VEGETATED BY A			1 JUV SEEN	DWR	########	Clifton Cou	10	622599	4182547
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	267	35066	40064	19970707	19970707	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	340	37.7737	-121.604	Zone-10 N	T02S, R03E	SW SHORE	SITE IS LOC	HABITAT CONSISTS OF A DENSE P/			ONE ADULT	DWR	########	Clifton Cou	10	622948	4181624
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	270	35285	40278	19990707	19990707	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	510	37.81509	-121.695	Zone-10 N	T01S, R03E	UNNAMED	LARVAE AN	HABITAT C(	Other	POSSIBLE T	LARGE POP	PVT	########	Byron Hot	10	614896	4186101
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	272	35287	40280	19980624	19980624	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	420	37.80765	-121.679	Zone-10 N	T01S, R03E	TRIBUTARY TO BRUSH'		HABITAT C(	Other	POSSIBLY T	LARGE POP	PVT	########	Byron Hot	10	616268	4185295
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	276	35454	40447	19980619	19980619	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Alameda	Byron Hot	840	37.75667	-121.732	Zone-10 N	T02S, R02E	EAST AND '	1 OBSERVE	HABITAT C(	Landfill	THREATENI	1 ADULT OI	PVT-BROW	########	Byron Hot	10	611680	4179574
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	286	40833	40833	19980622	19980622	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Sou	300	37.95094	-121.806	Zone-10 N	T01N, R01E	SAND CREEK, EAST AN		HABITAT C(	Developme	POSSIBLE T	3 ADULTS /	PVT	########	Antioch Sou	10	604873	4201043
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	317	40990	40990	19990402	19990402	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	15	37.80942	-121.56	Zone-10 N	T01S, R04E	JOHN E. SK	BURROW IS	BURROW IS	Other	POSSIBLE T	2 ADULTS (	DWR	########	Clifton Cou	10	626716	4185646
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	143	41058	41058	20170825	20170825	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	3	37.85886	-121.573	Zone-10 N	T01S, R04E	NORTH END OF CLIFTC		1999: RIPA	Erosion/ru	THREATENI	6 ADULTS /	UNKNOWN	########	Clifton Cou	10	625545	4191115
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	144	41059	41059	19980717	19980717	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch No	18	38.0291	-121.853	Zone-10 N	T02N, R01E	ON THE SO	POND IS TH	HABITAT CONSISTS OF A PERMAN			2 ADULTS (	PVT-DOW (	########	Antioch No	10	600641	4209664
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	145	41060	41060	19981014	19981014	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch No	8	38.01838	-121.831	Zone-10 N	T02N, R01E	DOW WETLAND PRESE		HABITAT CONSISTS OF A PERMAN			18 ADULTS	PVT-DOW (	########	Antioch No	10	602625	4208499
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	300	41131	41131	20030818	20030818	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	130	37.79976	-121.614	Zone-10 N	T01S, R03E	JUST EAST (	EASTERN P	1998: SMA	Grazing | R	THREATENI	2 ADULTS /	DWR	########	Clifton Cou	10	622013	4184503
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	338	41890	41890	19991109	19991109	N	D-Poor	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.93952	-121.747	Zone-10 N	T01N, R02E	3 MILES WEST OF BREI		HABITAT C(	Developme	THREATENI	3 ADULTS (	PVT	########	Brentwood	10	610113	4199845
Phrynosom	coast horn	Reptiles	ARACF121(	None	None	G4	S4	BLM_S-Sen	613	42248	42248	19940503	19940503	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	300	37.84897	-121.664	Zone-10 N	T01S, R03E	UNIMEN M	HILL WHER	HABITAT C(	Mining	THREATENI	2 ADULTS /	PVT	########	Byron Hot	10	617507	4189898
Anniella pu	Northern C	Reptiles	ARACC010:	None	None	G3	S2S3	CDFW_SSC	5	42260	42260	20110408	20110408	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Jersey Islan	10	38.00342	-121.727	Zone-10 N	T02N, R02E	EAST BAY F	LOCATED B	DISTURBEC	Insufficient	THREATS IN	COLLECTEC	EBRPD, PVT	########	Jersey Islan	10	611726	4206958
Melospiza	Suisun son	Birds	ABPBXA30:	None	None	G5T3	S2	CDFW_SSC	19	42329	41059	19980717	19980717	N	U-Unknow	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch No	18	38.0291	-121.853	Zone-10 N	T02N, R01E	ON THE SO	POND IS TH	HABITAT CONSISTS OF A PERMAN			1 ADULT OI	PVT-DOW (	########	Antioch No	10	600641	4209664
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	371	42798	42797	20130724	20130724	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Sou	680	37.90276	-121.869	Zone-10 N	T01N, R01E	NORTH SID	SHAFFER SI	HABITAT C(	Grazing	POSSIBLE T	PRESENT IN	EBRPD	########	Antioch Sou	10	599402	4195628
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	384	42970	42970	20050223	20050223	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	220	37.78299	-121.611	Zone-10 N	T02S, R03E	NORTH SID	SITE IS KNC	HABITAT C(	Grazing	THREATENI	1 FEMALE F	DWR	########	Clifton Cou	10	622296	4182646
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	385	42971	42971	20040811	20040811	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	190	37.78368	-121.615	Zone-10 N	T02S, R03E	NORTH ENI	PRIMARY S	HABITAT C(	Grazing	THREATENI	1 ADULT OI	DWR	########	Clifton Cou	10	621989	4182718
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	154	42997	42997	20000509	20000509	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	0	37.82622	-121.572	Zone-10 N	T01S, R04E	SOUTH ENI	SEEPAGE P	HABITAT CONSISTS OF A POND CC			1 ADULT OI	DWR	########	Clifton Cou	10	625668	4187494
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	156	43116	43116	20000605	20000605	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	720	37.79857	-121.862	Zone-10 N	T01S, R01E	TASSAJARA	CAUGHT O	CANOPY IS	Grazing | C	CATTLE GR.	1 TURTLE C	UNKNOWN	########	Tassajara (	10	600153	4184075
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	516	43292	43292	20000622	20000622	N	U-Unknow	Presumed I	Circular fea	40	Unknown	Natural/Na	San Joaqui	Terminous	5	38.06421	-121.501	Zone-10 N	T03N, R04E	WEST SIDE	FOUND ON	SURROUND	Non-native	THREATENI	1 INDIVIDU	UNKNOWN	########	Terminous	10	631494	4214000
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	158	43816	43816	20000809	20000809	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Woodward	5	37.976	-121.624	Zone-10 N	T02N, R03E	THE CONFLUENCE OF I		HABITAT C(	Other | No	THREATS IN	1 INDIVIDU	UNKNOWN	########	Woodward	10	620876	4204046
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	159	43817	43817	20000810	20000810	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Woodward	5	37.97769	-121.572	Zone-10 N	T02N, R04E	OLD RIVER, 0.3 MILE N		GOOD TUR	Other | No	THREATS IN	11 INDIVID	UNKNOWN	########	Woodward	10	625393	4204301
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	367	43945	43945	19991208	19991208	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	Solano	Antioch No	160	38.12164	-121.765	Zone-10 N	T03N, R02E	ALONG MC	OWL OBSEI	HABITAT CONSISTS OF AN ARTIFIC			1 ADULT OI	SOL COUNT	########	Antioch No	10	608275	4220032
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	368	43948	43948	20000520	20000520	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Solano	Antioch No	60	38.1176	-121.768	Zone-10 N	T03N, R02E	SE SIDE OF	OWL USIN(	BURROW S	Non-native	THREATENI	1 ADULT FI	SOL COUNT	########	Antioch No	10	608021	4219580
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	160	43970	43970	20000831	20000831	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	San Joaqui	Bouldin Isla	1	38.06837	-121.563	Zone-10 N	T03N, R04E	0.1 MILE W	TURTLES B/	SAN JOAQU	Other | No	COMPETITI	6 ADULTS /	UNKNOWN	########	Bouldin Isla	10	626027	4214375
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	374	43973	43973	20000520	20000520	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Solano	Antioch No	200	38.12518	-121.764	Zone-10 N	T03N, R02E	ALONG MC	BURROW A	HABITAT CONSISTS OF A NUMBER			1 ADULT FI	SOL COUNT	########	Birds Landi	10	608298	4220425
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	172	44273	44273	20001002	20001002	N	U-Unknow	Presumed I	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Bouldin Isla	1	38.01089	-121.557	Zone-10 N	T02N, R04E	EAST LEVEE	2 SITES ON	HABITAT C(	Other | No	NON-NATI\	3/24/00: 2	UNKNOWN	########	Bouldin Isla	10	626656	4208005
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	173	44277	44277	20001019	20001019	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islan	1	38.02794	-121.666	Zone-10 N	T02N, R03E	TAYLOR SLOUGH, EAST		SOME FRES	Other | No	COMPETITI	1 ADULT OI	UNKNOWN	########	Jersey Islan	10	617099	4209755
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3	BLM_S-Sen	68	44451	44451	1990XXXX	1990XXXX	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	680	37.83403	-121.758	Zone-10 N	T01S, R02E	PROPOSED	1990: MAP	NESTS IN O	Recreation	HUMAN AC	2 SITES. 2 N	CCWD-LOS	########	Tassajara (	10	609319	4188128
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3	BLM_S-Sen	69	44455	44455	20080620	20080620	N	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Tassajara (	840	37.82937	-121.772	Zone-10 N	T01S, R02E	PROPOSED	MAPPED 1	NEST IN OA	Recreation	HUMAN AC	2 NEST SITE	CCWD-LOS	########	Tassajara (	10	608095	4187594
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3	BLM_S-Sen	70	44456	44456	20070530	20070530	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1360	37.78573	-121.757	Zone-10 N	T02S, R02E	0.5 MILE E/	1988-89 NE	NEST TREE LOCATED IN		PROXIMITY	1ST NEST: (	CCWD-LOS	########	Tassajara (	10	609428	4182770
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3	BLM_S-Sen	71	44458	44458	199011XX	199011XX	N	U-Unknow	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	750	37.79287	-121.688	Zone-10 N	T02S, R03E	1 MILE WN	NEST ON N	NEST IN A \	Other	NEST ~400	OBSERVED	UNKNOWN	########	Byron Hot	10	615501	4183644
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3	BLM_S-Sen	72	44463	44463	20050608	20050608	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	340	37.85404	-121.704	Zone-10 N	T01S, R02E	0.3 MILE W	NEST SITES	BLUE OAK	Recreation	PROXIMITY	4 NESTS. 1:	CCWD-LOS	########	Byron Hot	10	614056	4190412
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	415	44474	44474	1989XXXX	1989XXXX	N	U-Unknow	Presumed I	Circular fea	40	Unknown	Natural/Na	Alameda	Clifton Cou	140	37.77394	-121.578	Zone-10 N	T02S, R04E	STOCK PON	MAPPED AS BEST COULD BE DETERMINED FR(				1 ADULT F(	UNKNOWN	########	Clifton Cou	10	625266	4181686
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	450	45708	45708	20100216	20100216	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	200	37.83505	-121.65	Zone-10 N	T01S, R03E	ALONG AN	DETECTION	SMALL CRE	Grazing	CATTLE GR.	1 ADULT C(	EBRPD	########	Byron Hot	10	618826	4188373
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	451	45733	45733	19951129	19951129	N	X-None	Extirpated	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	320	37.8294	-121.734	Zone-10 N	T01S, R02E	KELLOGG C	NEAR CONI	THIS SITE IS NOW UNDER LOS VAC			COLLECTED	UNKNOWN	########	Byron Hot	10	611379	4187641
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	456	45743	45743	20070703	20070703	Y	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	Alameda	Byron Hot	600					*SENSITIVE	PLEASE CO	HABITAT CONSISTS OF RIPARIAN AND A FARM POND. INS					########	Byron Hot	0		
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	184	46173	46173	20000525	20000525	N	U-Unknow	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Bouldin Isla	10	38.06352	-121.547	Zone-10 N	T03N, R04E	SOUTH SIDE OF VENICI		HABITAT CONSISTS OF SHALLOW \			1 INDIVIDU	UNKNOWN	########	Bouldin Isla	10	627447	4213859
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	185	46174	46174	20001017	20001017	N	U-Unknow	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Woodward	0	37.99284	-121.576	Zone-10 N	T02N, R04E	OLD RIVER; WEST OF B		HABITAT CONSISTS OF SHALLOW \			10 AUG 20(	UNKNOWN	########	Woodward	10	625014	4205977
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	186	46175	46175	20000811	20000811	N	U-Unknow	Presumed I	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Woodward	10	37.99716	-121.511	Zone-10 N	T02N, R04E	NE OF MILDRED ISLAN		HABITAT CONSISTS OF SHALLOW \			14 MARCH	UNKNOWN	########	Woodward	10	630766	4206546
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	187	46178	46178	20010524	20010524	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Bouldin Isla	-10	38.11433	-121.554	Zone-10 N	T03N, R04E	NORTH SIDE BOULDIN		HABITAT IS	Surface wa	VARIABLE I	1 ADULT OI	PVT	########	Bouldin Isla	10	626746	4219487
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	470	46394	46394	20011024	20011024	N	B-Good	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Sou	800	37.90458	-121.866	Zone-10 N	T01N, R01E	CLAYTON RANCH, 0.5 I		HABITAT CONSISTS OF A SPRING, I			1 ADULT OI	EBRPD	########	Antioch Sou	10	599707	4195834
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	427	46952	46952	20010630	20010630	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	115	37.97506	-121.744	Zone-10 N	T02N, R02E	ROLLING H	ONE ACTIV	HABITAT C(	Developme	THREATENI	4 ADULTS /	PVT	########	Brentwood	10	610275	4203791
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	431	47098	47098	200003XX	200003XX	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Solano	Antioch No	1	38.08935	-121.872	Zone-10 N	T03N, R01E	MONTEZUMA WETLAN		HABITAT C(	Landfill	THREATENI	2 PAIRS, OI	PVT	########	Antioch No	10	598884	4216329
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	510	47673	47673	19990601	19990601	N	U-Unknow	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	80	37.79962	-121.606	Zone-10 N	T01S, R03E	0.35 MILE I	SITE DGS02	HABITAT CONSISTS OF AN UNNAN			ADULTS AN	UNKNOWN	########	Clifton Cou	10	622703	4184497
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	451	47879	47879	200407XX	200407XX	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	75	37.92539	-121.69	Zone-10 N	T01N, R03E	NORTH SID	BURROW IS	BURROW S	Developme	THREATENI	MVZ EGG S	PVT	########	Brentwood	10	615095	4198345
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	529	48244	48244	20020704	20020704	N	D-Poor	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Tassajara (	680	37.79749	-121.86	Zone-10 N	T01S, R01E	TASSAJARA	INDIVIDUA	INDIVIDUA	Other | No	THREATS IN	1 ADULT OI	PVT	########	Tassajara (	10	600362	4183958
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	531	48404	48404	20020715	20020715	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch Sou	130	37.99205	-121.847	Zone-10 N	T02N, R01E	MARKLEY CANYON CRI		SHALLOW,	Developme	THREATENI	4 ADULTS (	CONTRA C(	########	Antioch Sou	10	601236	4205560
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	470	48614	48614	19920408	19920408	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	800	37.77203	-121.877	Zone-10 N	T02S, R01E	VICINITY OI	LOCATED A	HABITAT CONSISTS OF GRAZED GF			PELLETS AN	PVT	########	Diablo (371	10	598945	4181116
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	478	48643	48643	19891005	19891005	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	70	37.79158	-121.578	Zone-10 N	T02S, R04E	ABOUT 1.5 MILES NOR		HABITAT CONSISTS OF GRASSLANI			1 PAIR OBS	PVT	########	Clifton Cou	10	625197	4183643
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	486	48661	48661	19890122	19890122	N	U-Unknow	Presumed I	Circular fea	60	Unknown	Natural/Na	Sacramento	Jersey Islan	10	38.11856	-121.689	Zone-10 N	T03N, R03E	NORTHERN	LOCATED B	HABITAT C(	Recreation	POSSIBLE D	1 INDIVIDU	DPR-BRANI	########	Jersey Islan	10	614962	4219782
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	541	48698	48698	20150403	20150403	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	180	37.85929	-121.678	Zone-10 N	T01S, R03E	0.7 MI SW (	2-PART PO	1982: HABI	Developme	PART OF AI	ONE ADULT	CCWD-LOS	########	Byron Hot	10	616266	4191027
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	542	48699	48699	20150406	20150406	N	C-Fair	Presumed I	Non-specifi	30	Fluctuating	Natural/Na	Alameda	Byron Hot	900	37.76656	-121.735	Zone-10 N	T02S, R02E	JUST W OF	POND G11.	POND & GF	Altered flo	POND DEST	50+ LARVA	CCWD-LOS	########	Byron Hot	10	611415	4180668
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	543	48700	48700	19820217	19820217	N	U-Unknow	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	80	37.84612	-121.654	Zone-10 N	T01S, R03E	ALONG UN	NE 1/4 OF	HABITAT CONSISTS OF A FARM PC			1 ADULT OI	UNKNOWN	########	Byron Hot	10	618404	4189595
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	544	48701	48701	19811209	19811209	N	U-Unknow	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Clifton Cou	50	37.82774	-121.624	Zone-10 N	T01S, R03E	1.5 MILES	SE 1/4 OF	HABITAT CONSISTS OF FARM PON			1 ADULT OI	UNKNOWN	########	Clifton Cou	10	621103	4187594
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	545	48702	48702	19811105	19811105	N	U-Unknow	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	120	37.81985	-121.642	Zone-10 N	T01S, R03E	2.1 MILES	SE 1/4 OF I	HABITAT C(	Dam/Inunc	PROPOSED	1 ADULT OI	UNKNOWN	########	Byron Hot	10	619504	4186695
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	546	48703	48703	19820301	19820301	N	U-Unknow	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	280	37.87247	-121.758	Zone-10 N	T01S, R02E	6.4 MILES I	SW 1/4 OF	HABITAT C(	Dam/Inunc	PROPOSED	1 ADULT OI	UNKNOWN	########	Tassajara (	10	609245	4192392
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	547	48704	89569	20150410	20150410	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	260	37.84493	-121.717	Zone-10 N	T01S, R02E	POND BET\	MAPPED T(	1980 HABITAT DESCRIBED AS AN (			1 ADULT F(	CCWD-LOS	########	Byron Hot	10	612850	4189385
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	565	48749	48749	20000213	20000213	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	380	37.75539	-121.708	Zone-10 N	T02S, R02E	0.8 MILE SS	LOCATED 0	HABITAT C(	Dam/Inunc	THREATENI	1 ADULT OI	PVT	########	Byron Hot	10	613815	4179461
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	495	48919	48919	20020618	20020618	N	B-Good	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Sou	180	37.97637	-121.8	Zone-10 N	T02N, R02E	VICINITY OI	BURROWS	HABITAT C(	Developme	THREATENI	1 ADULT AI	PVT	########	Antioch Sou	10	605368	4203872
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	469	48935	48935	2002XXXX	2002XXXX	N	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot Springs (371		37.84064	-121.635	Zone-10 N	T01S, R03E	NORTH SID	PROPOSED	HABITAT CONSISTS OF ANNUAL GI			LARGE COL	PVT-WILDL	########	Byron Hot	10	620141	4189012
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	583	49075	49075	20020530	20020530	N	A-Excellent	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	780	37.77178	-121.875	Zone-10 N	T02S, R01E	0.75 MILE WSW OF TH		HABITAT C(	Grazing	THREATENI	2 ADULTS /	PVT	########	Tassajara (	10	599067	4181089
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	602	50000	50000	20101006	20101006	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	200	37.75795	-121.579	Zone-10 N	T02S, R04E	UNNAMED	MAPPED T(	HABITAT C(	Other | Fo(	POSSIBLE T	4 AD SEEN	DWR	########	Clifton Cou	10	625162	4179910
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	612	50123	50123	200201XX	200201XX	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Sou	300	37.93335	-121.781	Zone-10 N	T01N, R02E	ALONG EMPIRE MINE I		HABITAT C(	Developme	THREATENI	3 ADULT FF	PVT	########	Antioch Sou	10	607096	4199120
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	614	50127	50127	20171031	20171031	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	501	37.76468	-121.627	Zone-10 N	T02S, R03E	0.6-0.9 MIL	MAPPED T(	2002: STO(	Grazing	DISTURBAI	AT LEAST 7	ALA COUNT	########	Byron Hot	10	620964	4180594
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	615	50148	50148	20150213	20150213	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Altamont (	500	37.75075	-121.634	Zone-10 N	T02S, R03E	0.4 MILE N	MAPPED T(	2002: SCOL	Erosion/ru	THREATENI	9-10 ADUL	PVT	########	Byron Hot	10	620324	4179039
Anniella pu	Northern C	Reptiles	ARACC010:	None	None	G3	S2S3	CDFW_SSC	6	50217	50217	20040401	20040401	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Sou	450	37.9406	-121.816	Zone-10 N	T01N, R01E	ABOUT 2 M	FORMERLY	HABITAT C(	Developme	THREATENI	1 ADULT OI	PVT	########	Antioch Sou	10	604030	4199885
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	554	50567	50567	20181017	20181017	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	547	37.77771	-121.645	Zone-10 N	T02S, R03E	1 MI WEST	ADULT OW	HABITAT C(	Dam/Inunc	THREATENI	3 ADULTS /	PVT	########	Byron Hot	10	619324	4182016
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	239	50578	50578	20000802	20000802	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Jersey Islan	5	38.07904	-121.648	Zone-10 N	T03N, R03E	NORTH ENI	TURTLES W	HABITAT C(	Other	THREATENI	5 TURTLES	UNKNOWN	########	Jersey Islan	10	618570	4215447
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2	BLM_S-Sen	562	51235	51235	19940922	19940922	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	60	37.97426	-121.733	Zone-10 N	T02N, R02E	WEST SIDE OF EMPIRE		HABITAT CONSISTS OF SANDY SOII			1 ADULT OI	PVT	########	Brentwood	10	611250	4203715
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3	CDFW_SSC	635	51365	51365	20000414	20000414	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch Sou	900	37.88059	-121.871	Zone-10 N	T01S, R01E	0.2 MILE W	WRIGHT P(	HABITAT C(	Grazing	POSSIBLE T	1 ADULT OI	PVT	########	Antioch Sou	10	599264	4193166
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3	BLM_S-Sen	241	51409	51409	20030218	20030218	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	40	37.80057	-121.584	Zone-10 N	T01S, R04E	WEST SIDE OF DELTA I		HABITAT C(	Non-native	THREATENI	1 ADULT TI	USBOR	########	Clifton Cou	10	624617	4184632

Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	245	51413	51413	20160719	20160719	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Solano	Antioch No	0	38.07369	-121.863	Zone-10 N	T03N, R01E	MONTEZUI	2000-10: SI	MWP: POC	Altered flo	IMPACTS F	1 ADULT OI	PVT	########	Antioch No	10	599759	4214602
Agelaius tri	tricolored t	Birds	ABPBXB00	None	Threatenec	G1G2	S2		BLM_S-Sen	369	51442	51442	20030507	20030507	N	A-Excellent	Presumed I	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	255	37.77046	-121.6	Zone-10 N	T02S, R03E	PRIMARY SIDE OF THE		HABITAT CONSISTS OF A 1-ACRE S			NESTING C	DWR	########	Clifton Cou	10	623301	4181270
Lanius ludc	loggerhead	Birds	ABPBR010	None	None	G4	S4		CDFW_SSC	3	51565	51565	20030319	20030319	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.99279	-121.694	Zone-10 N	T02N, R03E	0.25 MILE I	NEST IS LO	HABITAT SURROUNDIN		THREATENI	4 ADULTS (	PVT	########	Brentwood	10	614710	4205820
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	612	51643	51643	20020314	20020314	N	U-Unknown	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	15	37.83862	-121.609	Zone-10 N	T01S, R03E	NORTH SID	OWLS ALWAYS FOUND ON THE NORTH SIDE (				THIS ACTIV	UNKNOWN	########	Clifton Cou	10	622421	4188822
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	247	51841	51841	20020826	20020826	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Bouldin Isla	10	38.08086	-121.51	Zone-10 N	T03N, R04E	SE TIP OF BOULDIN ISL		HABITAT CONSISTS OF A ROCKY LE			1 ADULT OI	PVT-DELTA	########	Bouldin Isla	10	630714	4215835
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	248	51844	51844	20020827	20020827	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Woodward	-10	37.98781	-121.589	Zone-10 N	T02N, R04E	HOLLAND TRACT IRRIG		HABITAT CONSISTS OF A LARGE, E			1 ADULT OI	PVT-DELTA	########	Woodward	10	623882	4205401
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	623	51942	51942	20180112	20180112	N	A-Excellent	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch Sou	195	37.95223	-121.767	Zone-10 N	T01N, R02E	E SIDE OF I	2003: MAP	2003: MUL	Developme	FERAL CAT	8 ADULTS I	PVT	########	Antioch Sou	10	608301	4201231
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	251	52271	52271	20030805	20030805	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Bouldin Isla	1	38.04739	-121.522	Zone-10 N	T02N, R04E	THREE RIVI	TURTLE SEI	HABITAT C(	Other | Re	THREATENI	2 TURTLES	UNKNOWN	########	Bouldin Isla	10	629682	4212104
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	666	52296	52296	20080409	201407XX	N	B-Good	Presumed I	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	1075	37.78997	-121.719	Zone-10 N	T02S, R02E	HEADWATI	POND G1; I	SMALL STO	Non-native	NON-NATI\	NONE 198	CCWD-LOS	########	Byron Hot	10	612824	4183286
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	631	52714	52714	20030530	20030530	N	A-Excellent	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Sou	300	37.93544	-121.789	Zone-10 N	T01N, R02E	NORTH OF	OWLS MAY	HABITAT C(	Developme	THREATENI	6 ADULTS/	PVT	########	Antioch Sou	10	606398	4199344
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	633	52866	52866	20030929	20030929	N	A-Excellent	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch Sou	200	37.99028	-121.76	Zone-10 N	T02N, R02E	0.7 MILE SE OF THE IN		HABITAT C(	Developme	THREATENI	4 ADULTS (	PVT	########	Antioch Sou	10	608909	4205462
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	635	52919	52919	20030923	20030923	N	C-Fair	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot	80	37.84581	-121.637	Zone-10 N	T01S, R03E	WEST OF T	120-ACRE	HABITAT C(	Disking	THREATENI	6 ADULTS (	UNKNOWN	########	Byron Hot	10	619944	4189583
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	650	53682	53682	20040427	20040427	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	150	37.78951	-121.605	Zone-10 N	T02S, R03E	WEST SIDE	SITE IS PRE	HABITAT SURROUNDING BURROW			2 ADULTS /	PVT	########	Clifton Cou	10	622793	4183377
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	651	53804	53804	20080506	20080506	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	130	37.94339	-121.742	Zone-10 N	T01N, R02E	ALONG HW	MAPPED T(	HABITAT S(	Developme	VEHICULAF	1 ADULT OI	PVT	########	Brentwood	10	610544	4200280
Anniella pu	Northern C	Reptiles	ARACC010	None	None	G3	S2S3		CDFW_SSC	8	54714	54714	20040726	20050330	N	X-None	Possibly Ex	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	29	37.98772	-121.687	Zone-10 N	T02N, R03E	0.3 MILE S\	SITE IS NO\	SITE WAS II	Developme	THE SITE W	ONE FOUN	PVT	########	Brentwood	10	615262	4205266
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	668	54724	54724	20040215	20040215	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.99601	-121.691	Zone-10 N	T02N, R03E	1 MILE EAST OF OAKLE		HABITAT C(	Developme	THREATENI	ACTIVE BUI	PVT	########	Brentwood	10	614952	4206181
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	278	54728	51365	20030701	20030701	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch Sou	900	37.88059	-121.871	Zone-10 N	T01S, R01E	0.2 MILE W	WRIGHT P(	HABITAT C(	Developme	THREATENI	3 ADULTS (	PVT	########	Antioch Sou	10	599264	4193166
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	279	54732	54732	20030828	20030828	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islan	5	38.00088	-121.694	Zone-10 N	T02N, R03E	MARSH CREEK, BETWE		HABITAT CONSISTS OF A HEAVILY-			1 ADULT (N	UNKNOWN	########	Jersey Islan	10	614694	4206718
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	670	54852	54852	20090606	20090606	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	820	37.75906	-121.668	Zone-10 N	T02S, R03E	0.4 TO 1.0 MILE EAST (		HABITAT C(	Dam/Inunc	THREATENI	11 ADULTS	UNKNOWN	########	Byron Hot	10	617313	4179917
Elanus leuc	white-taile	Birds	ABNKC060	None	None	G5	S3S4		BLM_S-Sen	76	54958	54958	2003XXXX	20040129	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	25	37.98806	-121.687	Zone-10 N	T02N, R03E	0.2 MILE S(	DUNES ARE	HABITAT C(	Developme	THREATENI	2 KITES OB	PVT-CONC(	########	Brentwood	10	615293	4205304
Elanus leuc	white-taile	Birds	ABNKC060	None	None	G5	S3S4		BLM_S-Sen	81	56323	56307	199204XX	199204XX	N	B-Good	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Livermore (	600	37.75043	-121.869	Zone-10 N	T02S, R01E	TASSAJARA	NEST TREE	HABITAT C(	Developme	POSSIBLE E	2 ADULTS (	UNKNOWN	########	Tassajara (	10	599615	4178727
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	84	56326	56310	199207XX	199207XX	N	B-Good	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	720	37.75563	-121.864	Zone-10 N	T02S, R01E	TASSAJARA	NORTH-FA(	HABITAT C(	Developme	POTENTIAL	EAGLES OB	PVT	########	Tassajara (	10	600084	4179310
Circus huds	northern h	Birds	ABNKC110	None	None	G5	S3		CDFW_SSC	27	56327	56311	199206XX	199206XX	N	A-Excellent	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	900	37.75949	-121.857	Zone-10 N	T02S, R01E	TASSAJARA	SOUTH-EA	TALL ANNU	Developme	POTENTIAL	MALE AND	PVT	########	Tassajara (	10	600638	4179745
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	65	56587	56571	19870714	19870714	N	U-Unknown	Presumed I	Non-specifi	30	Unknown	Natural/Na	Alameda	Clifton Cou	300	37.78778	-121.632	Zone-10 N	T02S, R03E	SOUTH OF	LOCATION GIVEN (AND MAPPED AS) T2S, R3E				BADGER OI	PVT	########	Byron Hot	10	620474	4183151
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	64	56589	56573	19950201	19950201	N	C-Fair	Presumed I	Circular fea	40	Unknown	Natural/Na	Alameda	Byron Hot	860	37.76568	-121.735	Zone-10 N	T02S, R02E	ALONG VA	WEST SIDE	HABITAT O	Other	TRAFFIC FR	1 OBSERVE	UNKNOWN	########	Byron Hot	10	611422	4180570
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	707	56682	56666	20120922	20120922	N	D-Poor	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	80	37.94908	-121.712	Zone-10 N	T01N, R02E	ALONG SOI	BURROWS	UNVEGETA	Developme	THREATENI	7 ADULTS (	UNKNOWN	########	Brentwood	10	613176	4200948
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	708	56683	56667	20040716	20040716	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	75	37.94783	-121.704	Zone-10 N	T01N, R02E	0.4 MILE W	BURROW I	HABITAT C(	Developme	THREATENI	2 ADULTS (	UNKNOWN	########	Brentwood	10	613864	4200819
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	34	56823	56807	19990117	19990117	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	20	37.8328	-121.616	Zone-10 N	T01S, R03E	ALONG HOLEY ROAD, I		HABITAT CONSISTS OF		THREATENI	1 ROAD-KIL	CALTRANS	########	Clifton Cou	10	621779	4188166
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	35	56824	56808	19990213	19990213	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	120	37.82924	-121.657	Zone-10 N	T01S, R03E	0.8 MILE WEST OF ARN		HABITAT C(	Grazing | C	THREATENI	1 ROAD-KIL	CCA COUN	########	Byron Hot	10	618185	4187719
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	182	57120	57104	19940323	19940323	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	560	37.84908	-121.771	Zone-10 N	T01S, R02E	SOUTH END OF ROUNI		HABITAT CONSISTS OF		THREATENI	1 INDIVIDU	EBRPD	########	Tassajara (	10	608102	4189782
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	240	57152	57136	1992XXXX	1992XXXX	N	U-Unknown	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Livermore (	800	37.75188	-121.857	Zone-10 N	T02S, R01E	1.7 MILES	EAST SIDE OF HILL, 0.8 MILE EAST OF TASSAJA				BADGER SI(	UNKNOWN	########	Tassajara (	10	600734	4178902
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	185	57212	57196	20020820	20020820	N	C-Fair	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Antioch Sou	280	37.91964	-121.779	Zone-10 N	T01N, R02E	DEER VALLI	SITE IS LOC	HABITAT CONSISTS OF		THREATENI	1 ADULT F(	UNKNOWN	########	Antioch Sou	10	607345	4197602
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	282	57345	57329	20040915	20040915	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.99769	-121.688	Zone-10 N	T02N, R03E	JUST SOUT	SITE IS LOC	HABITAT C(	Developme	THREATENI	REMAINS C	PVT-CONC(	########	Brentwood	10	615225	4206371
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	723	58542	58506	20040302	20040302	N	C-Fair	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	125	37.96233	-121.747	Zone-10 N	T01N, R02E	NORTH SIDE OF LONE		HABITAT C(	Other	THREATENI	3 INDIVIDU	UNKNOWN	########	Brentwood	10	610059	4202375
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	781	59113	59077	20040407	20040407	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	595	37.81872	-121.698	Zone-10 N	T01S, R02E	1.75 MILE EAST OF VA		HABITAT CONSISTS OF		GRAZED N(	CRLF LARV/	PVT-VAQUI	########	Byron Hot	10	614583	4186500
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	782	59114	59078	20040407	20040407	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	340	37.82184	-121.678	Zone-10 N	T01S, R03E	2.75 MILES EAST OF V/		HABITAT CONSISTS OF		GRAZED N(	CRLF LARV/	PVT-VAQUI	########	Byron Hot	10	616351	4186871
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	783	59115	59079	20040407	20040407	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	330	37.81898	-121.674	Zone-10 N	T01S, R03E	3.1 MILES EAST OF VA		HABITAT CONSISTS OF		GRAZED N(	CRLF LARV/	PVT-VAQUI	########	Byron Hot	10	616738	4186559
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	784	59116	59080	20040407	20040407	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	255	37.82402	-121.672	Zone-10 N	T01S, R03E	3 MILES EAST OF VASC		HABITAT CONSISTS OF		GRAZED N(	CRLF LARV/	PVT-VAQUI	########	Byron Hot	10	616860	4187120
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	785	59122	59086	20170601	20170601	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	225	37.8364	-121.675	Zone-10 N	T01S, R03E	2.5 MI WNW OF BYRO		2004: GRAZED NON-NATIVE GRAS			LARVAE OB	PVT-VAQUI	########	Byron Hot	10	616612	4188490
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	728	59260	59224	20050526	20050526	N	C-Fair	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Brentwood	50	37.95211	-121.686	Zone-10 N	T01N, R03E	WSW OF TI	2005: NEXT	HABITAT C(	Developme	THREATENI	1 ADULT OI	PVT, UNKN	########	Brentwood	10	615476	4201317
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	729	59261	59225	20041213	20041213	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	70	37.92194	-121.688	Zone-10 N	T01N, R03E	WEST SIDE OF HIGHW/		HABITAT C(	Developme	THREATENI	1 ADULT OI	PVT	########	Brentwood	10	615310	4197966
Reithrodon	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	172	59276	59240	20040625	20040625	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Solano	Antioch No	0	38.07295	-121.826	Zone-10 N	T03N, R01E	COLLINSVIL	SECTIONS	W END CO\	Non-native	GOOD HAB	ONE COLLE	PVT, DOD	########	Antioch No	10	602996	4214560
Geothlypis	saltmarsh c	Birds	ABPBX1201	None	None	G5T3	S3		CDFW_SSC	105	60083	60047	20040524	20040524	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Sacrament	Antioch No	6	38.04755	-121.829	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKISI			3 TO 11 INI	DFG-LOWE	########	Antioch No	10	602780	4211739
Geothlypis	saltmarsh c	Birds	ABPBX1201	None	None	G5T3	S3		CDFW_SSC	106	60097	60061	20040524	20040524	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Sacrament	Antioch No	7	38.05178	-121.82	Zone-10 N	T02N, R01E	CENTRAL P	LOCATION	HABITAT CONSISTS OF A BRACKISI			1 TO 7 INDI	DFG-LOWE	########	Antioch No	10	603520	4212218
Geothlypis	saltmarsh c	Birds	ABPBX1201	None	None	G5T3	S3		CDFW_SSC	107	60105	60069	20040525	20040525	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04076	-121.87	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKISI			1 TO 4 INDI	EBRPD	########	Antioch No	10	599178	4210940
Geothlypis	saltmarsh c	Birds	ABPBX1201	None	None	G5T3	S3		CDFW_SSC	108	60107	60071	20040525	20040525	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04	-121.86	Zone-10 N	T02N, R01E	EAST SIDE (	LOCATION	HABITAT CONSISTS OF A BRACKISI			1 TO 5 INDI	EBRPD	########	Antioch No	10	600074	4210867
Melospiza r	Suisun son	Birds	ABPBXA30	None	None	G5T3	S2		CDFW_SSC	26	60451	60069	20040525	20040525	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04076	-121.87	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKISI			11 TO 22 IN	EBRPD	########	Antioch No	10	599178	4210940
Melospiza r	Suisun son	Birds	ABPBXA30	None	None	G5T3	S2		CDFW_SSC	28	60453	60047	20040524	20040524	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Sacrament	Antioch No	6	38.04755	-121.829	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKISI			3 TO 15 DE	DFG-LOWE	########	Antioch No	10	602780	4211739
Melospiza r	Suisun son	Birds	ABPBXA30	None	None	G5T3	S2		CDFW_SSC	29	60454	60061	20040524	20040524	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Sacrament	Antioch No	7	38.05178	-121.82	Zone-10 N	T02N, R01E	CENTRAL P	LOCATION	HABITAT CONSISTS OF A BRACKISI			10 TO 18 D	DFG-LOWE	########	Antioch No	10	603520	4212218
Melospiza r	Suisun son	Birds	ABPBXA30	None	None	G5T3	S2		CDFW_SSC	27	60508	60071	20040525	20040525	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04	-121.86	Zone-10 N	T02N, R01E	EAST SIDE (	LOCATION	HABITAT CONSISTS OF A BRACKISI			4 TO 16 DE	EBRPD	########	Antioch No	10	600074	4210867
Melospiza r	Suisun son	Birds	ABPBXA30	None	None	G5T3	S2		CDFW_SSC	39	60918	31493	19240224	19240224	N	U-Unknown	Presumed I	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch North (381211		38.02206	-121.89	Zone-10 N	T02N, R01E	PITTSBURG	LOCATION GIVEN ONLY AS "PITTSBURG".				1 COLLECTI	UNKNOWN	########	Honker Bay	10	597420	4208844
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	746	62316	62279	20050906	20050906	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	160	37.96895	-121.75	Zone-10 N	T02N, R02E	ESE OF THE	A NATAL BI	HABITAT C(	Developme	THREATENI	2 ADULTS /	UNKNOWN	########	Brentwood	10	609813	4203107
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	752	62614	62577	20120717	20120717	N	A-Excellent	Presumed I	Non-specifi	30	Stable	Natural/Na	Contra Cos	Antioch Sou	235	37.9666	-121.774	Zone-10 N	T01N, R02E	PREWETT F	BURROW N	NON-NATI\	Developme	THREATENI	7 OCCUPIEI	CITY OF AN	########	Antioch Sou	10	607650	4202818
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	759	62980	62926	20050526	20050526	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	56	37.94795	-121.684	Zone-10 N	T01N, R03E	ALONG EA	LOCATED B	HABITAT O	Developme	THREATENI	1 PAIR OBS	UNKNOWN	########	Brentwood	10	615620	4200856
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	760	62981	62927	20060312	20060312	N	C-Fair	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	58	37.94342	-121.683	Zone-10 N	T01N, R03E	AREA APPR	1 PAIR LOC	HABITAT C(	Developme	THREATENI	1 PAIR & 1	PVT-NUNN	########	Brentwood	10	615678	4200355
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	761	62985	62931	20040921	20040921	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islan	7	38.00697	-121.661	Zone-10 N	T02N, R03E	ALONG EA	LOCATION	HABITAT CONSISTS OF SAND MOU			1 ADULT OI	PVT	########	Jersey Islan	10	617510	4207434
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	123	62990	62936	19920423	19920423	N	U-Unknown	Presumed I	Specific bo	20	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.03934	-121.527	Zone-10 N	T02N, R04E	SMALL ISLA	TAPED CALLS PLAYED AT SMALL ISLAND TO TH				TAPED CAL	UNKNOWN	########	Bouldin Isla	10	629224	4211203
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	124	62993	62939	19930413	19930413	N	U-Unknown	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.00715	-121.624	Zone-10 N	T02N, R03E	ISLAND CO	TAPED CALLS ALSO PLAYED ON THE TWO ISLA				TAPED CAL	UNKNOWN	########	Bouldin Isla	10	620819	4207502
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	125	62995	62941	19930608	19930608	N	U-Unknown	Presumed I	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.00742	-121.547	Zone-10 N	T02N, R04E	ISLAND IN (	SURVEY AR	FRESHWATER MARSH.			TAPED CAL	UNKNOWN	########	Bouldin Isla	10	627590	4207635
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	308	63298	63206	20050415	20050415	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	3	38.00545	-121.645	Zone-10 N	T02N, R03E	SOUTH OF	SITE CONSI	HABITAT C(	Developme	THREATENI	7 ADULTS (	PVT	########	Jersey Islan	10	618977	4207286
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	309	63304	63212	20041012	20041012	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Woodward	1	37.9963	-121.626	Zone-10 N	T02N, R03E	WEST OF SANDMOUNI		HABITAT C(	Developme	DEVELOPM	4 ADULTS (	UNKNOWN	########	Woodward	10	620673	4206295
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	93	63471	63379	20060529	20060529	N	A-Excellent	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	660	37.83	-121.71	Zone-10 N	T01S, R02E	1 MI SE OF	NEST SITE I	NEST TREE	Recreation	PROXIMITY	2 ADULTS &	CCWD-LOS	########	Byron Hot	10	613520	4187737
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	94	63472	63380	20050617	20050617	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	460	37.85332	-121.724	Zone-10 N	T01S, R02E	BETWEEN \	NEST SITE	ONE NEST	Collisions w	PROXIMITY	2 NEST SITE	CCWD-LOS	########	Byron Hot	10	612224	4190308
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	765	63716	63621	2005XXXX	20050407	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	15	37.99124	-121.693	Zone-10 N	T02N, R03E	NORTH OF	SITE IS SUR	HABITAT S(	Developme	THREATENI	2 ADULTS (	DELTA VIST	########	Brentwood	10	614795	4205650
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	862	64142	64047	20090224	20090224	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	20	37.83073	-121.602	Zone-10 N	T01S, R03E	ITAILIAN SL	3 LOCATIOI	GRASSLANI	Road/trail (	POSSIBLE T	2 OBSERVE	CCA COUN	########	Clifton Cou	10	622992	4187955
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	774	64307	64212	20050223	20050223	N	B-Good	Presumed I	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	90	37.97352	-121.723	Zone-10 N	T02N, R02E	SOUTH OF	UTM COOF	ABANDONI	Developme	THREATENI	3 BURROW	UNKNOWN	########	Brentwood	10	612132	4203646
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	864	64337	64242	20200312	20200312	N	A-Excellent	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Livermore (	700	37.75271	-121.8	Zone-10 N	T02S, R02E	WEST BRAI	MAPPED T(	RIPARIAN (	Developme	THREATENI	28 ADULTS	PVT	########	Tassajara (	10	605700	4179056
Elanus leuc	white-taile	Birds	ABNKC060	None	None	G5	S3S4		BLM_S-Sen	87	64354	64275	20050311	20050311	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	110	37.97583	-121.743	Zone-10 N	T02N, R02E	0.6 MILE WEST OF THE		NEST TREE	Developme	THREATENI	2 ADULTS /	UNKNOWN	########	Brentwood	10	610398	4203879
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	792	64708	64629	20060428	20060428	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	75	37.93575	-121.701	Zone-10 N	T01N, R02E	SE OF THE INTERSECTI(		HABITAT C(	Developme	THREATENI	1 ADULT AI	CITY OF BR	########	Brentwood	10	614128	4199481
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	315	64776	64697	20060417	20060417	N	D-Poor	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	20	37.7774	-121.517	Zone-10 N	T02S, R04E	EAST SIDE (	2006: CAN/	HABITAT C(	Other	THREATENI	4 ADULTS (	UNKNOWN	########	Clifton Cou	10	630566	4182153
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	875	64810	64731	20060510	20060510	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	734	37.8034	-121.861	Zone-10 N	T01S, R01E	TASSAJARA	MAPPED FI	HABITAT C(	Erosion/rui	THREATENI	1 ADULT (3	PVT	########	Tassajara (	10	600282	4184613
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	808	64898	64819	2007XXXX	2007XXXX	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	590	37.81344	-121.694	Zone-10 N	T01S, R03E	2.5 AIR MIL	MAPPED A(	HABITAT C(	Recreation	THREATENI	2 ADULTS /	EBRPD	########	Byron Hot	10	614993	4185920
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	809	64899	64820	20060625	20060625	N	C-Fair	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Altamont (	836	37.75224	-121.712	Zone-10 N	T02S, R02E	0.4 AIR MILES NW OF I		HABITAT CONSISTS OF GRAZED PA			1 ADULT OI	EBRPD	########	Byron Hot	10	613481	4179107
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	840	66156	66077	20060810	20060810	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	55	37.98297	-121.714	Zone-10 N	T02N, R02E	WEST SIDE	BURROW IS LOCATED /		Developme	THREATENI	2 INDIVIDU	CITY OF OA	########	Brentwood	10	612926	4204705
Antrozous	pallid bat	Mammals	AMACC100	None	None	G4	S3		BLM_S-Sen	140	66597	66484	19290721	19290721	N	U-Unknown	Presumed I	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Sou	780	37.88127	-121.868	Zone-10 N	T01S, R01E	MORGAN	MAPPED ACCORDING TO LAT/LONG COORDII				8 MALE, 8 I	UNKNOWN	########	Antioch Sou	10	599576	4193246
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	95	66735	66601	20100316	20100316	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Woodward	6	37.97659	-121.578	Zone-10 N	T02N, R04E	IN-CHANNI	BLACK RAIL	HABITAT C(	Recreation	POSSIBLE T	3 RAILS OB	STATE	########	Woodward	10	624928	4204172
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	96	66737	66598	19920513	19920513	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Woodward	0	37.95565	-121.569	Zone-10 N	T01N, R04E	BERM ISLA	1 INDIVIDU	PALUSTRIN	Recreation	BOAT WAK	SURROUNI	STATE	########	Woodward	10	625739	4201861
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	97	66738	66599	20100429	20100429	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Woodward	6	37.9449	-121.561	Zone-10 N	T01N, R04E	IN-CHANNI	MAPPED T(	HABITAT C(	Recreation	POSSIBLE T	1 RAIL DETI	STATE	########	Woodward	10	626433	4200678
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	98	66739	66600	19920423	19920423	N	B-Good	Presumed I	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Woodward	0	37.98365	-121.532	Zone-10 N	T02N, R04E	MIDDLE RIVER, JUST W		PALUSTRIN	Recreation	BOAT WAV	1 INDIVIDU	STATE	########	Woodward	10	628913	4205017
Circus huds	northern h	Birds	ABNKC110	None	None	G5	S3		CDFW_SSC	45	66846	66698	19890906	19890906	N	C-Fair	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	0	37.8116	-121.549	Zone-10 N	T01S, R04E	KELSO ROAD AT OLD R		LEVEE EDGE ALONG NEW CROP FI			2 INDIVIDU	PVT	########	Clifton Cou	10	627728	4185904
Lanius ludc	loggerhead	Birds	ABPBR010	None	None	G4	S4		CDFW_SSC	6	66867	66717	20050321	20050321	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	80	37.77756	-121.546	Zone-10 N	T02S, R04E	ABOUT 0.8	PAIR OBSEI	OPEN RUDI	Developme	REMOVAL (	BREEDING	UNKNOWN	########	Clifton Cou	10	628064	4182132
Anniella pu	Northern C	Reptiles	ARACC010	None	None	G3	S2S3		CDFW_SSC	9	66958	66802	20050425	20050425	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	27	37.98645	-121.688	Zone-10 N	T02N, R03E	JUST SOUT	RAILROAD	INTERIOR I	Developme	THREATENI	ONE ADUL	PVT, BNSF	########	Brentwood	10	615222	4205124
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	873	67034	66877	20060810	20060810	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Alameda	Tassajara (	888	37.75111	-121.804	Zone-10 N	T02S, R02E	0.4 MILE EAST OF COLI		HABITAT S(	Developme	THREATENI	1 ADULT OI	PVT	########	Tassajara (	10	605379	4178874
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	903	67518	67350	20060612	20060612	N	B-Good	Presumed I	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch Sou	935	37.9075	-121.837	Zone-10 N	T01N, R01E	0.8 MILE SW OF THE EI		HABITAT CONSISTS OF A LARGE P(			20 TADPOL	PVT	########	Antioch Sou	10	602267	4196190
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	881	68040	67896	20060705	20060705	N	B-Good	Presumed I	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood (3712186)		37.99024	-121.668	Zone-10 N	T02N, R03E	SOUTH SID	SITE CONSI	HABITAT S(	Road/trail (	THREATENI	1 ADULT OI	PVT	########	Brentwood	10	616951	4205569

Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	919	68180	68028	20060804	20060804	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1752	37.85034	-121.876	Zone-10 N	T01S, R01E	UNNAMED DRAINAGE		HABITAT CONSISTS OF A CONSTRU			BREEDING	DPR-MOUN	########	Diablo (371	10	598855	4189804
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	933	68409	68256	20050513	20050513	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	203	37.93972	-121.773	Zone-10 N	T01N, R02E	SAND CREEK, JUST EAS		HABITAT C(	Developme	THREATEN	6 ADULTS (	PVT	########	Antioch So	10	607788	4199837
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	934	68411	38739	2006XXXX	2006XXXX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	255	37.93122	-121.784	Zone-10 N	T01N, R02E	JUST SOUTH OF EMPIR		HABITAT C(	Developme	THREATS I	>10 TADPO	PVT	########	Antioch So	10	606881	4198881
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	136	69045	68638	20060619	20060619	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch No	6	38.03749	-121.862	Zone-10 N	T02N, R01E	BROWNS IS	2004 LOCA	HABITAT CONSISTS OF A NEARLY F			3 DETECTEI	EBRPD	########	Antioch No	10	599847	4210586
Lasiurus fra	western re	Mammals	AMACC050	None	None	G4	S3		CDFW_SSC	64	69699	68992	19990924	19990924	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Sacrament	Jersey Islan	20	38.11338	-121.694	Zone-10 N	T03N, R03E	BRANNAN	MAPPED A	EXOTIC, COTTONWOOD/SYCAMO			BAT(S) DET	DPR-BRANI	########	Jersey Islan	10	614514	4219201
Lasiurus fra	western re	Mammals	AMACC050	None	None	G4	S3		CDFW_SSC	66	69704	10572	19980624	19980624	N	U-Unknown	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch So	15	38.00282	-121.803	Zone-10 N	T02N, R02E	ANTIOCH.	EXACT LOCATION UNKNOWN, SOURCE GIVES				BAT(S) DET	UNKNOWN	########	Antioch No	10	605091	4206803
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	951	69706	68276	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	303	37.85779	-121.724	Zone-10 N	T01S, R02E	1.8 MI SW	POND B4.	HABITAT CONSISTED OF A "KEY" S			NONE DETE	CCWD-LOS	########	Byron Hot	10	612214	4190803
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	952	69742	76708	20150404	20150404	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	280	37.83762	-121.695	Zone-10 N	T01S, R03E	2.7 MILES S	PONDS ANI	HABITAT CONSISTED O		CCWD IS SU	PRESENT 1	CCWD-LOS	########	Byron Hot	10	614791	4188601
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	945	70177	69400	20120523	20120523	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	120	37.94639	-121.735	Zone-10 N	T01N, R02E	GENERAL A	MAPPED T(	NE AREA: R	Developme	THREATEN	1 ADULT AI	PVT	########	Brentwood	10	611116	4200621
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	947	70180	69404	20051120	20051120	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch No	58	38.00149	-121.759	Zone-10 N	T02N, R02E	EAST SIDE OF PHILLIPS		HABITAT C(	Developme	THREATEN	A PAIR AND	PVT	########	Antioch No	10	608939	4206707
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	980	70462	69677	20090504	20090504	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	137	37.96341	-121.764	Zone-10 N	T01N, R02E	0.25 MILE I	VACANT LC	HABITAT C(	Developme	THREATEN	2 ADULTS (	PVT	########	Antioch So	10	608608	4202476
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	981	70463	69678	20080407	20080407	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	169	37.9756	-121.751	Zone-10 N	T02N, R02E	1.1 MILES N	RESIDENTI/	NON-NATIV	Developme	THREATEN	2 PAIRS AN	PVT	########	Brentwood	10	609712	4203844
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	983	70657	69835	20100217	20100217	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	411	37.80903	-121.679	Zone-10 N	T01S, R03E	3 AIR MILES	ON THE NV	HABITAT SI	Grazing | C	THERE ARE	MANY BUR	EBRPD	########	Byron Hot	10	616302	4185449
Neotoma fu	San Francis	Mammals	AMAFF080	None	None	G5T2T3	S2S3		CDFW_SSC	8	70800	69966	20060225	20060225	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1600	37.78642	-121.763	Zone-10 N	T02S, R02E	0.7 MILE WEST OF LOS		HABITAT CONSISTS OF OAK WOOI			1 ADULT OI	CCA COUN	########	Tassajara (	10	608951	4182839
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	397	71202	70313	20070615	20070615	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	115	37.7949	-121.604	Zone-10 N	T01S, R03E	KELSO RD, 100 FEET E/		AREA IS CH	Road/trail (	VEHICLE TF	CARCASS O	UNKNOWN	########	Clifton Cou	10	622927	4183977
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	398	71207	70318	20070321	20070321	N	U-Unknown	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	179	37.94562	-121.758	Zone-10 N	T01N, R02E	0.4 MI. SOU	LOCATION	THE PROPE	Developme	13 ACRES C	A BURROW	PVT-PGE	########	Antioch So	10	609125	4200509
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	399	71208	70319	20060418	20060418	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	210	37.93812	-121.774	Zone-10 N	T01N, R02E	DEER VALLI	DEER VALLI	AREAS SUR	Road/trail (	POTENTIAL	ONE DEAD	UNKNOWN	########	Antioch So	10	607732	4199659
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	981	71407	70504	20040512	20040512	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	547	37.76417	-121.867	Zone-10 N	T02S, R01E	TASSAJARA CREEK, WE		HABITAT CONSISTS OF A CREEK W			2 ADULTS (	PVT	########	Tassajara (	10	599759	4180254
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	982	71408	70505	20060322	20170601	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	175	37.83944	-121.679	Zone-10 N	T01S, R03E	1.9 MILES S	ECCCHCP V	EPHEMERAL POND IN NON-NATIV			1 LARVA OI	EBRPD	########	Byron Hot	10	616205	4188822
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	983	71409	70506	20060322	20060322	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	175	37.84502	-121.683	Zone-10 N	T01S, R03E	CREEK IMP	MAPPED T(	HABITAT CONSISTED OF NON-NAT			DETECTED	EBRPD-VAS	########	Byron Hot	10	615855	4189437
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	984	71410	70507	20060511	20060511	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	168	37.84653	-121.673	Zone-10 N	T01S, R03E	1.3 MILES SSW OF THE		HABITAT CONSISTS OF NON-NATIV			1 EGG MAS	PVT-VAQUI	########	Byron Hot	10	616725	4189617
Elanus leuc	white-taile	Birds	ABNKC060	None	None	G5	S3S4		BLM_S-Sen	113	71446	70540	20060428	20060428	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	20	37.98757	-121.68	Zone-10 N	T02N, R03E	0.25 MILE SSW OF THE		NEST TREE IS A EUCALYPTUS WITH			PAIR WAS (	UNKNOWN	########	Brentwood	10	615956	4205258
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	338	71447	70541	20060720	20060720	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	9	37.82856	-121.6	Zone-10 N	T01S, R03E	ITALIAN SL(	TURTLE WE	HABITAT CONSISTS OF THE SLOW-			AT LEAST 1	UNKNOWN	########	Clifton Cou	10	623185	4187717
Taxidea tax	American b	Mammals	AMAJF040	None	None	G5	S3		CDFW_SSC	410	71450	70544	20070710	20070710	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	770	37.7888	-121.87	Zone-10 N	T02S, R01E	0.5 MILE S\	BURROW L	HABITAT CONSISTS OF ROLLING H			1 ADULT OI	PVT	########	Tassajara (	10	599497	4182984
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	995	71464	70556	20060316	20060316	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islan	1	38.00373	-121.642	Zone-10 N	T02N, R03E	0.25 MILE SSW OF THE		HABITAT SURROUNDING BURROW			1 BURROW	PVT	########	Jersey Islan	10	619211	4207099
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	996	71465	70557	20040525	20040525	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	710	37.7675	-121.875	Zone-10 N	T02S, R01E	1 MILE SW OF THE INT		HABITAT SURROUNDING BURROW			1 BURROW	PVT	########	Tassajara (	10	599079	4180615
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	997	71466	70558	20040525	20040525	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	773	37.7899	-121.872	Zone-10 N	T02S, R01E	0.5 MILE SW OF THE IN		HABITAT SURROUNDING BURROW			1 BURROW	PVT	########	Tassajara (	10	599311	4183103
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	998	71467	70559	20040525	20040525	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	735	37.78253	-121.867	Zone-10 N	T02S, R01E	0.5 MILE NW OF THE II		HABITAT SURROUNDING BURROW			1 BURROW	PVT	########	Tassajara (	10	599735	4182291
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	999	71469	70560	20040525	20040525	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.82816	-121.597	Zone-10 N	T01S, R03E	BETWEEN I	THIS 43-AC	HABITAT SURROUNDING BURROW			AT LEAST 9	PVT	########	Clifton Cou	10	623506	4187677
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1000	71471	70562	20040525	20040525	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.9541	-121.742	Zone-10 N	T01N, R02E	0.5 MILE S(	THIS SMALI	HABITAT SURROUNDING BURROW			1 ADULT AI	EBMUD, C(	########	Brentwood	10	610520	4201469
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1001	71473	70565	20040525	20040525	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	100	37.9627	-121.727	Zone-10 N	T01N, R02E	NORTH OF LONE TREE		HABITAT SURROUNDING BURROW			2 ADULTS \	PVT	########	Brentwood	10	611825	4202441
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	174	71474	60061	20050430	20050430	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Sacrament	Antioch No	7	38.05178	-121.82	Zone-10 N	T02N, R01E	CENTRAL P	LOCATION	HABITAT CONSISTS OF A BRACKISI			7 DETECTEI	DFG-LOWE	########	Antioch No	10	603520	4212218
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	175	71475	60047	20050331	20050331	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Sacrament	Antioch No	6	38.04755	-121.829	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKISI			7 DETECTEI	DFG-LOWE	########	Antioch No	10	602780	4211739
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	176	71476	60071	20050331	20050331	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04	-121.86	Zone-10 N	T02N, R01E	EAST SIDE (	LOCATION	HABITAT CONSISTS OF A BRACKISI			3 BREEDIN(	EBRPD	########	Antioch No	10	600074	4210867
Laterallus j	California b	Birds	ABNME030	None	Threatenec	G3T1	S2		BLM_S-Sen	177	71477	60069	20050331	20050331	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04076	-121.87	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKISI			6 BREEDIN(	EBRPD	########	Antioch No	10	599178	4210940
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1002	71481	70571	20060321	20060321	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	75	37.95774	-121.711	Zone-10 N	T01N, R02E	SE OF THE INTERSECTI(		HABITAT CONSISTS OF FLAT AGRI(			2 ADULTS/:	PVT	########	Brentwood	10	613227	4201910
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	339	71647	70735	20050331	20050331	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1960	37.8142	-121.773	Zone-10 N	T01S, R02E	MALLORY F	MAPPED A(	HARD CHAPARRAL, COASTAL SAGI			1 ADULT OI	CCWD-LOS	########	Tassajara (	10	608030	4185910
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	340	71648	70736	20160308	20160308	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	3	37.9991	-121.669	Zone-10 N	T02N, R03E	DUTCH SLC	NORTH PO	2016: IRRIGATION CAN		LARGE-SCA	1 ADULT OI	PVT	########	Brentwood	10	616896	4206551
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	341	71653	70741	20060630	20060630	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	3	37.98318	-121.638	Zone-10 N	T02N, R03E	SW OF SANDMOUND E		HABITAT C(	Developme	THREATEN	1 ADULT &	PVT	########	Brentwood	10	619589	4204824
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	342	71654	70742	20060301	20060301	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Woodward	0	37.93916	-121.564	Zone-10 N	T01N, R04E	ORWOOD I	LOCATION	IN-CHANNEL ISLAND HABITAT COI			1 ADULT SE	STATE	########	Woodward	10	626199	4200038
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	360	71676	70765	201407XX	201407XX	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	750	37.85	-121.746	Zone-10 N	T01S, R02E	1.3 MI NW	POND M1.				TURTLE OB	CCWD-LOS	########	Byron Hot	10	610325	4189914
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	361	71677	48704	199909XX	199909XX	N	U-Unknown	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	260	37.84548	-121.719	Zone-10 N	T01S, R02E	4.7 MILES DIRECTLY W		HABITAT CONSISTS OF AN OPEN C			3 TURTLES	CCWD-LOS	########	Byron Hot	10	612691	4189444
Reithrodon	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	184	72034	71126	200405XX	200405XX	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Solano	Antioch No	2	38.0612	-121.874	Zone-10 N	T03N, R01E	VAN SICKLE ISLAND, SE		HABITAT DOMINATED BY PICKLEW			17 SMHM (	PVT	########	Antioch No	10	598814	4213204
Reithrodon	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	185	72035	71128	200405XX	200405XX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Solano	Antioch No	2	38.06739	-121.867	Zone-10 N	T03N, R01E	VAN SICKLE ISLAND, E/		HABITAT DOMINATED BY TRICORI			4 SMHM C/	PVT	########	Antioch No	10	599395	4213898
Reithrodon	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	186	72037	71129	200405XX	200405XX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Solano	Antioch No	2	38.07008	-121.874	Zone-10 N	T03N, R01E	VAN SICKLE ISLAND, 0.		HABITAT DOMINATED BY BALTIC F			3 SMHM C/	PVT	########	Antioch No	10	598754	4214189
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	996	72371	71478	20080311	20080311	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	2000	37.85611	-121.826	Zone-10 N	T01S, R01E	LOCATED B	EAST SIDE (	HABITAT C(	Developme	THREATEN	3 ADULTS /	PVT-MORG	########	Tassajara (	10	603291	4190500
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1139	72428	71533	2008XXXX	2008XXXX	N	U-Unknown	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	722	37.77275	-121.673	Zone-10 N	T02S, R03E	BRUSHY CREEK, ABOU		ANNUAL G	Grazing | C	CATTLE GR.	4 ADULTS /	PVT	########	Byron Hot	10	616832	4181430
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1140	72430	71535	20070712	20070712	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Alameda	Byron Hot	825	37.77088	-121.666	Zone-10 N	T02S, R03E	ACCESS ROAD TO BRU:		HABITAT C(	Dam/Inunc	THREATEN	4 ADULTS /	UNKNOWN	########	Byron Hot	10	617454	4181232
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1142	72432	71537	20080619	20080619	N	A-Excellent	Presumed	Non-specifi	30	Unknown	Natural/Na	Alameda	Byron Hot	800	37.77823	-121.661	Zone-10 N	T02S, R03E	JUST EAST (	MAPPED T(	HABITAT C(	Dam/Inunc	THREATEN	4 ADULTS &	UNKNOWN	########	Byron Hot	10	617907	4182053
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1143	72433	71538	20170731	20170731	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Alameda	Byron Hot	395	37.78038	-121.63	Zone-10 N	T02S, R03E	0.3 MI NW	2006: NEST	HABITAT C(	Dam/Inunc	THREATEN	2 ADULTS /	UNKNOWN	########	Byron Hot	10	620600	4182332
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1144	72434	71540	20070508	20070508	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	830	37.77501	-121.68	Zone-10 N	T02S, R03E	ACCESS ROAD TO BRU:		HABITAT CONSISTS OF		CATTLE GR.	1 BREEDIN(	PVT	########	Byron Hot	10	616247	4181673
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1145	72437	71541	20070508	20070508	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	850	37.78464	-121.684	Zone-10 N	T02S, R03E	1.60 MI NE OF BRUSH\		HABITAT CONSISTS OF		CATTLE GR.	1 ADULT AI	PVT	########	Byron Hot	10	615908	4182737
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1152	72446	71550	20110720	20110720	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	1050	37.79268	-121.705	Zone-10 N	T02S, R02E	ABOUT 1.7 AIR MILES I		ROLLING H	Vehicle col	ON A PRIV/	1 BREEDIN(	PVT	########	Byron Hot	10	614019	4183603
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1153	72447	71551	20080130	20080130	N	X-None	Possibly Ex	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch No	45	38.00793	-121.836	Zone-10 N	T02N, R01E	0.13 MI W	BURROW S	HABITAT IS	Developme	SITE WILL E	6 BURROW	PVT-COSTC	########	Antioch No	10	602222	4207335
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1154	72449	71552	20070528	20070528	N	D-Poor	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	60	37.93263	-121.681	Zone-10 N	T01N, R03E	BOTH SIDE:	2 UNDEVEI	HABITAT C(	Other	THREATEN	3 ADULITS	CITY OF BR	########	Brentwood	10	615876	4199160
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1155	72451	71554	20070619	20070619	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	70	37.94475	-121.697	Zone-10 N	T01N, R02E	JUST WEST	A LARGE S(	HABITAT C(	Developme	THREATEN	4 ADULTS (	UNKNOWN	########	Brentwood	10	614517	4200486
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1156	72452	71555	20041202	20041202	N	C-Fair	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	5	37.98423	-121.647	Zone-10 N	T02N, R03E	0.50 MI SW OF THE IN'		HABITAT CONSISTS OF		IRRIGATED	3 ADULTS (	PVT	########	Brentwood	10	618800	4204929
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1157	72453	71556	20040707	20040707	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	5	37.98007	-121.637	Zone-10 N	T02N, R03E	0.76 MI SSE OF THE IN'		HABITAT CONSISTS OF		IRRIGATED	3 ADULTS (	PVT	########	Brentwood	10	619683	4204480
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1158	72454	71557	20040112	20040112	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	5	37.9927	-121.654	Zone-10 N	T02N, R03E	0.74 MI WNW OF THE		AREA IS RELATIVELY FLAT, WITH A			2 ADULTS (	PVT-KB HO	########	Brentwood	10	618167	4205859
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1159	72455	71558	20040112	20040112	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	5	37.99269	-121.648	Zone-10 N	T02N, R03E	0.42 MI NW OF THE IN		AREA IS RELATIVELY FLAT, WITH A			1 ADULTS (	PVT-KB HO	########	Brentwood	10	618674	4205865
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1161	72468	71570	20080116	20080116	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	234	37.9834	-121.846	Zone-10 N	T02N, R01E	SOMERSVII	THE PROPE	HABITAT SI	Other	THE LANDF	4 ADULTS (	PVT	########	Antioch So	10	601314	4204601
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1162	72478	71577	20060524	20060524	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	580	37.81479	-121.666	Zone-10 N	T01S, R03E	W OF VASC	2006: SITE	HABITAT SURROUNDII		POSSIBLE T	1 ACTIVE/P	EBRPD-SOL	########	Byron Hot	10	617456	4186105
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1165	72495	71591	20060315	20060315	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	80	37.94718	-121.692	Zone-10 N	T01N, R03E	0.28 MI NE	SITE VISITS	HABITAT IS FLAT OPEN		CONSTUCT	2 SINGLE A	UNKNOWN	########	Brentwood	10	614918	4200762
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1167	72502	71598	20040312	20040312	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.84472	-121.678	Zone-10 N	T01S, R03E	2.3 MILES SW OF THE I		HABITAT C(	Other	POTENTIAL	2 ADULTS \	PVT-VAQUI	########	Byron Hot	10	616358	4189411
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1168	72503	71599	20040312	20040312	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.84235	-121.685	Zone-10 N	T01S, R03E	2.4 MILES SSE OF THE I		HABITAT C(	Other	POTENTIAL	3 ADULTS \	PVT-VAQUI	########	Byron Hot	10	615728	4189139
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1169	72505	71601	20040312	20040312	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.84821	-121.685	Zone-10 N	T01S, R03E	1.9 MILES SSE OF THE I		HABITAT C(	Other	POTENTIAL	2 ADULTS \	PVT-VAQUI	########	Byron Hot	10	615737	4189789
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1170	72507	71602	20040312	20040312	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.84329	-121.662	Zone-10 N	T01S, R03E	2.8 MILES SSE OF THE I		HABITAT C(	Other	POTENTIAL	3 ADULTS \	PVT-VAQUI	########	Byron Hot	10	617711	4189271
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1171	72510	71607	20040303	20040303	N	B-Good	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Byron Hot	160	37.8386	-121.67	Zone-10 N	T01S, R03E	2.3 MILES W OF THE JU		HABITAT C(	Other	POTENTIAL	2 ADULTS \	PVT-VAQUI	########	Byron Hot	10	617044	4188741
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1172	72514	71609	20040303	20040303	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	125	37.83749	-121.661	Zone-10 N	T01S, R03E	2.0 MILES W OF THE JU		HABITAT C(	Other	POTENTIAL	1 ADULT W	PVT-VAQUI	########	Byron Hot	10	617810	4188629
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1173	72515	71611	20150917	20150917	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	187	37.83234	-121.665	Zone-10 N	T01S, R03E	2 AIR MILES WEST OF '		HABITAT C(	Other	POTENTIAL	OWLS WER	EBRPD	########	Byron Hot	10	617515	4188054
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1174	72516	71613	20040303	20040303	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	240	37.82777	-121.662	Zone-10 N	T01S, R03E	2.1 MILES WSW OF TH		HABITAT C(	Other	POTENTIAL	1 ADULT W	PVT-VAQUI	########	Byron Hot	10	617740	4187549
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1175	72518	71615	20160829	20160829	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	264	37.82575	-121.675	Zone-10 N	T01S, R03E	2.8 MILES WSW OF TH		NON-NATI\	Other	POTENTIAL	1 ADULT W	PVT-VAQUI	########	Byron Hot	10	616597	4187309
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1176	72519	71616	20040303	20040303	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	325	37.8201	-121.674	Zone-10 N	T01S, R03E	2.9 MILES SW OF THE J		HABITAT C(	Other	POTENTIAL	1 ADULT W	PVT-VAQUI	########	Byron Hot	10	616680	4186683
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1190	72593	71695	200604XX	200604XX	N	X-None	Extirpated	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	110	37.96559	-121.736	Zone-10 N	T01N, R02E	0.34 MI NW OF THE IN		THE SUROL	Developme	THREATEN	2 OWLS WI	UNKNOWN	########	Brentwood	10	611020	4202751
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1210	73166	72224	20080611	20080611	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	65	37.9971	-121.763	Zone-10 N	T02N, R02E	0.35 MI ESE OF THE JU		HABITAT C(	Developme	THREATEN	2 ADULTS (	PVT	########	Antioch So	10	608633	4206216
Anniella pu	Northern C	Reptiles	ARACC010	None	None	G3	S2S3		CDFW_SSC	2	74610	73625	20150418	20150418	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch No	13	38.01364	-121.783	Zone-10 N	T02N, R02E	SAND DUN	MAPPED W	IN THE 194	Developme	DEVELOPM	KNOWN FR	PVT, USFW	########	Antioch No	10	606803	4208026
Anniella pu	Northern C	Reptiles	ARACC010	None	None	G3	S2S3		CDFW_SSC	10	74614	10815	19XXXXXX	19XXXXXX	N	U-Unknown	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Brentwood	80	37.93195	-121.696	Zone-10 N	T01N, R03E	BRENTWO(	LOCATION STATED AS "BRENTWOOD." FORM				TWO COLLI	UNKNOWN	########	Brentwood	10	614597	4199067
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	145	74849	73853	19940601	19940601	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.87132	-121.706	Zone-10 N	T01S, R02E	0.45 MI SW OF THE IN'		BLUE OAK S	Road/trail (	PROXIMITY	2 ADULTS/:	CCWD-LOS	########	Byron Hot	10	613847	4192328
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	146	74857	73867	19960601	19960601	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	600	37.82266	-121.742	Zone-10 N	T01S, R02E	WEST SIDE	NEST SITE I	BLUE OAK SAVANNAH		SURROUNI	2 ADULTS/:	CCWD-LOS	########	Byron Hot	10	610732	4186884
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	147	74859	73871	20060529	20060529	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	900	37.80827	-121.706	Zone-10 N	T01S, R02E	2 MILES EA	NEST SITE I	BLUE OAK SAVANNAH		AND ANNU	2 ADULTS/:	CCWD-LOS	########	Byron Hot	10	613890	4185331
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	148	74860	73873	20070603	20070603	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	740	37.85275	-121.736	Zone-10 N	T01S, R02E	BETWEEN \	NEST SITE I	BLUE OAK S	Recreation	PROXIMITY	2 ADULTS/:	CCWD-LOS	########	Byron Hot	10	611213	4190230
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	149	74893	73895	20070620	20070620	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	385	37.8397	-121.703	Zone-10 N	T01S, R02E	0.56 MILE S	NEST SITE I	BLUE OAK S	Recreation	PROXIMITY	2 ADULTS/:	CCWD-LOS	########	Byron Hot	10	614145	4188823
Aquila chry	golden eag	Birds	ABNKC220	None	None	G5	S3		BLM_S-Sen	151	74907	73909	20080620	20080620	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	300	37.84114	-121.723	Zone-10 N	T01S, R02E	KELLOGG C	3 NEST SITI	BLUE OAK S	Recreation	PROXIMITY	3 NEST SITI	CCWD-LOS	########	Byron Hot	10	612359	4188958
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	1010	74956	73949	20070507	20070507	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	475					*SENSITIVE	PLEASE CO	MAN-MADE STOCK PO		SURROUNDING AREA IS USED FOR			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatenec	None	G2G3	S2S3		CDFW_SSC	1011	74959	73963	20070507	20070507	Y	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	800					*SENSITIVE	PLEASE CO	2 MAN-MA	Non-native	BASS, SUNFISH AND CHANNEL CA			########	Byron Hot	0		

Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1012	74960	73960	20070507	20070507	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	850					*SENSITIVE	PLEASE CO	MAN-MADE POND WI		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1013	74992	73992	20070507	20070507	Y	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	760					*SENSITIVE	PLEASE CO	MAN-MADE POND WI		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1014	75006	74005	20070508	20070508	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	870					*SENSITIVE	PLEASE CO	MAN-MADE POND WI		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1015	75008	74009	20070508	20070508	Y	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	850					*SENSITIVE	PLEASE CO	STOCK POND, APPROX		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1016	75009	74011	20070508	20070508	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	790					*SENSITIVE	PLEASE CO	STOCK POND, APPROX		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1017	75011	74012	20180522	20180522	Y	A-Excellent	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	870					*SENSITIVE	PLEASE CO	MAN-MADE STOCK PO		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1018	75012	74015	20070507	20070507	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	940					*SENSITIVE	PLEASE CO	MAN-MADE STOCK PO		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1020	75024	74031	20070308	20070308	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	800	37.76613	-121.81	Zone-10 N	T02S, R01E	NE CORNEI	AN EGG M	LOCATION IS ON A WC		AREA USED	SINGLE EG	PVT	########	Tassajara (3	10	604809	4180534
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1058	75679	74679	20090406	20090406	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	315	37.92945	-121.79	Zone-10 N	T01N, R02E	HORSE VAL	THE POND	THE POND	Developme	POTENTIAL	2 SUBADUL	PVT	########	Antioch So	10	606311	4198678
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1059	75682	74681	20090324	20090324	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	350	37.93276	-121.799	Zone-10 N	T01N, R02E	HORSE VAL	THE POND	THE POND	Developme	POTENTIAL	AT LEAST 1	PVT	########	Antioch So	10	605552	4199035
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1273	77254	76276	20020313	20020313	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	930	37.7753	-121.696	Zone-10 N	T02S, R03E	WEST OF B	FELLERS P-568. 0.44 MI SSE OF (NEW) VASCO				1 ADULT &	EBRPD-BRU	########	Byron Hot	10	614849	4181686
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1287	77336	76367	20100721	20100721	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda |	Clifton Cou	80	37.80515	-121.606	Zone-10 N	T01S, R03E	STOCK PON	MAPPED T	ANNUAL G	Grazing | N	POTENTIAL	2 LARVAE A	DWR, PVT	########	Clifton Cou	10	622690	4185111
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1290	77377	76420	20150406	20150406	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Alameda	Byron Hot	960	37.76819	-121.729	Zone-10 N	T02S, R02E	0.25 MILE E	STOCK PON	PONDS PR(	Altered flo	RESERVOIR	NONE IN 1	CCWD-LOS	########	Byron Hot	10	611933	4180856
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1291	77378	76422	20150409	20150409	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	820	37.77248	-121.742	Zone-10 N	T02S, R02E	0.6 NW OF	STOCK PON	1998-99 DE	Altered flo	RESERVOIR	NONE FOU	CCWD-LOS	########	Byron Hot	10	610748	4181316
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1292	77385	76428	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	850	37.77582	-121.745	Zone-10 N	T02S, R02E	0.9 MILE N	STOCK PON	POND PROVIDES FORA		RESERVOIR	NOT SURVE	CCWD-LOS	########	Byron Hot	10	610486	4181684
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1293	77387	76430	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Stable	Natural/Na	Contra Cos	Byron Hot	1025	37.77657	-121.751	Zone-10 N	T02S, R02E	POND ABO	STOCK PON	DAY & NIGI	Altered flo	RESERVOIR	NOT SURVE	CCWD-LOS	########	Byron Hot	10	610028	4181760
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1294	77390	76435	20150409	20150409	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Tassajara (3	1370	37.77743	-121.759	Zone-10 N	T02S, R02E	ABOUT 1.5	STOCK PON	OBSERVATI	Altered flo	RESERVOIR	NONE DET	CCWD-LOS	########	Tassajara (3	10	609316	4181846
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1295	77392	76437	20080416	201407XX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1340	37.77495	-121.766	Zone-10 N	T02S, R02E	1.9 MILES N	STOCK PON	OBSERVATIONS MADE DURING DA			NONE DET	CCWD-LOS	########	Tassajara (3	10	608645	4181562
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1296	77400	76451	20190919	20190919	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (3	1370	37.78003	-121.762	Zone-10 N	T02S, R02E	LOS VAQUI	PONDS H1	H1 WAS CC	Altered flo	RESERVOIR	PRESENT, 1	CCWD-LOS	########	Tassajara (3	10	609034	4182131
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1297	77412	76462	20190919	20190919	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1350	37.78004	-121.769	Zone-10 N	T02S, R02E	1.1 MILES N	STOCK PON	1998-1999	Altered flo	RESERVOIR	PRESENT 1	CCWD-LOS	########	Tassajara (3	10	608433	4182124
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1298	77419	76469	20150409	20150409	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1075	37.78307	-121.756	Zone-10 N	T02S, R02E	POND ABO	STOCK PON	1998-99 OI	Altered flo	RESERVOIR	2 ADULTS I	CCWD-LOS	########	Tassajara (3	10	609573	4182475
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1299	77426	76475	20150409	20150409	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1270	37.78867	-121.759	Zone-10 N	T02S, R02E	POND ABO	POND I10.	1998-99 DETECTIONS I		RESERVOIR	NONE IN 1	CCWD-LOS	########	Tassajara (3	10	609266	4183094
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1300	77428	76479	20150409	20150409	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1400	37.79092	-121.766	Zone-10 N	T02S, R02E	POND ABO	POND I9, K	FORAGING,	Altered flo	RESERVOIR	NONE 1988	CCWD-LOS	########	Tassajara (3	10	608676	4183335
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1301	77430	B6328	20171208	20171208	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Alameda |	Byron Hot	911	37.77729	-121.721	Zone-10 N	T02S, R02E	ABOUT 1 M	STOCK PON	1998-99 DE	Non-native	PREDATOR	NONE 1988	CCWD-LOS	########	Byron Hot	10	612623	4181876
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1302	77431	76483	20180419	20180419	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	800	37.77701	-121.732	Zone-10 N	T02S, R02E	ALONG UPI	FEATURES	G6, G7 & G	Altered flo	NOT MANA	PRESENT A	CCWD-LOS	########	Byron Hot	10	611629	4181831
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1303	77439	76493	20180418	20180418	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	880	37.78254	-121.731	Zone-10 N	T02S, R02E	PONDS ALC	STOCK PON	SCATTERED	Non-native	CHANNEL (	NONE FOU	CCWD-LOS	########	Byron Hot	10	611773	4182446
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1304	77457	76510	20170503	20170503	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	965	37.79136	-121.727	Zone-10 N	T02S, R02E	POND IN U	STOCK PON	1998-99 DETECTIONS DURING DA			NONE IN 1	CCWD-LOS	########	Byron Hot	10	612106	4183430
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1305	77462	76517	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	820	37.79047	-121.743	Zone-10 N	T02S, R02E	1.7 MILES N	STOCK PON	1998-1999	Dam/Inunc	RESERVOIR	PRESENT S	CCWD-LOS	########	Byron Hot	10	610658	4183311
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1306	77472	76527	201407XX	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	550	37.79988	-121.74	Zone-10 N	T01S, R02E	1.9 MILES N	SEMIPERM	2014 AERIAL SHOWS L		WATER LEV	NOT SURVE	CCWD-LOS	########	Byron Hot	10	610968	4184360
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1307	77475	76530	201407XX	201407XX	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	500	37.80162	-121.731	Zone-10 N	T01S, R02E	SOUTH SID	POND F8.	MANMADE	Dam/Inunc	THREATENI	NONE IN 1	CCWD-LOS	########	Byron Hot	10	611674	4184563
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1308	77481	76536	201407XX	201407XX	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	800	37.80002	-121.722	Zone-10 N	T01S, R02E	PONDS AB(	PONDS F7 (	VALLEY GRASSLANDS WITH SCATT			NONE 1988	CCWD-LOS	########	Byron Hot	10	612511	4184397
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1232	77488	76545	20080619	20080619	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	430	37.76188	-121.619	Zone-10 N	T02S, R03E	1.5 MI S OF	ALTAMONT	SHORT GR	Collisions v	THE ALTAM	2 ADULT P	PVT	########	Clifton Cou	10	621599	4180293
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1309	77489	76542	201407XX	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	695	37.80154	-121.716	Zone-10 N	T01S, R02E	POND ABO	KEY STOCK	HABITAT DESCRIBED AS VALLEY GI			NONE 1988	CCWD-LOS	########	Byron Hot	10	613021	4184572
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1310	77494	76548	201407XX	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	860	37.80459	-121.712	Zone-10 N	T01S, R02E	POND ABO	POND F5.	1998-1999 OBSERVATIONS MADE			NONE 1988	CCWD-LOS	########	Byron Hot	10	613418	4184916
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1311	77495	76549	201407XX	201407XX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	750	37.80796	-121.712	Zone-10 N	T01S, R02E	POND ABO	STOCK PON	1998-1999 OBSERVATIONS MADE			NOT SURVE	CCWD-LOS	########	Byron Hot	10	613386	4185290
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1312	77496	76550	20130423	201407XX	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	520	37.80779	-121.722	Zone-10 N	T01S, R02E	ABOUT 3 M	POND F4.	1998-1999 OBSERVATI		POSSIBILIT	NOT SURVE	CCWD-LOS	########	Byron Hot	10	612540	4185259
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1313	77497	76551	20130422	201407XX	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	680	37.81346	-121.71	Zone-10 N	T01S, R02E	1.8 MILES S	TWO STOC	HABITAT DESCRIBED AS VALLEY GI			AT F1, EGG	CCWD-LOS	########	Byron Hot	10	613582	4185902
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1314	77498	76552	20080407	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	760	37.822	-121.709	Zone-10 N	T01S, R02E	SPRING (ST	POND D6.				NONE DUR	CCWD-LOS	########	Byron Hot	10	613662	4186851
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1315	77514	76559	20190930	20190930	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.84256	-121.704	Zone-10 N	T01S, R02E	PONDS IN T	STOCK PON	STOCK POND & MARSI		NOT MANA	PRESENT,1	CCWD-LOS	########	Byron Hot	10	614022	4189138
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1316	77533	76563	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	225	37.84818	-121.704	Zone-10 N	T01S, R02E	N SIDE OF \	STOCK PON	OBSERVATIONS MADE DURING DA			DETECTION	CCWD-LOS	########	Byron Hot	10	614064	4189763
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1318	77564	76584	20190930	20190930	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	240	37.84846	-121.691	Zone-10 N	T01S, R03E	ABOUT 1.8	POND D1, J	STOCK PON	Other | Wc	PERMITTEI	NONE FOU	CCWD-LOS	########	Byron Hot	10	615144	4189808
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1319	77575	76631	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	270	37.8592	-121.69	Zone-10 N	T01S, R03E	0.3 MI E OI	POND C2 (1	CALIFORNIA TIGER SALAMANDER			2 ADULTS I	CCWD-LOS	########	Byron Hot	10	615236	4191002
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1320	77576	76633	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	380	37.8575	-121.734	Zone-10 N	T01S, R02E	ABOUT 1.4	POND B5, (	CALIFORNIA TIGER SAL		RESERVOIR	NONE IN 1	CCWD-LOS	########	Byron Hot	10	611407	4190760
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1321	77577	70765	20150410	20150410	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	750	37.85	-121.746	Zone-10 N	T01S, R02E	1.3 MI NW	POND M1,	1998-1999	Dam/Inunc	RESERVOIR	NONE IN S	CCWD-LOS	########	Byron Hot	10	610325	4189914
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1322	77578	76634	20161108	20161108	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	840	37.84568	-121.741	Zone-10 N	T01S, R02E	ABOUT 1 M	POND M2.	PRIOR TO 2	Dam/Inunc	RESERVOIR	NONE IN 1	CCWD-LOS	########	Byron Hot	10	610811	4189441
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1323	77579	68285	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	670	37.84078	-121.754	Zone-10 N	T01S, R02E	POND ABO	POND K1, K	1998-1999 OBSERVATI		RESERVOIR	NONE IN 1	CCWD-LOS	########	Tassajara (3	10	609629	4188881
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1324	77580	76635	20150410	20150410	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Tassajara (3	590	37.83924	-121.76	Zone-10 N	T01S, R02E	LOS VAQUI	POND K5W	OBSERVATI	Dam/Inunc	RESERVOIR	ALL LIFE ST	CCWD-LOS	########	Tassajara (3	10	609147	4188704
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1325	77589	76644	20150410	20150410	N	X-None	Possibly Ex	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Tassajara (3	490	37.82818	-121.76	Zone-10 N	T01S, R02E	ABOUT 1.8	THE MAPPI	WETLANDS	Dam/Inunc	INUNDATEI	METAMOR	CCWD-LOS	########	Tassajara (3	10	609136	4187476
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1326	77617	76671	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	530	37.84509	-121.775	Zone-10 N	T01S, R02E	LOS VAQUI	POND L2. 2	MANMADE POND SUR		RESERVOIR	NONE FOU	CCWD-LOS	########	Tassajara (3	10	607798	4189335
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1327	77625	76679	20150409	20150409	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Tassajara (3	1900	37.81373	-121.774	Zone-10 N	T01S, R02E	ABOUT 1.2	FEATURE R	1998-1999	Groundwat	PREDATION	NONE FOU	CCWD-LOS	########	Tassajara (3	10	607952	4185857
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1328	77634	76688	20130422	201407XX	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	300	37.82754	-121.682	Zone-10 N	T01S, R03E	2.5 MILES E	STOCK PON	HABITAT WAS A MANMADE PONI			NONE IN 1	CCWD-LOS	########	Byron Hot	10	615966	4187499
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1330	77681	76722	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	630	37.8346	-121.756	Zone-10 N	T01S, R02E	POND ABO	POND K3, 2	OBSERVATI	Dam/Inunc	RESERVOIR	NONE FOU	CCWD-LOS	########	Tassajara (3	10	609442	4188193
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1331	77692	76724	201310XX	201407XX	N	C-Fair	Presumed	Specific bo	20	Decreasing	Natural/Na	Contra Cos	Byron Hot	550	37.82223	-121.721	Zone-10 N	T01S, R02E	W SIDE OF	PONDS D7	ROLLING G	Dam/Inunc	RESERVOIR	D7: ADULT	CCWD-LOS	########	Byron Hot	10	612562	4186862
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1333	77714	76755	20080416	201407XX	N	D-Poor	Presumed	Specific bo	10	Fluctuating	Natural/Na	Alameda	Byron Hot	1025	37.76905	-121.724	Zone-10 N	T02S, R02E	1 MILE E O	STOCK PON	LACK OF WATER LIKELY PREVENTS			NOT SURVE	CCWD-LOS	########	Byron Hot	10	612393	4180958
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1334	77718	76761	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1980	37.81702	-121.788	Zone-10 N	T01S, R02E	ABOUT 1.3	POND I2, 1	PACIFIC TR	Other | No	PREDATION	3 ADULTS (	CCWD-LOS	########	Tassajara (3	10	606707	4186206
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1864	87807	86845	20070729	20070729	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	50	37.93298	-121.668	Zone-10 N	T01N, R03E	NORTH SID	BLOCK COI	IDLE OR FALLOW FIELD THAT HAD			3 ADULTS A	UNKNOWN	########	Brentwood	10	617044	4199216
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1865	87808	86848	1993XXXX	1993XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.95257	-121.632	Zone-10 N	T01N, R03E	ALONG EA(	BLOCK CODE 4200-620. MAPPED APPROXIMA				NONE DET	UNKNOWN	########	Brentwood	10	620164	4201435
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1866	87810	86849	20060705	20060705	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	40	37.9508	-121.665	Zone-10 N	T01N, R03E	GENERAL A	BLOCK COI	BURROW AND OWLS OBSERVED II			0 BREEDIN	PVT	########	Brentwood	10	617326	4201197
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1867	87811	86850	20060705	20060705	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Brentwood	50	37.9565	-121.678	Zone-10 N	T01N, R03E	SELLERS AV	BLOCK COI	PRIVATE PASTURE (2007). LOWLA			1 BREEDIN	PVT	########	Brentwood	10	616148	4201813
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1868	87813	86853	20120523	20120523	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	100	37.9446	-121.727	Zone-10 N	T01N, R02E	N SIDE OF S	MAPPED T	NON-NATI	Developme	THREATENI	1 MALE AD	UNKNOWN	########	Brentwood	10	611879	4200432
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1869	87817	86859	20070707	20070707	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	110	37.95432	-121.732	Zone-10 N	T01N, R02E	GRANT STR	BLOCK COI	IDLE OR FA	Developme	THREATENI	6 ADULTS A	UNKNOWN	########	Brentwood	10	611391	4201504
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1870	87819	86860	20120523	20120523	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	120	37.9584	-121.742	Zone-10 N	T01N, R02E	0.5 MI WS	MAPPED T	NARROW S	Developme	POSSIBLY T	3 ADULT M	UNKNOWN	########	Brentwood	10	610531	4201946
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1871	87820	86862	1993XXXX	1993XXXX	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	40	37.96553	-121.677	Zone-10 N	T01N, R03E	ALONG SEL	BLOCK CODE 4200-615. MAPPED TO PROVIDE				STATEWIDE	UNKNOWN	########	Brentwood	10	616177	4202816
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1872	87821	86863	1992XXXX	1992XXXX	N	X-None	Possibly Ex	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	100	37.97673	-121.729	Zone-10 N	T02N, R02E	ABOUT 0.3	BLOCK COI	MAJORITY	Developme	DEVELOPM	1 BREEDIN	PVT	########	Brentwood	10	611644	4203995
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1873	87827	86869	20070712	20070712	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	70	37.9825	-121.724	Zone-10 N	T02N, R02E	AREA JUST	BLOCK COI	FALLOW FI	Developme	MUCH OF T	9 ADULTS A	UNKNOWN	########	Brentwood	10	612032	4204641
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1874	87828	86870	1992XXXX	1993XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	20	37.9887	-121.683	Zone-10 N	T02N, R03E	AREA SW C	BLOCK COI	AGRICULTURE?			STATEWIDE	UNKNOWN	########	Brentwood	10	615623	4205379
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1875	87829	86873	1993XXXX	1993XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.9853	-121.666	Zone-10 N	T02N, R03E	ABOUT 0.4	BLOCK CODE 4200-615. MAPPED TO ENCOMF				STATEWIDE	UNKNOWN	########	Brentwood	10	617183	4205024
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1876	87830	86874	1992XXXX	1993XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.9891	-121.66	Zone-10 N	T02N, R03E	ABOUT 0.5	BLOCK COI	AGRICULTURE?			STATEWIDE	UNKNOWN	########	Brentwood	10	617651	4205452
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1877	87831	86875	1990XXXX	1990XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.99666	-121.641	Zone-10 N	T02N, R03E	E SIDE OF E	BLOCK COI	NOT SURE OF LAND USE, BUT UNI			1 PAIR KNC	UNKNOWN	########	Brentwood	10	619344	4206316
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1878	87832	86876	20060704	20060704	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.96888	-121.639	Zone-10 N	T02N, R03E	GENERAL A	BLOCK COI	LOWLAND ELEVATION SUBREGIOI			2 PAIRS KN	PVT	########	Brentwood	10	619568	4203236
Athene cur	burrowing	Birds	ABNSB100	None	None	G4	S2		BLM_S-Sen	1879	89275	88261	20151229	20151229	N	C-Fair	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch So	57	37.99716	-121.78	Zone-10 N	T02N, R02E	ALONG SOI	2012-2014	2012: WEE	Foot traffic	POTENTIAL	2 NEST SITI	PVT-SOUTH	########	Antioch So	10	607158	4206203
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1372	90572	89574	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (3	1150	37.80489	-121.77	Zone-10 N	T01S, R02E	POND ABO	POND I8W.	APPARENTLY NOT PART OF EARLIE			9 ADULTS (	CCWD-LOS	########	Tassajara (3	10	608304	4184881
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1373	90573	89575	19951128	19951128	N	X-None	Extirpated	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot	400	37.83686	-121.73	Zone-10 N	T01S, R02E	VICINITY OI	MAPPED T	THIS REACI	Dam/Inunc	CONSTRUC	3 ADULT M	CCWD-LOS	########	Byron Hot	10	611759	4188474
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	4	90761	89754	20090519	20090519	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Clifton Cou	10	37.81277	-121.549	Zone-10 N	T01S, R04E	ALONG OLI	MAPPED T	HABITAT DESCRIBED AS RIPARIAN			2 SONG SP	UNKNOWN	########	Clifton Cou	10	627730	4186034
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	5	90763	89755	20090519	20090519	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.81955	-121.536	Zone-10 N	T01S, R04E	ALONG GR	MAPPED T	HABITAT DESCRIBED AS RIPARIAN			8 SONG SP	UNKNOWN	########	Clifton Cou	10	628839	4186803
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	6	90767	89760	20090519	20090519	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.85498	-121.548	Zone-10 N	T01S, R04E	ALONG THI	MAPPED T	HABITAT DESCRIBED AS RIPARIAN,			2-14 SONG	UNKNOWN	########	Clifton Cou	10	627733	4190718
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	7	90770	89761	20090505	20090505	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.86333	-121.573	Zone-10 N	T01S, R04E	ALONG THI	MAPPED T	HABITAT DESCRIBED AS RIPARIAN			1-10 SONG	UNKNOWN	########	Clifton Cou	10	625534	4191611
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	8	90788	89780	20090401	20090401	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	5	37.8709	-121.579	Zone-10 N	T01S, R04E	ALONG OLI	MAPPED T	HABITAT DESCRIBED AS MARSH. G			3 BIRDS DE	UNKNOWN	########	Clifton Cou	10	624980	4192442
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	9	90789	89781	20090401	20090401	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Clifton Cou	5	37.86812	-121.539	Zone-10 N	T01S, R04E	ALONG VIC	MAPPED T	HABITAT DESCRIBED AS MARSH. G			2 BIRDS DE	UNKNOWN	########	Clifton Cou	10	628538	4192189
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	10	90790	89782	20090401	20090401	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Clifton Cou	5	37.87343	-121.526	Zone-10 N	T01S, R04E	ALONG VIC	MAPPED T	HABITAT DESCRIBED AS MARSH. G			4 BIRDS DE	UNKNOWN	########	Clifton Cou	10	629614	4192795
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	13	90799	89792	20090519	20090519	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Holt (3712	0	37.88653	-121.488	Zone-10 N	T01N, R04E	JUST S OF L	MAPPED T	HABITAT DESCRIBED AS MARSH &			7, 16, & 2 E	UNKNOWN	########	Holt (3712	10	632958	4194303
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	14	90801	89793	20090505	20090505	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Woodward	0	37.88006	-121.511	Zone-10 N	T01S, R04E	ALONG VIC	MAPPED T	HABITAT DESCRIBED AS MARSH. G			1-6 BIRDS I	UNKNOWN	########	Woodward	10	630935	4193552
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	15	90803	89795	20090520	20090520	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Holt (3712	0	37.90782	-121.511	Zone-10 N	T01N, R04E	ALONG MII	MAPPED T	HABITAT DESCRIBED AS MARSH &			3 & 38 BIRI	UNKNOWN	########	Woodward	10	630872	4196632
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	16	90804	89796	20090520	20090520	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Woodward	0	37.92735	-121.527	Zone-10 N	T01N, R04E	ALONG MII	MAPPED T	HABITAT DESCRIBED AS MARSH &			3-29 BIRDS	UNKNOWN	########	Woodward	10	629495	4198778
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	17	90806	89798	20090520	20090520	N	U-Unknow	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Woodward	0	37.95399	-121.528	Zone-10 N	T01N, R04E	ALONG MII	MAPPED T	HABITAT DESCRIBED AS MARSH &			9 & 11 BIRI	UNKNOWN	########	Woodward	10	629365	4201733

Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	18	90807	89799	20090521	20090521	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Woodward	0	37.98395	-121.527	Zone-10 N	T02N, R04E	AREA AROU	MAPPED T	HABITAT DESCRIBED AS MARSH &			14-49 BIRD	UNKNOWN	########	Woodward	10	629373	4205058
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	19	90808	89800	20090506	20090506	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Woodward	0	37.97666	-121.577	Zone-10 N	T02N, R04E	JUST N OF	MAPPED T	HABITAT DESCRIBED AS MARSH &			13-14 BIRD	UNKNOWN	########	Woodward	10	624974	4204180
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	23	90817	89808	20090521	20090521	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Terminous	0	38.03502	-121.494	Zone-10 N	T02N, R04E	E OF MEDF	1963 SPECI	HABITAT DESCRIBED AS MARSH &			2 SPECIMEI	UNKNOWN	########	Terminous	10	632130	4210771
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	28	90847	89837	20090526	20090526	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Terminous	0	38.0942	-121.493	Zone-10 N	T03N, R04E	ALONG LIT	MAPPED T	HABITAT DESCRIBED AS MARSH. G			7-35 DETEC	UNKNOWN	########	Terminous	10	632161	4217339
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	29	90849	89839	20090526	20090526	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Terminous	0	38.12439	-121.499	Zone-10 N	T03N, R04E	ALONG MC	MAPPED T	HABITAT DESCRIBED AS MARSH &			16-26 DETE	UNKNOWN	########	Terminous	10	631544	4220680
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	30	90851	89843	20090506	20090506	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Woodward	0	38.00455	-121.563	Zone-10 N	T02N, R04E	AROUND LI	MAPPED T	HABITAT DESCRIBED AS MARSH &			20-90 DETE	UNKNOWN	########	Bouldin Isla	10	626138	4207294
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	31	90854	89844	20090506	20090506	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.01978	-121.581	Zone-10 N	T02N, R04E	W SIDE OF	MAPPED T	HABITAT DESCRIBED AS MARSH &			9-19 DETEC	UNKNOWN	########	Bouldin Isla	10	624548	4208960
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	32	90856	89848	20090506	20090506	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.02999	-121.567	Zone-10 N	T02N, R04E	ALONG OLI	MAPPED T	HABITAT DESCRIBED AS MARSH &			3-6 DETECT	UNKNOWN	########	Bouldin Isla	10	625730	4210112
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	33	90861	89854	20090521	20090521	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.02333	-121.513	Zone-10 N	T02N, R04E	ALONG COI	MAPPED T	HABITAT DESCRIBED AS MARSH. G			7 & 3 DETE	UNKNOWN	########	Bouldin Isla	10	630560	4209448
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	34	90865	89857	20090521	20090521	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	San Joaqui	Terminous	0	38.05221	-121.521	Zone-10 N	T02N, R04E	AREA JUST	MAPPED T	HABITAT DESCRIBED AS MARSH. G			10-34 DETE	UNKNOWN	########	Bouldin Isla	10	629798	4212641
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	35	90866	89858	20090526	20090526	N	U-Unknown	Presumed	Circular fea	40	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.12309	-121.513	Zone-10 N	T03N, R04E	ALONG SOI	MAPPED T	HABITAT DESCRIBED AS NON-RIPA			1 DETECTEI	TNC-COSUI	########	Bouldin Isla	10	630331	4220517
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	36	90867	89859	20090617	20090617	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Jersey Islan	0	38.06596	-121.652	Zone-10 N	T03N, R03E	SE SIDE OF	MAPPED T	HABITAT DESCRIBED AS RIPARIAN			UP TO 17 8	UNKNOWN	########	Jersey Islan	10	618208	4213990
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	37	90872	89863	20090624	20090624	N	U-Unknown	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Jersey Islan	0	38.08059	-121.664	Zone-10 N	T03N, R03E	CENTER OF	MAPPED T	HABITAT DESCRIBED AS MARSH. G			6 DETECTEI	UNKNOWN	########	Jersey Islan	10	617207	4215600
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	38	90873	89864	20090624	20090624	N	U-Unknown	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Jersey Islan	0	38.08889	-121.657	Zone-10 N	T03N, R03E	NE AREA O	MAPPED T	HABITAT DESCRIBED AS MARSH, F			16 & 5 DET	UNKNOWN	########	Jersey Islan	10	617737	4216529
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	39	90874	89865	20090624	20090624	N	U-Unknown	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Jersey Islan	0	38.08949	-121.671	Zone-10 N	T03N, R03E	NW AREA (	MAPPED T	HABITAT DESCRIBED AS FALLOW A			5 & 2 DETE	UNKNOWN	########	Jersey Islan	10	616499	4216577
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	40	90875	89866	20090618	20090618	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Sacrament	Jersey Islan	0	38.08901	-121.689	Zone-10 N	T03N, R03E	AREA AROU	MAPPED T	HABITAT DESCRIBED AS MARSH &			89 DETECTI	UNKNOWN	########	Jersey Islan	10	614983	4216503
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	41	90876	87283	2008XXXX	2008XXXX	N	U-Unknown	Presumed	Circular fea	60	Unknown	Natural/Na	Sacrament	Jersey Islan	20	38.10091	-121.711	Zone-10 N	T03N, R02E	NORTH ENI	MAPPED T	SURVEYED AREA INCLUDED RESTC			3.81 & 0.32	DFG-DECKE	########	Jersey Islan	10	612997	4217795
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	42	90877	89867	19401006	19401006	N	U-Unknown	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Jersey Islan	0	38.03629	-121.686	Zone-10 N	T02N, R03E	JERSEY ISLA	MAPPED TO LOCALITY "JERSEY ID, 3 MI NE OF				1 COLLECTI	UNKNOWN	########	Jersey Islan	10	615338	4210657
Melospiza	song sparr	Birds	ABPBXA30	None	None	G5T3?Q	S3?		CDFW_SSC	91	91061	90047	19010604	19010604	N	U-Unknown	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch No	30	38.01569	-121.812	Zone-10 N	T02N, R01E	ANTIOCH.	MAPPED T	LOCATED AT THE EDGE OF THE ES			10 SPECIMI	UNKNOWN	########	Antioch No	10	604274	4208222
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1374	95099	93971	20120812	20120812	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	420	37.75181	-121.61	Zone-10 N	T02S, R03E	ABOUT 2 M	MAPPED T	PONDED AI	ORV activit	VEHICLE TF	8 ADULT CI	PVT	########	Clifton Cou	10	622416	4179187
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1375	95146	94013	20100329	20100329	N	D-Poor	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	60	37.81491	-121.607	Zone-10 N	T01S, R03E	SW OF CLIF	MAPPED T	HABITAT C	Non-native	POSSIBLE T	POSSIBLE A	DWR	########	Clifton Cou	10	622623	4186194
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1378	96145	95016	20130417	20130417	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	140	37.7893	-121.614	Zone-10 N	T02S, R03E	NORTH OF	2013 COOF	HABITAT C	Vehicle col	POSSIBLY T	3 EGG MAS	PVT	########	Clifton Cou	10	622063	4183343
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1379	96146	95017	20100515	20100515	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	120	37.79458	-121.613	Zone-10 N	T02S, R03E	NORTH OF	MAPPED T	HABITAT C	Vehicle col	POSSIBLY T	1 ADULT FC	PVT	########	Clifton Cou	10	622083	4183929
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1384	96492	95362	20120120	20120120	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	715	37.77879	-121.744	Zone-10 N	T02S, R02E	VICINITY O	MAPPED A	GENERAL H	Vehicle col	TRAFFIC OI	1 ADULT AI	CCWD-LOS	########	Byron Hot	10	610599	4182015
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1385	96700	84994	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Decreasing	Natural/Na	Contra Cos	Byron Hot	180	37.87035	-121.709	Zone-10 N	T01S, R02E	POND 0.7 M	POND B1.	CALIFORNIA TIGER SALAMANDER			NOT SURVE	CCWD-LOS	########	Byron Hot	10	613516	4192216
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1386	96702	95562	20160915	20160915	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	156	37.8676	-121.702	Zone-10 N	T01S, R02E	ALONG LO\	2013: ABOI	2013: DEEF	Grazing | R	CATTLE GR	4 ADULTS \	CCWD-LOS	########	Byron Hot	10	614178	4191919
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1387	96704	89499	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	210	37.86778	-121.717	Zone-10 N	T01S, R02E	POND ABO	POND B2.	CALIFORNIA TIGER SALAMANDER			NO SURVEY	CCWD-LOS	########	Byron Hot	10	612812	4191920
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1388	96705	68275	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	230	37.86215	-121.728	Zone-10 N	T01S, R02E	POND 1.8 M	POND B6W	SEMIPERMANENT MARSH. IT APPI			NONE DETE	CCWD-LOS	########	Byron Hot	10	611877	4191283
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1389	96735	95593	20120120	20120120	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	800	37.77121	-121.736	Zone-10 N	T02S, R02E	ALONG LOS	LOCATION	AREA DESC	Vehicle col	THREATENI	ONE JUVEN	CCWD-LOS	########	Byron Hot	10	611304	4181183
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1390	96763	95620	20110712	20110712	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	470	37.78968	-121.67	Zone-10 N	T02S, R03E	SPRING EA	JUST NORT	ALL FROGS WERE FOUI		POTENTIAL	6 ADULTS \	PVT	########	Byron Hot	10	617146	4183314
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1391	96804	95664	20100217	20100217	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	190	37.83123	-121.668	Zone-10 N	T01S, R03E	CANADA D	NEAR CENT	POOL IS CR	Grazing	CATTLE GR	1 JUVENILE	PVT	########	Byron Hot	10	617190	4187925
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1392	96809	95668	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	545	37.81578	-121.756	Zone-10 N	T01S, R02E	WEST SIDE	POND J4.	STOCK PON	Dam/Inunc	RESERVOIR	THOUGH P	CCWD-LOS	########	Tassajara (	10	609500	4186105
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1394	96819	68280	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	600	37.84702	-121.762	Zone-10 N	T01S, R02E	ABOUT 2 M	POND L1.	STOCK POND. THE POND APPEARS			NONE DETE	CCWD-LOS	########	Tassajara (	10	608898	4189563
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1396	96908	95772	20140514	20140514	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	1455	37.92377	-121.862	Zone-10 N	T01N, R01E	ABOUT 1.3	MAPPED T	HABITAT NOTES STATE		THREATENI	PRESENT IN	EBRPD	########	Antioch So	10	599980	4197968
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	1252	96926	76542	201407XX	201407XX	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	695	37.80154	-121.716	Zone-10 N	T01S, R02E	POND ABO	KEY STOCK POND F6.				1 ADULT DI	CCWD-LOS	########	Byron Hot	10	613021	4184572
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	1253	96927	76451	201407XX	201407XX	N	U-Unknown	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1370	37.78003	-121.762	Zone-10 N	T02S, R02E	LOS VAQUI	POND H1B.				1 DETECTEI	CCWD-LOS	########	Tassajara (	10	609034	4182131
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	1254	96928	76761	201407XX	201407XX	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1980	37.81702	-121.788	Zone-10 N	T01S, R02E	ABOUT 1.3	POND I2.				1 DETECTEI	CCWD-LOS	########	Tassajara (	10	606707	4186206
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	593	98194	96961	20080427	20110417	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	45	37.822	-121.617	Zone-10 N	T01S, R03E	ABOUT 0.6	COLONY D	SMALL WETLAND POND RINGED B			APPROXIM	UNKNOWN	########	Clifton Cou	10	621693	4186966
Reithrodon	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	201	100916	99365	20150812	20150812	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Sacrament	Antioch No	5	38.06001	-121.833	Zone-10 N	T03N, R01E	NW CORNE	MAPPED T	TIDAL WET	Non-native	FLOODING,	1 ADULT C/	DFG-LOWE	########	Antioch No	10	602397	4213116
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1422	100933	99382	20150316	20150316	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	30	37.84528	-121.625	Zone-10 N	T01S, R03E	E OF THE 4	MAPPED T	ANNUAL G	Vandalism/	TRESSPASS	1 DESSICAT	PVT	########	Clifton Cou	10	620998	4189540
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	1276	101337	99793	20150325	20150325	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Woodward	6	37.9406	-121.611	Zone-10 N	T01N, R03E	ALONG THI	MAPPED T	CHANNEL \	Recreation	POSSIBLE T	1 ADULT SE	UNKNOWN	########	Woodward	10	622043	4200134
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	1955	101456	99908	20200312	20200312	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	778	37.76191	-121.809	Zone-10 N	T02S, R01E	FROM ABO	MAPPED T	OVERWINT	ORV activit	MOWING,	1 ADULT FL	PVT	########	Tassajara (	10	604920	4180067
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	838	101790	A0227	20150315	20150315	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Antioch So	314	37.93109	-121.794	Zone-10 N	T01N, R02E	0.5-1 MI N\	COLONY D	MAN MADE GOLF COURSE PONDS			ABOUT 30	PVT	########	Antioch So	10	605992	4198855
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	841	101831	A0269	20110417	20150419	N	U-Unknown	Presumed	Non-specifi	30	Unknown	Natural/Na	Alameda	Altamont (	629	37.749	-121.709	Zone-10 N	T02S, R02E	AT N END (	1994 & 199	HABITAT CONSISTED OF GRASSES			NESTING IN	PVT, LIVERI	########	Altamont (	10	613777	4178751
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	939	103398	A1804	20080425	20080425	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	820	37.76705	-121.734	Zone-10 N	T02S, R02E	JUST W OF	MAPPED A	STOCK POND SURROUNDED BY VA			ABOUT 250	CCWD-LOS	########	Byron Hot	10	611468	4180723
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	940	103399	76688	20080425	20080425	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	300	37.82754	-121.682	Zone-10 N	T01S, R03E	ABOUT 2.2	EAST OF LC	STOCK POND SURROUNDED BY VA			ABOUT 300	CCWD-LOS	########	Byron Hot	10	615966	4187499
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	941	103400	A1806	20080425	20080425	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	291	37.83064	-121.687	Zone-10 N	T01S, R03E	ABOUT 1.9	MAPPED T	STOCK POND SURROUNDED BY VA			ABOUT 80	CCWD-LOS	########	Byron Hot	10	615529	4187837
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	942	103401	76482	20080425	20080425	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	920	37.77732	-121.721	Zone-10 N	T02S, R02E	ABOUT 1 M	MAPPED A	STOCK POND SURROUNDED BY VA			ABOUT 200	CCWD-LOS	########	Byron Hot	10	612651	4181879
Agelaius tri	tricolored b	Birds	ABPBXB002	None	Threatene	G1G2	S2		BLM_S-Sen	987	103872	A2263	1993XXXX	19940423	N	U-Unknown	Presumed	Circular fea	60	Unknown	Natural/Na	Alameda	Livermore (	759	37.747	-121.819	Zone-10 N	T02S, R01E	ABOUT 0.6	MAPPED A	TALL GREEN MUSTARD FIELD IN 1			BREEDING	UNKNOWN	########	Livermore (	10	604063	4178401
Ammodran	grasshoppe	Birds	ABPBXA002	None	None	G5	S3		CDFW_SSC	21	103909	A2299	20160516	20160516	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Altamont (	668	37.75032	-121.74	Zone-10 N	T02S, R02E	ABOUT 0.9	MAPPED T	WETLAND/	Grazing | N	PREDATOR	PRESUMED	CNLM	########	Byron Hot	10	611038	4178861
Laterallus j	California b	Birds	ABNME030	None	Threatene	G3T1	S2		BLM_S-Sen	292	104996	A3362	20100413	20100413	N	U-Unknown	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Woodward	4	37.9934	-121.579	Zone-10 N	T02N, R04E	ALONG OLI	MAPPED T	MARSH.			2 AURAL DI	UNKNOWN	########	Woodward	10	624801	4206036
Laterallus j	California b	Birds	ABNME030	None	Threatene	G3T1	S2		BLM_S-Sen	293	104999	A3365	19920515	19920515	N	B-Good	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Bouldin Isla	10	38.0014	-121.568	Zone-10 N	T02N, R04E	WITHIN CO	BLACK RAIL	HABITAT C	Recreation	POSSIBLE T	1 RAIL RESI	UNKNOWN	########	Bouldin Isla	10	625718	4206938
Laterallus j	California b	Birds	ABNME030	None	Threatene	G3T1	S2		BLM_S-Sen	294	105001	A3367	20100413	20100413	N	U-Unknown	Presumed	Circular fea	40	Unknown	Natural/Na	San Joaqui	Bouldin Isla	6	38.0111	-121.557	Zone-10 N	T02N, R04E	WITHIN CO	BLACK RAIL	MARSH AND RIPARIAN SHRUB-SCI			2 AURAL DI	UNKNOWN	########	Bouldin Isla	10	626693	4208029
Laterallus j	California b	Birds	ABNME030	None	Threatene	G3T1	S2		BLM_S-Sen	295	105002	A3368	20100317	20100317	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Woodward	6	37.9917	-121.51	Zone-10 N	T02N, R04E	LATHAM SI	BLACK RAIL	MARSH.			1 AURAL DI	UNKNOWN	########	Woodward	10	630810	4205941
Laterallus j	California b	Birds	ABNME030	None	Threatene	G3T1	S2		BLM_S-Sen	296	105008	A3374	20100414	20100414	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.04678	-121.529	Zone-10 N	T02N, R04E	ALONG MII	MAPPED A	MARSH.			0 DETECTEI	UNKNOWN	########	Bouldin Isla	10	629058	4212026
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	1339	105388	A3736	20160613	20160613	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Sacrament	Jersey Islan	0	38.03	-121.749	Zone-10 N	T02N, R02E	SHERMAN ISLAND, ON		SHORELINE	Agriculture	BOATING T	1 ADULT OI	PVT, STATE	########	Jersey Islan	10	609777	4209882
Laterallus j	California b	Birds	ABNME030	None	Threatene	G3T1	S2		BLM_S-Sen	324	105442	A3790	20140515	20140515	N	U-Unknown	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Jersey Islan	7	38.01383	-121.739	Zone-10 N	T02N, R02E	S BANK OF	FEATURE IN	FRESHWATER MARSH DOMINATEI			REPORTED	PVT-DUPOI	########	Jersey Islan	10	610720	4208100
Arizona ele	California g	Reptiles	ARADB010	None	None	G5T2	S2		CDFW_SSC	259	105521	A3867	19580427	19580427	N	U-Unknown	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch No	12	38.0135	-121.783	Zone-10 N	T02N, R02E	ANTIOCH DUNES, 1.8 F		FOUND UNDER BOARD IN SAND D			SPECIMEN	USFWS-AN	########	Antioch No	10	606793	4208011
Emys marn	western pc	Reptiles	ARAAD020	None	None	G3G4	S3		BLM_S-Sen	1344	105574	A3916	20161024	20161024	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Sacrament	Jersey Islan	0	38.11793	-121.647	Zone-10 N	T03N, R03E	SEVENMILE	MAPPED T	WATERWA	Non-native	POTENTIAL	1 ADULT OI	UNKNOWN	########	Jersey Islan	10	618595	4219764
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1471	108195	A6435	20170131	20170131	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	630	37.8929	-121.828	Zone-10 N	T01N, R01E	N OF MARS	MAPPED T	DETECTED	Other | No	APPARENT	APPROXIM	PVT	########	Antioch So	10	603067	4194579
Elanus leuc	white-taile	Birds	ABNKC060	None	None	G5	S3S4		BLM_S-Sen	180	112647	B0777	20170512	20170512	N	D-Poor	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	49	37.98695	-121.715	Zone-10 N	T02N, R02E	ABOUT 300	MAPPED T	PRESUMED NEST IN COAST LIVE O			PAIR OBSEI	CCWD	########	Brentwood	10	612843	4205146
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2040	112967	B1079	20170510	20170510	N	D-Poor	Presumed	Non-specifi	30	Unknown	Natural/Na	Contra Cos	Jersey Islan	6	38.00241	-121.689	Zone-10 N	T02N, R03E	E SIDE MAF	MAPPED T	IN 2017, VE	Dam/Inunc	HERBICIDE	NONE OBSI	DWR	########	Jersey Islan	10	615121	4206894
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2042	113222	B1314	20170530	20170530	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	168	37.78189	-121.607	Zone-10 N	T02S, R03E	NE SIDE OF	MAPPED T	BURROW A	Other | Vel	TRAFFIC, D	ADULT OBS	DWR-BETH	########	Clifton Cou	10	622644	4182529
Anniella pu	Northern C	Reptiles	ARACC0102	None	None	G3	S2S3		CDFW_SSC	381	113925	B2001	19410531	19410531	N	C-Fair	Presumed	Circular fea	70	Unknown	Natural/Na	Contra Cos	Antioch No	22	38.01262	-121.843	Zone-10 N	T02N, R01E	VICINITY O	LOCATION	AREA WAS	Developme	DEVELOPM	3 COLLECTI	UNKNOWN	########	Antioch No	10	601589	4207847
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2065	119391	B6337	20130619	20130619	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	720	37.7605	-121.845	Zone-10 N	T02S, R01E	1.7 AIR MII	ON UPPER	HILLY, GRAZED GRASSLAND.			1 ADULT AI	PVT	########	Tassajara (	10	601774	4179871
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2067	119401	B6347	2013XXXX	2013XXXX	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Altamont (	1019	37.74857	-121.664	Zone-10 N	T02S, R03E	0.6 TO 0.9	WITHIN EG	GRAZED NON-NATIVE ANNUAL GF			5 ADULTS (	DWR	########	Altamont (	10	617730	4178760
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2072	119414	B6360	2007XXXX	2007XXXX	N	U-Unknown	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	788	37.80101	-121.69	Zone-10 N	T01S, R03E	ABOUT 3.8 AIR MILES SW OF BYRC			Grazing | C	AREA IS US	SIGNS OF C	EBRPD	########	Byron Hot	10	615370	4184545
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2073	119415	B6361	20150501	20150501	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	182	37.85607	-121.696	Zone-10 N	T01S, R03E	ALONG WA	NEAR POND C2.		Dam/Inunc	MAY BE TH	1 ADULT OI	CONTRA C	########	Byron Hot	10	614720	4190647
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2074	119416	B6362	20150426	20150426	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	256	37.8396	-121.695	Zone-10 N	T01S, R03E	1.8 AIR MII	NEAR POND E1.		Dam/Inunc	MAY BE TH	1 ADULT OI	CONTRA C	########	Byron Hot	10	614845	4188822
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2075	119417	B6363	20150423	20150423	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	220	37.83586	-121.687	Zone-10 N	T01S, R03E	2.2 AIR MII	NEAR POND E9W.		Dam/Inunc	MAY BE TH	1 ADULT OI	CONTRA C	########	Byron Hot	10	615518	4188416
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2076	119418	B6364	20150426	20150426	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	266	37.83431	-121.693	Zone-10 N	T01S, R03E	1.9 AIR MII	NEAR POND E11W.		Dam/Inunc	MAY BE TH	1 ADULT OI	CONTRA C	########	Byron Hot	10	614986	4188236
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2077	119419	B6365	20150423	20150423	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	811	37.82276	-121.709	Zone-10 N	T01S, R02E	1.5 AIR MII	NEAR POND D6.		Dam/Inunc	MAY BE TH	1 ADULT OI	CONTRA C	########	Byron Hot	10	613615	4186935
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2078	119420	B6366	20111201	20111201	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	978	37.8011	-121.704	Zone-10 N	T01S, R02E	2.8 AIR MILES SSE OF T		SOUTH-FA	Vehicle col	ON A PRIV/	2 ADULTS /	PVT	########	Byron Hot	10	614066	4184538
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2079	119421	B6367	20111201	20111201	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	1115	37.78877	-121.717	Zone-10 N	T02S, R02E	3.4 AIR MILES SSE OF T		WEST-FACI	Vehicle col	ON A PRIV/	2 ADULTS /	PVT	########	Byron Hot	10	612933	4183154
Athene cur	burrowing	Birds	ABNSB1001	None	None	G4	S2		BLM_S-Sen	2080	119423	B6368	20150319	20150319	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	497	37.75136	-121.633	Zone-10 N	T02S, R03E	1.2 AIR MILES ENE OF		GRAZED AN	Collisions w	NO IMMED	2 ADULTS \	PVT	########	Byron Hot	10	620419	4179108
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1713	119867	B6799	20180905	20180905	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1865	37.83306	-121.792	Zone-10 N	T01S, R02E	POND ABO	MAPPED T	LIVESTOCK POND IN GRAZED RAN			3 ADULTS /	EBRPD-MO	########	Tassajara (	10	606319	4187980
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1716	120341	B7272	20190507	20190507	N	U-Unknown	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1084	37.87295	-121.813	Zone-10 N	T01S, R01E	PONDS ABOUT 0.8 MI		PONDS IN DIABLO FOOTHILLS.			1 JUVENILE	UNKNOWN	########	Tassajara (	10	604405	4192383
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1727	120352	B7283	20200207	20200207	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	486	37.8345	-121.728	Zone-10 N	T01S, R02E	DAM OUTL	MAPPED T	FOUND WI	Other	OPERATION	1 SUBADUI	CCWD-LOS	########	Byron Hot	10	611972	4188215

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE **RareFind**

Query Summary:
Quad IS (Antioch North (3812117) OR Antioch South (3712187) OR Jersey Island (3812116) OR Bouldin Island (3812115) OR Brentwood (3712186) OR Woodward Island (3712185) OR Tassajara (3712177) OR Byron Hot Springs (3712176) OR Clifton Court Forebay (3712175))
AND CA Rare Plant Rank IS (1A OR 1B OR 1B.1 OR 1B.2 OR 1B.3 OR 2A OR 2B OR 2B.1 OR 2B.2 OR 2B.3)

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CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Amsinckia grandiflora	large-flowered fiddleneck	Dicots	PDBOR01050	9	4	Endangered	Endangered	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	Cismontane woodland, Valley & foothill grassland
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	17	10	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	Chaparral, Cismontane woodland
Arctostaphylos manzanita ssp. laevigata	Contra Costa manzanita	Dicots	PDERI04273	10	2	None	None	G5T2	S2	1B.2	SB_UCSC-UC Santa Cruz	Chaparral
Astragalus tener var. tener	alkali milk-vetch	Dicots	PDFAB0F8R1	65	4	None	None	G2T1	S1	1B.2	SB_UCSC-UC Santa Cruz	Alkali playa, Valley & foothill grassland, Vernal pool, Wetland
Atriplex cordulata var. cordulata	heartscale	Dicots	PDCHE040B0	66	2	None	None	G3T2	S2	1B.2	BLM_S-Sensitive	Chenopod scrub, Meadow & seep, Valley & foothill grassland
Atriplex depressa	brittlescale	Dicots	PDCHE042L0	60	11	None	None	G2	S2	1B.2	null	Alkali playa, Chenopod scrub, Meadow & seep, Valley & foothill grassland, Vernal pool, Wetland
Atriplex minuscula	lesser saltscale	Dicots	PDCHE042M0	52	1	None	None	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Alkali playa, Chenopod scrub, Valley & foothill grassland
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	53	24	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Valley & foothill grassland
Brasenia schreberi	watershield	Dicots	PDCAB01010	43	1	None	None	G5	S3	2B.3	IUCN_LC-Least Concern	Marsh & swamp, Wetland
Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	52	16	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Cismontane woodland, Riparian woodland, Valley & foothill grassland
Carex comosa	bristly sedge	Monocots	PMCYP032Y0	31	1	None	None	G5	S2	2B.1	IUCN_LC-Least Concern	Coastal prairie, Freshwater marsh, Marsh & swamp, Valley & foothill grassland, Wetland
Centromadia parryi ssp. congdonii	Congdon's tarplant	Dicots	PDAST4R0P1	96	10	None	None	G3T2	S2	1B.1	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Valley & foothill grassland
Chloropyron molle ssp. molle	soft salty bird's-beak	Dicots	PDSCR0J0D2	27	1	Endangered	Rare	G2T1	S1	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Marsh & swamp, Salt marsh, Wetland
Cicuta maculata var. bolanderi	Bolander's water-hemlock	Dicots	PDAPI0M051	17	3	None	None	G5T4T5	S2?	2B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Marsh & swamp, Salt marsh, Wetland
Cryptantha hooveri	Hoover's cryptantha	Dicots	PDBOR0A190	4	1	None	None	GH	SH	1A	null	Interior dunes, Valley & foothill grassland

Delphinium recurvatum	recurved larkspur	Dicots	PDRAN0B1J0	119	4	None	None	G2?	S2?	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Chenopod scrub, Cismontane woodland, Valley & foothill grassland
Downingia pusilla	dwarf downingia	Dicots	PDCAM060C0	132	2	None	None	GU	S2	2B.2	null	Valley & foothill grassland, Vernal pool, Wetland
Eriogonum nudum var. psychicola	Antioch Dunes buckwheat	Dicots	PDPGN0849Q	1	1	None	None	G5T1	S1	1B.1	null	Interior dunes
Eriogonum truncatum	Mt. Diablo buckwheat	Dicots	PDPGN085Z0	7	3	None	None	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	Chaparral, Coastal scrub, Valley & foothill grassland
Eryngium jepsonii	Jepson's coyote-thistle	Dicots	PDAPI0Z130	19	1	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Valley & foothill grassland, Vernal pool
Eryngium racemosum	Delta button-celery	Dicots	PDAPI0Z0S0	26	1	None	Endangered	G1	S1	1B.1	null	Riparian scrub, Wetland
Eryngium spinosepalum	spiny-sepaled button-celery	Dicots	PDAPI0Z0Y0	108	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Valley & foothill grassland, Vernal pool, Wetland
Erysimum capitatum var. angustatum	Contra Costa wallflower	Dicots	PDBRA16052	4	4	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Interior dunes
Eschscholzia rhombipetala	diamond-petaled California poppy	Dicots	PDPAP0A0D0	12	3	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	Valley & foothill grassland
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	127	47	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Alkali playa, Chenopod scrub, Meadow & seep, Valley & foothill grassland
Fritillaria liliacea	fragrant fritillary	Monocots	PMLIL0V0C0	82	1	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive	Cismontane woodland, Coastal prairie, Coastal scrub, Ultramafic, Valley & foothill grassland
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	107	19	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Broadleaved upland forest, Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland
Hesperolinon breweri	Brewer's western flax	Dicots	PDLIN01030	29	12	None	None	G2	S2	1B.2	null	Chaparral, Cismontane woodland, Ultramafic, Valley & foothill grassland
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	173	60	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	Freshwater marsh, Marsh & swamp, Wetland
Lasthenia conjugens	Contra Costa goldfields	Dicots	PDAST5L040	36	1	Endangered	None	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	Alkali playa, Cismontane woodland, Valley & foothill grassland, Vernal pool, Wetland
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	133	38	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Freshwater marsh, Marsh & swamp, Wetland
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	198	119	None	Rare	G2	S2	1B.1	null	Freshwater marsh, Marsh & swamp, Riparian scrub, Wetland
Limosella australis	Delta mudwort	Dicots	PDSCR10030	59	45	None	None	G4G5	S2	2B.1	null	Brackish marsh, Freshwater marsh, Marsh & swamp, Riparian scrub, Wetland
Madia radiata	showy golden madia	Dicots	PDAST650E0	100	2	None	None	G3	S3	1B.1	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Cismontane woodland, Valley & foothill grassland
Malacothamnus hallii	Hall's bush-mallow	Dicots	PDMAL0Q0F0	46	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic	Chaparral, Coastal scrub, Ultramafic

											Garden	
Navarretia nigelliformis ssp. radians	shining navarretia	Dicots	PDPLM0C0J2	102	4	None	None	G4T2	S2	1B.2	BLM_S-Sensitive	Cismontane woodland, Valley & foothill grassland, Vernal pool, Wetland
Oenothera deltoides ssp. howellii	Antioch Dunes evening-primrose	Dicots	PDONA0C0B4	10	9	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	Interior dunes
Plagiobothrys hystriculus	bearded popcornflower	Dicots	PDBOR0V0H0	15	1	None	None	G2	S2	1B.1	null	Valley & foothill grassland, Vernal pool, Wetland
Potamogeton zosteriformis	eel-grass pondweed	Monocots	PMPOT03160	20	1	None	None	G5	S3	2B.2	null	Marsh & swamp, Wetland
Puccinellia simplex	California alkali grass	Monocots	PMPOA53110	80	6	None	None	G2	S2	1B.2	BLM_S-Sensitive	Chenopod scrub, Meadow & seep, Valley & foothill grassland, Vernal pool
Scutellaria galericulata	marsh skullcap	Dicots	PDLAM1U0J0	39	3	None	None	G5	S2	2B.2	null	Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Wetland
Scutellaria lateriflora	side-flowering skullcap	Dicots	PDLAM1U0Q0	13	1	None	None	G5	S2	2B.2	IUCN_LC-Least Concern	Marsh & swamp, Meadow & seep, Wetland
Senecio aphanactis	chaparral ragwort	Dicots	PDAST8H060	98	2	None	None	G3	S2	2B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Chaparral, Cismontane woodland, Coastal scrub
Sidalcea keckii	Keck's checkerbloom	Dicots	PDMAL110D0	50	1	Endangered	None	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Cismontane woodland, Ultramafic, Valley & foothill grassland
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	22	9	None	None	G5T2	S2	1B.2	null	Marsh & swamp, Meadow & seep
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	175	73	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_USDA-US Dept of Agriculture	Brackish marsh, Freshwater marsh, Marsh & swamp, Wetland
Tropidocarpum capparideum	caper-fruited tropidocarpum	Dicots	PDBRA2R010	20	8	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive	Valley & foothill grassland
Viburnum ellipticum	oval-leaved viburnum	Dicots	PDCPR07080	39	2	None	None	G4G5	S3?	2B.3	null	Chaparral, Cismontane woodland, Lower montane coniferous forest

SciName	ComName	TaxonGroup	ElmCode	FedList	CalList	GRank	SRank	RPlantRank	OthrStatus	OccNumber	EOndx	Mapndx	ElmDate	SiteDate	Sensitive	OccRank	Presence	Accuracy	AccuracyOrder	Trend	OccType	County	Quad	Elevation	Latitude	Longitude	UTM	PLSS	Location	LocDetails	Ecological	ThreatList	Threat	General	OwnerMgt	LastUpdate	KeyQuad	UTMZone	UTME	UTMN
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		31	43	30337	20100623	20100623	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento	Jersey Island (3812116) | Antioch North (3812117)	5	38.0741	-121.75791	Zone-10 N4214765 E608943	T03N, R02E, Sec. 28 (M)	NORTH SHORE OF SHERMAN ISLAND ALONG THE SACRAMENTO RIVER, WEST OF DECKER ISLAND.		GROWING BELOW RIPRAP AND THE WATERSIDE TOE OF THE LEVEE, BETWEEN THE TULE BERM AND THE LEVEE. ASSOCIATED WITH LILAEOPSIS MASONII AND SYMPHYOTRICHUM LENTUM.	Vandalism/dumping/litter | Recreational use (non-ORV) | Waterway bank protection/maintenance	RIPRAP, FISHING ACCESS, AND TRASH. LEVEE MAINTENANCE AND UPGRADES ALSO THREATEN.	AT LEAST 30 PLANTS IN 1994. HUNDREDS OF PLANTS OBSERVED IN 2010 ALONG WATERSIDE OF LEVEE.	UNKNOWN	5/18/2011 0:00	Antioch North (3812117)	10	608943	4214765
Senecio aphanactis	chaparral ragwort	Dicots	PDAST8H060	None	None	G3	S2	2B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	14	264	79661	19330329	19330329	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187) | Clayton (3712188)	1000	37.95777	-121.88057	Zone-10 N4201721 E598339	T01N, R01E, Sec. 05, SE (M)	NORTONVILLE HILLS.	MAPPED AT CNDDB AT HILLS NEAR NORTONVILLE SITE.				ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1933 COLLECTION BY HOWELL. NEEDS FIELDWORK.	UNKNOWN	8/18/2010 0:00	Clayton (3712188)	10	598339	4201721
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	20	851	34578	1988XXXX	1988XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1000	37.78918	-121.75542	Zone-10 N4183154 E609584	T02S, R02E, Sec. 04, NE (M)	ABOUT 1.3 AIR MILES SW OF THE SOUTHERN END OF LOS VAQUEROS RESERVOIR, 12 MILES EAST OF DANVILLE.	TWO COLONIES IN THE SE 1/4 OF THE NE 1/4 OF SECTION 4.	USUALLY AT CHAPARRAL-OAK WOODLAND INTERFACE WITH SHALLOW, ROCKY, OFTEN AZONAL SOILS. USUALLY IN PARTIALLY SHADED LOCALITIES AT CANOPY EDGES.			20 PLANTS OBSERVED IN NE COLONY AND 50 SEEN IN SW COLONY IN 1988.	CCA WATER DIST	4/22/2011 0:00	Tassajara (3712177)	10	609584	4183154
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	25	993	27840	20020506	20020506	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1000	37.93998	-121.84892	Zone-10 N4199780 E601145	T01N, R01E, Sec. 10, SE (M)	BLACK DIAMOND MINES REGIONAL PARK, ABOUT 0.4 MILE SOUTH OF STEWARTVILLE.	IN THE SW 1/4 OF THE SE 1/4 OF SECTION 10, JUST NE OF THE TRANSMISSION LINES.	CHAPARRAL WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, AND MIMULUS AURANTIACUS.	Grazing | Foot traffic/trampling	OFF-TRAIL USE AND HEAVY GRAZING.	APPROXIMATELY 10,000 PLANTS OBSERVED IN 1990. PLANTS ALSO OBSERVED IN 2002, BUT POPULATION SIZE WAS NOT PROVIDED.	EBRPD-BLACK DIAMOND MINES RP	4/26/2011 0:00	Antioch South (3712187)	10	601145	4199780
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	15	1769	10343	20090602	20090602	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1000	37.95156	-121.86622	Zone-10 N4201047 E599609	T01N, R01E, Sec. 09, N (M)	BLACK DIAMOND MINES REGIONAL PRESERVE, SOUTH OF SOMERSVILLE NEAR THE HEAD OF MARKLEY CANYON.	MAPPED BY CNDDB AS 6 POLYGONS IN THE NORTHERN PORTION OF SECTION 9 AND THE SE 1/4 OF THE SE 1/4 OF SECTION 4.	CHAPARRAL-FOOTHILL PINE WOODLAND. ASSOCIATED WITH PINUS SABINIANA, ARCTOSTAPHYLOS MANZANITA, QUERCUS WISLIZENI, SALVIA MELLIFERA, MIMULUS AURANTIACUS, DODECATHEON, PTELEA CRENULATA, ERIODICTYON CALIFORNICA, TOXICODENDRON, ETC.	Foot traffic/trampling	THREATENED BY OFF-TRAIL TRAVEL.	NUMBERS OF PLANTS OBSERVED IN POLYGONS GOING FROM WEST TO EAST: 1 IN 1995, 1 IN 1991, APPROX 800 IN 1991, 2 IN 2009, 2 IN 1991, AND UNKNOWN NUMBER IN 2002. APPROX 100 PLANTS ALSO OBSERVED IN VICINITY IN 1981, BUT EXACT LOCATION UNCERTAIN.	EBRPD-BLACK DIAMOND MINES RP	4/22/2011 0:00	Antioch South (3712187)	10	599609	4201047
Atriplex depressa	brittlescale	Dicots	PDCHE042L0	None	None	G2	S2	1B.2		43	2250	31361	20000806	20000806	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	100	37.81459	-121.64352	Zone-10 N4186110 E619397	T01S, R03E, Sec. 28, SE (M)	S OF ARMSTRONG ROAD, 2.25-2.5 MILES SSW OF BYRON HOT SPRINGS.	ALONG DRAINAGE IN THE SE 1/4 SECTION 28.	ALKALI MEADOW AT LOW END OF DRAINAGE WHERE IT IS CUT OFF BY ELEVATED ROADBED. ASSOCIATED WITH FRANKENIA SALINA, ATRIPLEX CORONATA, CENTROMADIA PUNGENS, HORDEUM MARINUM SSP. GUSSONEANUM, AND DISTICHLIS SPICATA.	Development | Grazing	GRAZING AND DEVELOPMENT THREATEN. SITE IS WITHIN BYRON PLANNING AREA.	PLANTS VIEWED FROM ROADSIDE ONLY IN 1994. SITE VISITED BY PRESTON IN 2000. UNKNOWN NUMBER OF PLANTS SEEN.	PVT	6/1/2011 0:00	Byron Hot Springs (3712176)	10	619397	4186110
Delphinium recurvatum	recurved larkspur	Dicots	PDRAN0B1J0	None	None	G2?	S2?	1B.2	BLM_S-Sensitive | SB_SBBG-Santa Barbara Botanic Garden	61	2452	31546	20100720	20100720	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Alameda	Clifton Court Forebay (3712175)	120	37.80353	-121.60332	Zone-10 N4184935 E622954	T01S, R03E, Sec. 36, NW (M)	EAST SIDE OF BRUNS ROAD ABOUT 0.6 MILE NORTH OF KELSO ROAD, JUST SOUTH OF CONTRA COSTA/ALAMEDA COUNTY LINE.	MAPPED WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 36.	MARGIN OF MIMA-TOPOGRAPHY ADJACENT TO ALKALINE SOIL DEPRESSIONS, IN GRASSLAND WITH DISTICHLIS, HORDEUM DEPRESSUM, FRANKENIA GRANDIFOLIA, LEPIDIUM, LOLIUM, SPERGULARIA, ET AL. SOILS ARE FINE, GRAVELLY ALKALINE CLAY.			150 PLANTS OBSERVED IN 1991. A 2010 OBSERVATION FROM "BRUNS ROAD, BYRON" IS ALSO ATTRIBUTED TO THIS SITE.	PVT	1/25/2016 0:00	Clifton Court Forebay (3712175)	10	622954	4184935
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	1	2727	31494	19370902	19370902	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187) | Antioch North (3812117)		38.01233	-121.85075	Zone-10 N4207806 E600885	T02N, R01E, Sec. 15 (M)	LOS MEDANOS, NEAR ANTIOCH, SUISUN BAY.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS CENTERED ON LOS MEDANOS, WEST OF ANTIOCH.	OLD OAT FIELD WITH LACTUCA SERRIOLA, EREMOCARPUS SETIGERUS, AND EPILOBIUM PANICULATUM.			SITE BASED ON TWO 1916 COLLECTIONS. A 1937 HOOVER COLLECTION FROM "1 MILE WEST OF ANTIOCH" IS ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.	UNKNOWN	5/3/2011 0:00	Antioch North (3812117)	10	600885	4207806
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	2	2728	31493	19370831	19370831	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117) | Honker Bay (3812118)		38.02206	-121.89008	Zone-10 N4208844 E597420	T02N, R01E, Sec. 17 (M)	PITTSBURG.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS CENTERED ON TOWN OF PITTSBURG.				ONLY SOURCE OF INFORMATION IS A 1937 COLLECTION BY HOOVER. NEEDS FIELDWORK.	UNKNOWN	11/15/2006 0:00	Honker Bay (3812118)	10	597420	4208844
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		124	2838	26534	20090807	20090807	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	0	38.01119	-121.55317	Zone-10 N4208045 E627011	T02N, R04E, Sec. 21, NW (M)	NEAR THE JUNCTION OF OLD RIVER AND CONNECTION SLOUGH, BETWEEN MANDEVILLE ISLAND AND BACON ISLAND.	MAPPED BY CNDDB AS 9 POLYGONS ACCORDING TO 2010 DWR DIGITAL DATA.	PLANTS GROWING ON EXPOSED TIDAL MUD FLATS AND EXPOSED TOPS OF PILINGS. ASSOCIATED WITH SCIRPUS, CRASSULA, ELEOCHARIS, JUNCUS EFFUSUS, LYTHRUM, AGROSTIS, TYPHA, PAMPAS GRASS, CORNUS, AND LIMOSELLA.	Erosion/runoff	EROSION IS A THREAT.	SMALL PATCH OF PLANTS ON TOP OF OLD PILING SEEN BY PERRINE IN 1994. MANY PATCHES SCATTERED IN THIS AREA IN 2009.	UNKNOWN	11/24/2010 0:00	Bouldin Island (3812115)	10	627011	4208045
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		125	2840	26533	20090805	20090805	N	D-Poor	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	5	38.02313	-121.56062	Zone-10 N4209359 E626336	T02N, R04E, Sec. 17, E (M)	OLD RIVER; BETWEEN MANDEVILLE ISLAND AND QUIMBY ISLAND. 1.1-1.6 MI NW OF JCT OF YOUNG SLOUGH AND CONNECTION SLOUGH.	MAPPED BY CNDDB AS 3 POLYGONS; TWO SOUTH-MOST POLYGONS BASED ON A 1994 MAP, NORTH-MOST POLYGON BASED ON 2010 DWR DIGITAL DATA.	PATCHES IN SOUTHERN POLYGONS OBSERVED GROWING ON MUD, LOGS, AND OLD BARGE. NORTH-MOST POLYGON OBSERVED GROWING ON AN ABANDONED DOCK BELOW HIGH WATER MARK IN SHADE OF PAMPAS GRASS WITH CYPERUS.			1 PATCH OBSERVED IN SOUTH-MOST POLYGON IN 1992. TWO PATCHES OBSERVED IN MIDDLE POLYGON IN 1992 AND 1994. A SMALL DENSE 2 X 2' PATCH OBSERVED IN NORTH-MOST POLYGON IN 2009; OTHER SMALL CLUMPS PRESENT NEARBY ON DOCK WRECKAGE.	UNKNOWN	11/24/2010 0:00	Bouldin Island (3812115)	10	626336	4209359
Atriplex depressa	brittlescale	Dicots	PDCHE042L0	None	None	G2	S2	1B.2		1	2916	24326	1990XXXX	1990XXXX	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	100	37.84837	-121.64863	Zone-10 N4189852 E618893	T01S, R03E, Sec. 16 (M)	0.9 AIR MILE NW OF BYRON HOT SPRINGS TO 1.5 AIR MILE SW OF BYRON HOT SPRINGS.	MAPPED AS A SERIES OF 3 POLYGONS FROM 0.3 MILE NE OF PIPELINE TO 0.9 MILE SW OF PIPELINE. ALONG DRAINAGE THROUGH NW 1/4 NE 1/4 TO SW 1/4 SW 1/4 SECTION 16.	ALKALI MEADOW/GRASSLAND. IN LOW LYING AREAS AND TRIBUTARIES OF MAIN CREEK. CLAY TO SANDY LOAM SOILS. ASSOCIATED WITH HORDEUM MARINUM SSP. GUSSONEANUM. THE RARE ATRIPLEX JOAQUINANA IS NEARBY. SITE IS ONE OF LAST FEW ALKALI SCALDS IN AREA.	Development | Grazing | Mining	GRAZING/TRAMPLING, SAND MINING (MINING OPERATION IS EXPANDING), AND DEVELOPMENT THREATEN. SITE IN BYRON PLANNING AREA.	5,000-10,000 PLANTS ESTIMATED IN 1989 IN LARGE POLYGON. 30,000 PLANTS SEEN IN 1994: 2,000 IN EACH OF SMALL POLYGONS, AND 26,000 IN LARGE POLYGON. 8,000 PLANTS SEEN IN PORTION OF LARGE POLYGON IN 1990.	PVT	1/2/2003 0:00	Byron Hot Springs (3712176)	10	618893	4189852
Astragalus tener var. tener	alkali milk-vetch	Dicots	PDFAB0F8R1	None	None	G2T1	S1	1B.2	SB_UCSC-UC Santa Cruz	49	4693	26309	20100514	20100514	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117) | Honker Bay (3812118)	10	38.09474	-121.87459	Zone-10 N4216925 E598682	T03N, R01E, Sec. 21, NW (M)	JUST NORTH OF MONTEZUMA, APPROXIMATELY 1 AIR MILE WEST OF TALBERT LANE JUNCTION WITH COLLINSVILLE ROAD.	NORTH SIDE OF DAY USE ACCESS ROAD WEST OF COLLINSVILLE ROAD; NORTH SIDE OF CORRAL. 3 POLYGONS MAPPED ACCORDING TO A 1993 MAP BY RUYGT AND A 2012 MAP BY VOLLEMAR CONSULTING IN THE NE 1/4 OF THE NW 1/4 OF SECTION 21.	ALKALINE VERNAL POOL WITH LEPIDIUM LATIPES, PSILOCARPHUS OREGANUS, MYOSURUS MINIMUS, M. SESSILIS, PLAGIOBOTHRYS, PLANTAGO, AND LASTHENIA CALIFORNICA.	Grazing	PRESENTLY USED AS CATTLE PASTURE.	650 PLANTS OBSERVED IN 1993. 25 PLANTS OBSERVED IN 2002. <1% COVER OF PLANTS OBSERVED IN SMALL WESTERNMOST POLYGON IN 2010.	PVT	7/2/2013 0:00	Antioch North (3812117)	10	598682	4216925
Downingia pusilla	dwarf downingia	Dicots	PDCAM060C0	None	None	GU	S2	2B.2		52	4990	26059	20110506	20110506	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117)	20	38.09749	-121.87096	Zone-10 N4217234 E598996	T03N, R01E, Sec. 16, S (M)	ABOUT 0.5 MILE NORTH OF MONTEZUMA AND 0.6 MILE WEST OF COLLINSVILLE ROAD, MONTEZUMA WETLANDS PROJECT.	3 POLYGONS MAPPED ACCORDING TO1993 AND 2010 MAPS. 2 NORTHERN POLYGONS ARE NATURAL POOLS. SOUTHERN POLYGON IS A CREATED POOL; UNKNOWN IF DOWNINGIA WAS SEEDED HERE OR IF PLANTS MOVED/OCCUR HERE NATURALLY.	VERNAL POOLS IN INTRODUCED GRASSLAND ASSOCIATED WITH ERYNGIUM ARISTULATUM, PSILOCARPHUS BREVISSIMUS, AND TILLEA AQUATICA. SITE IS NEARLY FLAT.	Grazing	SHEEP GRAZING.	THOUSANDS OF PLANTS OBSERVED 2 NORTHERN POLYGONS IN 1993. UNKNOWN NUMBER OF PLANTS OBSERVED IN SOUTHERN POLYGON IN 2010 AND 2011. WITHIN THE MONTEZUMA WETLANDS VERNAL POOL PRESERVE.	PVT	8/23/2013 0:00	Antioch North (3812117)	10	598996	4217234
Oenothera deltoides ssp. howellii	Antioch Dunes evening-primrose	Dicots	PDONA0C0B4	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	9	5204	26065	20110423	20110423	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	19	38.00379	-121.72921	Zone-10 N4206997 E611567	T02N, R02E, Sec. 23, SW (M)	OAKLEY LEGLESS LIZARD PRESERVE, JUST EAST OF SOUTH-TENDING BEND OF MAIN STREET/OLD HWY 4, SOUTH OF BIG BREAK.	NORTH SIDE OF RAILROAD TRACKS. ADJACENT TO EAST BAY REGIONAL PARK LAND "BIG BREAK." MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 23 ACCORDING TO 2011 BARTOSH COORDINATES.	FINE SAND, SLOPING. ASSOCIATED WITH GILIA CAPITATA SSP. STAMINEA, ERODIUM, TRIFOLIUM HIRTUM, VICIA, AND EXOTIC GRASSES.	Non-native plant impacts	THREATENED BY INVASIVE NON-NATIVE GRASSES.	12-20 PLANTS OBSERVED IN 1994, 10-30 PLANTS OBSERVED IN 1995, 1996 & 1997. 30 PLANTS IN 1998. SITE BURNED IN 1999, PLANTS PRESENT IN DECEMBER VISIT. 5 PLANTS OBSERVED IN 2011.	CITY OF OAKLEY	9/12/2013 0:00	Jersey Island (3812116)	10	611567	4206997
Downingia pusilla	dwarf downingia	Dicots	PDCAM060C0	None	None	GU	S2	2B.2		51	5209	26058	19930419	19930419	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117)	30	38.10826	-121.86798	Zone-10 N4218432 E599243	T03N, R01E, Sec. 16, NE (M)	ABOUT 1.2 MILES NNE OF MONTEZUMA AND 0.25 MILE WEST OF COLLINSVILLE ROAD, MONTEZUMA WETLANDS PROJECT.	TWO POOLS MAPPED WITHIN THE CENTER OF THE NORTH HALF OF THE NE 1/4 OF SECTION 16.	VERNAL POOLS IN WEEDY GRASSLAND. ASSOCIATED WITH ERYNGIUM ARISTULATUM, PSILOCARPHUS BREVISSIMUS, AND TILLEA AQUATICA. SITE IS NEARLY FLAT.	Grazing	SHEEP GRAZING.	THOUSANDS OF PLANTS OBSERVED IN 1993. THIS SITE WITH VERNAL POOL COMMUNITY SHOULD BE PRESERVED.	PVT-CATELLUS CORP	10/24/1995 0:00	Antioch North (3812117)	10	599243	4218432
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	98	5624	23134	19920616	19920616	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.01282	-121.61569	Zone-10 N4208142 E621519	T02N, R03E, Sec. 23, NW (M)	ISLANDS IN SAND MOUND SLOUGH, 0.7 MILE SOUTHWEST OF PIPER SLOUGH.	2 COLONIES.	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			15-20 PLANTS OBSERVED IN EACH COLONY BY FRASER AND FOGIEL IN 1992. INCLUDES FORMER OCCURRENCE #99.	UNKNOWN	9/6/2006 0:00	Bouldin Island (3812115)	10	621519	4208142
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		87	5626	23122	19920616	19920616	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115) | Jersey Island (3812116)	0	38.00735	-121.62226	Zone-10 N4207526 E620952	T02N, R03E, Sec. 23, NW (M)	ISLANDS AT THE CONFLUENCE OF SAND MOUND SLOUGH AND DUTCH SLOUGH.	5 COLONIES.	GROWING ALONG THE SHORE IN TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			SIZES OF COLONIES OBSERVED IN 1992 FROM NORTH TO SOUTH: >5 SQUARE METERS, >5 SQUARE METERS, >5 SQUARE METERS, APPROXIMATELY 3 SQUARE METERS, >5 SQUARE METERS. INCLUDES FORMER OCCURRENCE #88.	UNKNOWN	10/18/2006 0:00	Bouldin Island (3812115)	10	620952	4207526
Amsinckia grandiflora	large-flowered fiddleneck	Dicots	PDBOR01050	Endangered	Endangered	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	10	5817	25548	19920430	1997XXXX	N	X-None	Extirpated	Circular feature with a 150 meter radius (1/10 mile)	40	Unknown	Introduced Back into Native Hab./Range	Contra Costa	Tassajara (3712177)	1800	37.80971	-121.77383	Zone-10 N4185411 E607933	T01S, R02E, Sec. 32, NE (M)	LOS VAQUEROS, 3 MILES SOUTH OF ROUND VALLEY.	PAVLIK SITE KNOWN AS "LOS VAQUEROS I". MAPPED BASED ON COORDINATES PROVIDED BY PAVLIK. COORDINATES MAP TO ELEVATION OF 1400 FT INSTEAD OF GIVEN ELEVATION OF 1800 FT. POPULATION WAS INTRODUCED INTO HISTORIC HABITAT/RANGE BY PAVLIK IN 1991.	ANNUAL GRASSLAND ON MILLSHOLM LOAM. SITE DOMINATED BY AVENA FATUA, BROMUS MOLLIS, AND B. RUBENS. OTHER ASSOCIATES INCLUDE NASSELLA PULCHRA, POA SCABRELLA, DELPHINIUM PATENS, QUERCUS WISLIZENI, Q. DOUGLASII, AND UMBELLULARIA CALIFORNICA.	Grazing | Non-native plant impacts	GRAZING, COMPETITION FROM NON-NATIVE GRASSES.	374 PLANTS OBSERVED IN 1991, 9 IN 1992, 0 IN 1993, 1 IN 1994, 0 IN 1995, 0 IN 1996. SITE ACTIVELY MANAGED IN 1991-1992. SITE OBSERVED BUT NOT MANIPULATED IN 1993. SITE BELIEVED TO HAVE FAILED PER FWS REPORT.	CONTRA COSTA WATER DISTRICT	5/4/2011 0:00	Tassajara (3712177)	10	607933	4185411
Erysimum capitatum var. angustatum	Contra Costa wallflower	Dicots	PDBRA16052	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	2	5847	10639	20010414	20010414	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	10	38.01397	-121.78296	Zone-10 N4208064 E606834	T02N, R02E, Sec. 17, SW (M)	SARDIS UNIT; ANTIOCH DUNES E OF ANTIOCH, N OF WILBUR ROAD NEAR 2 PGE TOWERS. ANTIOCH DUNES NATIONAL WILDLIFE REFUGE.	SARDIS UNIT OF THE ADNWR. FOUND PRINCIPALLY ON UNEVEN SITES (RIVER-FRONTING CLIFF FACES AND EDGES) NOT MORE THAN 40 METERS INLAND FROM THE RIVER BLUFFS. MAPPED BY CNDDB TO ENCOMPASS SEVERAL MAPS FROM 1979, 1989, AND 2001.	ON STABILIZED INTERIOR DUNES OF SAND AND CLAY. MOSTLY ON STEEP NORTH-FACING AND EAST-FACING SLOPES AT EAST END OF SITE. ASSOCIATED WITH LUPINUS ALBIFRONS, BROMUS DIANDRUS, AVENA, SALSOLA PESTIFERA, LOTUS SCOPARIUS, AND GILIA CAPITATA.	Development | Non-native plant impacts | Road/trail construction/maint.	INVASIVE NON-NATIVE PLANTS, MAINTENANCE OF TRANSMISSION TOWERS & ASSOCIATED ROADS; SITE IS SURROUNDED BY DEVELOPMENT.	60 PLANTS SEEN IN 1976, 30 SEEN IN 1977, 154 SEEN IN 1978, 720 SEEN IN 1984, 671 SEEN IN 1985, IN BOTH SARDIS AND STAMM UNITS (EOS 1&2): 2275 IN 1991 & 11,567 IN 1999. SEVERAL HUNDRED IN 2001. DESIGNATED AS CRIT HABITAT BY USFWS IN 1978.	USFWS-ANTIOCH DUNES NWR	9/26/2011 0:00	Antioch North (3812117)	10	606834	4208064
Erysimum capitatum var. angustatum	Contra Costa wallflower	Dicots	PDBRA16052	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	1	5848	10596	20010407	20010407	N	C-Fair	Presumed Extant	Specific bounded area	20	Decreasing	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	20	38.01507	-121.79288	Zone-10 N4208175 E605962	T02N, R02E, Sec. 18, SE (M)	STAMM UNIT; ANTIOCH DUNES FROM EAST OF SEWAGE DISPOSAL SITE TO WITHIN 1/4 MILE OF THE WESTERN PGE TOWER.	MANY SMALL COLONIES MAPPED AS ONE LARGE MOSAIC, MOST FREQUENT ON EAST BLUFF FACE AND EDGE AND NEAR THE BASE OF TOWER 170.	IN DUNES OF FINE SAND AND CLAY. ASSOCIATED WITH CROTON CALIFORNICUS, LUPINUS ALBIFRONS, AND LOTUS SCOPARIUS.	Non-native plant impacts | Road/trail construction/maint.	FORMERLY THREATENED BY SAND MINING & DEVELOPMENT. INTRODUCED WEEDS & MAINTENANCE OF TRANS TOWERS & ASSOC. ROADS.	~80 PLANTS SEEN IN 1978 - MOSTLY ON EAST BLUFF, 98 SEEN IN 1984, 115 SEEN IN 1985, IN BOTH SARDIS AND STAMM UNITS (EOS 1&2): 2275 IN 1991 & 11,567 IN 1999. >600 IN 2001. DESIG AS CRIT HABITAT & UNDER ACTIVE MANAGEMENT BY USFWS (1978).	USFWS-ANTIOCH DUNES NWR	6/10/2003 0:00	Antioch North (3812117)	10	605962	4208175
Fritillaria liliacea	fragrant fritillary	Monocots	PMLIL0V0C0	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | USFS_S-Sensitive	41	5849	25426	19930313	19930313	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117)	25	38.10676	-121.86805	Zone-10 N4218265 E599239	T03N, R01E, Sec. 16 (M)	1 MILE NORTH OF MONTEZUMA. "MONTEZUMA WETLANDS PROJECT", COLLINSVILLE RD BETWEEN COLLINSVILLE AND BIRDS LANDING.	MAPPED AS THREE POLYGONS BETWEEN COLLINSVILLE ROAD AND THE RR TRACKS.	VALLEY GRASSLAND/CISMONTANE INTRODUCED GRASSLAND ON GRADUAL WEST SLOPES ABOVE THE WETLAND (DIKED MARSH). ASSOCIATES INCLUDE HORDEUM, ERODIUM, TRIPHYSARIA ERIANTHA, AND LOMATIUM UTRICULATUM. SOME GOOD STANDS OF NASSELLA PULCHRA.	Grazing	SITE IS USED INTERMITTENTLY AS SHEEP PASTURE.	23 PLANTS OBSERVED IN SIX COLONIES IN 1993 BY RUYGT. SITE IS WITHIN THE MONTEZUMA WETLANDS PROJECT. PROPERTY OWNED BY THE CATELLUS CORPORATION.	PVT	11/14/1996 0:00	Antioch North (3812117)	10	599239	4218265
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		44	5883	25037	20090902	20090902	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Clifton Court Forebay (3712175)	5	37.81947	-121.53963	Zone-10 N4186790 E628533	T01S, R04E, Sec. 28, N (M)	CONFLUENCE OF OLD RIVER AND GRANT LINE/FABIAN AND BELL CANAL AND EXTENDING EAST INTO GRANT LINE/FABIAN AND BELL CANAL.	MOST POPULATIONS WERE FOUND ON IN-CHANNEL ISLANDS. MAPPED BY CNDDB AS 16 POLYGONS BASED MAINLY ON A 1987 DAINS MAP AND 2010 DWR DIGITAL DATA.	FRESHWATER MARSH GROWING ON ISOLATED PATCHES OF EXPOSED MUDDY AREAS. SOME PATCHES ARE ON EXPOSED LOGS AND DOCK PILINGS.	Altered flood/tidal/hydrologic regime	BARRIER ON OLD RIVER (RELATED TO PUMPS AT CLIFTON COURT?) WOULD CAUSE SUFFICIENT TIDAL CHANGE TO IMPACT THIS POPULATION.	MANY PLANTS OBSERVED NEAR CONFLUENCE IN 1987 (NW 1/4 OF NW 1/4 OF SEC 28). NW-MOST COLONY COVERED 11 SQUARE FEET IN 1991 (SE 1/4 OF SE 1/4 OF SEC 20). VARIOUS SIZED PATCHES OBSERVED THROUGHOUT EO IN 2009. INCLUDES FORMER EO #75 AND 115.	UNKNOWN	11/30/2010 0:00	Clifton Court Forebay (3712175)	10	628533	4186790
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		24	6040	28080	19961008	19961008	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Sacramento	Jersey Island (3812116)	0	38.08763	-121.68346	Zone-10 N4216356 E615453	T03N, R03E, Sec. 19, SE (M)	SOUTH END OF TWITCHELL ISLAND; ON WATERSIDE BERM AT CONFLUENCE OF THREEMILE SLOUGH AND SAN JOAQUIN RIVER.	GROWING ALONG LEVEE FROM LEVEE STATION 622+00 TO 625+00. ON AN OLD FERRY LANDING.	SYMPHYOTRICHUM LENTUM AND LILAEOPSIS MASONII ALSO HERE.	Non-native plant impacts | Erosion/runoff	OVERGROWTH OF ARUNDO & EROSION THREATEN. RECLAMATION DISTRICT & DFG HAVE PLACED A ROCK & STUMP BERM TO STABILIZE SITE.	"MANY" PLANTS IN 1995 AND 1996.	UNKNOWN	1/13/1997 0:00	Jersey Island (3812116)	10	615453	4216356
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		142	6063	80821	20090902	20090902	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento	Jersey Island (3812116)	0	38.08755	-121.68346	Zone-10 N4216347 E615453	T03N, R03E, Sec. 19, SE (M)	SW CORNER OF TWITCHELL ISLAND, ON WATERSIDE BERM AT CONFLUENCE OF THREEMILE SLOUGH AND SAN JOAQUIN RIVER CHANNEL.	GROWING ALONG LEVEE FROM LEVEE STATION 622+00 TO 625+00.	ON AN OLD FERRY LANDING. EXPOSED MUD CLUMP IN LEVEE RIPRAP WITH LYCOPUS AND AMBROSIA PSILOSTACHYA. SYMPHYOTRICHUM LENTUM AND LIMOSELLA SUBULATA ALSO HERE.	Non-native plant impacts | Erosion/runoff	OVERGROWTH OF ARUNDO AND EROSION THREATEN. RECLAMATION DISTRICT AND DFG HAVE PLACED A ROCK AND STUMP BERM TO STABILIZE.	"MANY" PLANTS IN 1995 AND 1996. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2007. A SMALL (50 SQUARE CM) PATCH OBSERVED IN 2009.	UNKNOWN	3/12/2013 0:00	Jersey Island (3812116)	10	615453	4216347
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	1	6199	10974	19800907	19800907	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Woodward Island (3712185)	0	37.91779	-121.59375	Zone-10 N4197626 E623605	T01N, R03E, Sec. 24 (M)	ALONG INDIAN SLOUGH BETWEEN POINT OF TIMBER AND SAINT MARYS BAY.	TWO COLONIES OBSERVED, BUT SITE DESCRIPTIONS ARE TOO VAGUE TO MAP EXACTLY. MAPPED BY CNDDB AS ONE NON-SPECIFIC FEATURE.	W SITE IS INUNDATED BY WATER AND OPEN TO THE SUN. E SITE IN AN OPEN AREA AT THE WATER'S EDGE ALONG PEATLAND LEVEES WITH SCIRPUS AND TYPHA.	Erosion/runoff | Recreational use (non-ORV)	AREA HEAVILY USED BY BOATERS.	1-3 PLANTS OBSERVED IN AN AREA <1 SQ M ON ISLET ~0.5 MI EAST OF POINT OF TIMBER IN 1980. 3-5 PLANTS OBSERVED IN AN AREA <5 SQ M AT THE WEST END OF ST MARYS BAY ALONG THE NW LEVEE BANK IN 1980. INCLUDES FORMER OCCURRENCE #2.	PVT	9/12/2006 0:00	Woodward Island (3712185)	10	623605	4197626
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	4	6201	25056	20170711	20170711	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Clifton Court Forebay (3712175) | Woodward Island (3712185)	5	37.88776	-121.57499	Zone-10 N4194319 E625305	T01N, R04E, Sec. 31, E (M)	ALONG OLD RIVER, FROM ABOUT 0.6 AIR MILE NORTH TO 1.3 AIR MILES SOUTH OF THE HIGHWAY 4 BRIDGE CROSSING.	MAPPED AS 12 POLYGONS BY CNDDB BASED ON 1980, 1999 & 2005 FIELD SURVEYS, AS WELL AS 2017 DIGITAL DATA. INCLUDES FORMER OCCURRENCES #129 AND #132.	FRESHWATER TIDAL MARSH. INUNDATED PEAT SHORELINE, DISTURBED AREAS AT BASE OF RIP RAP. ASSOCIATES: LYCOPUS, JUNCUS PATENS, HYDROCOTYLE VERTICILLATA, LILAEOPSIS MASONII, SCIRPUS ACUTUS, SALIX, TYPHA, LUDWEGIA, ARUNDO, ETC.	Development | Erosion/runoff | Recreational use (non-ORV)	DEVELOPMENT, EROSION FROM WAVE ACTION, AREA HEAVILY USED BY BOATERS.	POPULATION NUMBERS ARE FOR PORTIONS OF SITE: FEWER THAN 5 PLANTS IN ~1 SQUARE METER AREA IN 1980, UNKNOWN NUMBER OBSERVED IN 1999, ~17 PLANTS IN SOUTHERN PORTION OF SITE IN 2005, 26+ PLANTS SEEN IN 2017.	PVT	1/22/2018 0:00	Woodward Island (3712185)	10	625305	4194319
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		50	6202	11050	19870912	19870912	N	U-Unknown	Presumed Extant	Specific bounded area	20	Decreasing	Natural/Native occurrence	Contra Costa | San Joaquin	Woodward Island (3712185)	10	37.90122	-121.56821	Zone-10 N4195821 E625879	T01N, R04E, Sec. 29, SW (M)	OLD RIVER, NW EDGE OF VICTORIA ISLAND.	LESS THAN 1 MILE NORTH OF PUMPING STATION AT JUNCTION OF OLD RIVER AND HWY 4.	ON CLAY ALONG SANDY BEACH BELOW RIPRAP BANKS. WITH CRASSULA AQUATICA.	Erosion/runoff	EROSION THREATENS HABITAT.	OBSERVED IN 1987. AREA IS WATER CONVEYANCE CORRIDOR FOR CLIFTON CUT.	UNKNOWN	2/24/1994 0:00	Woodward Island (3712185)	10	625879	4195821
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	3	6203	11136	20090915	20090915	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	0	37.93991	-121.53252	Zone-10 N4200163 E628948	T01N, R04E, Sec. 15, W (M)	ALONG MIDDLE RIVER FROM EMPIRE CUT TO ABOUT 1 MILE NORTHWEST OF UNION POINT.	ALSO EXTENDS WEST OF MIDDLE RIVER ALONG NORTH SIDE OF WOODWARD ISLAND. SEVERAL SMALL COLONIES SCATTERED ALONG ISLANDS AND ON LEVEES. MAPPED PRIMARILY ACCORDING TO A 1980 MAP BY PATTERSON AND 2010 DIGITAL DATA FROM DWR.	ON TULE AND BUTTONWILLOW ISLANDS. OPEN SITE INUNDATED BY WATER ASSOCIATED WITH A VARIETY OF WETLAND SPECIES INCLUDING SCIRPUS AND TYPHA. OCCURS LESS FREQUENTLY IN AREAS OF LOW DIVERSITY OR IN AREAS DOMINATED BY TULES.	Development | Non-native plant impacts | Altered flood/tidal/hydrologic regime | Other | Recreational use (non-ORV) | Waterway bank protection/maintenance	PVT DEVELOPMENT, BRIDGE REPLACEMENT, RECREATION, EXOTICS, DREDGING, LEVEE MAINTENANCE & ALTERED HYDROLOGY THREATEN.	100S OF PLANTS REPORTED ALONG ISLANDS IN MIDDLE RIVER IN 1987. SCATTERED PLANTS ON MIDDLE RIVER ISLETS REPORTED IN 1980, 2000, 2001, 2003, & 2005. >500 PLANTS OBSERVED THROUGHOUT OCCURRENCE IN 2009. INCLUDES FORMER EOS 13-15, 131, & 143.	PVT	5/12/2011 0:00	Woodward Island (3712185)	10	628948	4200163
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	43	6204	25053	20090820	20090820	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	1	37.9075	-121.51055	Zone-10 N4196598 E630936	T01N, R04E, Sec. 26, NW (M)	ISLANDS IN MIDDLE RIVER, 1.6 MILES NW OF HIGHWAY 4 BRIDGE AT UNION POINT, BETWEEN VICTORIA ISLAND AND UPPER JONES TRACT.	TWO COLONIES.	TIDAL MARSH WITH SCIRPUS, SALIX EXIGUA, TYPHA, AND PHRAGMITES.			A FEW PLANTS OBSERVED IN SW COLONY IN 1987. 20 OBSERVED IN SW COLONY AND 10 OBSERVED IN NE COLONY IN 2009.	UNKNOWN	6/15/2011 0:00	Woodward Island (3712185)	10	630936	4196598
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	44	6205	25052	20090915	20090915	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	1	37.91651	-121.51419	Zone-10 N4197592 E630600	T01N, R04E, Sec. 23, SW (M)	ISLANDS IN MIDDLE RIVER BETWEEN WOODWARD ISLAND FERRY AND WOODWARD CANAL, ABOUT 2 MILES NORTH OF HIGHWAY 4.	2 COLONIES.	EDGE OF ISLANDS WITH BLACKBERRY AND PHRAGMITES.			A FEW PLANTS OBSERVED IN 1987. 1 PLANT OBSERVED AT NORTHERN POINT AND 4 SEEN AT SOUTHERN POINT IN 2009. INCLUDES FORMER OCCURRENCE #45.	UNKNOWN	6/15/2011 0:00	Woodward Island (3712185)	10	630600	4197592
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	46	6207	25050	19871018	19871018	N	A-Excellent	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	0	37.9306	-121.53063	Zone-10 N4199133 E629131	T01N, R04E, Sec. 15 (M)	MIDDLE RIVER, NORTH SHORE OF ISLAND LOCATED 0.6 MILE SOUTH OF THE ATCHISON, TOPEKA, AND SANTA FE RAILROAD TRACKS.		AMONG PALUSTRINE EMERGENT VEGETATION. ASSOCIATED SPECIES INCLUDE COMMON TULE ISLAND VEGETATION.			EXCELLENT SITE QUALITY. A FEW PLANTS OBSERVED IN 1987.	UNKNOWN	3/2/1994 0:00	Woodward Island (3712185)	10	629131	4199133
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	18	6208	11086	20050908	20050908	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Woodward Island (3712185)	0	37.92149	-121.55687	Zone-10 N4198086 E626841	T01N, R04E, Sec. 20, NE (M)	OLD RIVER ABOUT 0.7 AIR MILE ENE OF CONFLUENCE WITH INDIAN SLOUGH.	MAPPED ALONG TWO ISLANDS IN THE RIVER AND ALONG LEVEE BANKS OF WOODWARD ISLAND ACCORDING TO A 1980 MAP BY PATTERSON AND 2005 VEGCAMP COORDINATES.	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH. ALSO ON RIVER BANK OF TIDAL MARSH JUST ABOVE THE HIGH WATER LEVEL. GROWING ON PEAT/SANDY SHORES IN ASSOCIATION WITH SALIX LASIOLEPIS, RUBUS DISCOLOR, SCHOENOPLECTUS ACUTUS, ETC.	Development | Non-native plant impacts | Recreational use (non-ORV) | Waterway bank protection/maintenance	GENERAL THREATS ARE RECREATIONAL USE, PRIVATE DEVELOPMENT, LEVEE RIPRAPPING, AND COMPETITON FROM EXOTICS.	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1980. 10 PLANTS OBSERVED ON THE SOUTHERN ISLAND IN 1989. 10-20 PLANTS OBSERVED ON THE NORTHERN ISLAND IN 1992. 0.2% COVER OF HIBISCUS OBSERVED IN <1 ACRE ON NORTHERN ISLAND IN 2005.	PVT	6/7/2011 0:00	Woodward Island (3712185)	10	626841	4198086
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	19	6209	11088	19920520	19920520	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Woodward Island (3712185)	0	37.92861	-121.55731	Zone-10 N4198875 E626789	T01N, R04E, Sec. 17 (M)	OLD RIVER ONE AIR MILE NORTHEAST OF CONFLUENCE WITH INDIAN SLOUGH.	MAPPED ALONG TWO ISLANDS BETWEEN ORWOOD TRACT AND WOODWARD ISLAND; APPROX. 850 METERS AND 1250 METERS, RESPECTIVELY, SOUTH OF THE RAILROAD TRACKS.	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH AND ALONG BANK OF RIVER MARSH JUST ABOVE THE HIGH WATER MARK.	Development | Recreational use (non-ORV) | Waterway bank protection/maintenance	GENERAL THREATS ARE RECREATIONAL USE, PRIVATE DEVELOPMENT, AND LEVEE RIPRAPPING.	10 PLANTS OBSERVED ON NORTHERN ISLAND IN 1989 BY MCCARTEN AND ROGERS. SOUTHERN ISLAND WAS COVERED FROM END TO END WITH HIBISCUS (100+ PLANTS) ACCORDING TO MCCARTEN AND FRASER IN 1992.	PVT	8/30/2006 0:00	Woodward Island (3712185)	10	626789	4198875
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	95	6211	25054	19920609	19920609	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Woodward Island (3712185)	0	37.94282	-121.60999	Zone-10 N4200382 E622136	T01N, R03E, Sec. 11 (M)	ISLAND IN UNNAMED SLOUGH JUST NORTH OF WERNER.	ON THE VERY NARROW ISLAND AND IMMEDIATELY ADJACENT TO THE EASTERN EDGE OF BIXLER TRACT.	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			10-20 PLANTS OBSERVED IN 1992 BY FRASER AND FOGIEL.	UNKNOWN	1/12/1994 0:00	Woodward Island (3712185)	10	622136	4200382
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	20	6212	11077	20100623	20100623	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Woodward Island (3712185)	0	37.94278	-121.5617	Zone-10 N4200442 E626379	T01N, R04E, Sec. 08, S (M)	OLD RIVER JUST NORTH OF MOKELUMNE AQUEDUCT, SOUTH OF FAY ISLAND, WEST OF STOCKTON.	MAPPED ON SEVERAL ISLANDS; FROM JUST SOUTH OF THE SANTA FE RAILROAD TRACKS NORTH TO THE ISLAND JUST SOUTH OF FAY ISLAND. BASED ON A 1980 PATTERSON MAP AND COORDINATES FROM THE DEPARTMENT OF WATER RESOURCES (2011).	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH. ON RIVER BANK OF TIDAL MARSH ABOVE THE HIGH WATER LEVEL AND RIPRAP LEVEE. ASSOCIATED W/ SCIRPUS ACUTUS, S. CALIFORNICA, IRIS PSEUDACORUS, TYPHA SP., CYPERUS ERAGROSTIS, AND SALIX SP.	Development | Recreational use (non-ORV) | Waterway bank protection/maintenance	THREATS INCLUDE RECREATIONAL USE, PRIVATE DEVELOPMENT, AND LEVEE RIPRAPPING.	SCATTERED PLANTS OBSERVED IN 1980. FOLLOWING POPULATION NUMBERS ARE FOR PARTS OF OCCURRENCE; 40 PLANTS OBSERVED IN 1989, 75-90 PLANTS OBSERVED IN 1992, AND 4 PLANTS OBSERVED IN 2010.	UNKNOWN	3/14/2013 0:00	Woodward Island (3712185)	10	626379	4200442
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	21	6213	11065	20070628	20070628	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Woodward Island (3712185)	0	37.95908	-121.56639	Zone-10 N4202244 E625939	T01N, R04E, Sec. 05, SW (M)	OLD RIVER, JUST NORTH OF FAY ISLAND.	MAPPED ALONG THE TWO ISLANDS (ONE LARGE, ONE SMALL) N OF FAY ISLAND. MAPPED TOWARDS THE MIDDLE OF THE SMALL ISLAND AND ALONG THE SOUTHERN SHORE OF THE LARGE ISLAND. SEVERAL OTHER SMALL POPULATIONS EXTEND FURTHER N ON BOTH SIDES OF RIVER.	TIDALLY INFLUENCED FRESHWATER MARSH ON RIVER BANK OF TIDAL MARSH JUST ABOVE THE HIGH WATER LEVEL. ASSOCIATES OF SOME POPULATIONS ARE CYNODON DACTYLON, RAPHANUS SATIVUS, AND PASPALUM URVILLEI.	Development | Non-native plant impacts | Other | Erosion/runoff | Recreational use (non-ORV) | Waterway bank protection/maintenance	GEN THREATS ARE RECREATIONAL USE, PRIVATE DEVELOPMENT, AND RIPRAPPING. ALSO BOAT TRAFFIC (EROSION), WEED ERADICATION.	20 PLANTS OBSERVED ON PORTION OF LARGE ISLAND IN 1989; 10-20 OBSERVED ON SMALL ISLAND IN 1992, 4 IN 2003. 2 PLANTS IN E-MOST POLYGON IN 2005. 1 PLANT IN N & W-MOST POLYGONS IN 2007. UNKNOWN NUMBER OF PLANTS IN 2 REMAINING POLYGONS IN 2005.	UNKNOWN, PVT	1/14/2008 0:00	Woodward Island (3712185)	10	625939	4202244
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	16	6214	11166	19870909	19870909	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	12	37.96	-121.52996	Zone-10 N4202396 E629139	T01N, R04E, Sec. 03 (M)	EAST BANK OF TULE ISLAND IN MIDDLE RIVER, HALF WAY BETWEEN EMPIRE CUT AND BACON ISLAND BRIDGE.		SEEN AMONG CORTADARIA, PHRAGMITES, SCIRPUS CALIFORNICUS AND SALIX LASIOLEPIS.			APPROXIMATELY 12 PLANTS SEEN IN 1986, 60% OF POP. FLOWERING IN AUGUST. FAIR TO POOR SITE QUALITY. MAY NOT BE TYPICAL SSP. JEPSONII; ACCORDING TO S. BRIOCH THE SPECIMENS ARE SSP. JEPSONII BUT HAVE SOME CHARACTERISTICS OF SSP. CALIFORNICA.	PVT	2/23/1994 0:00	Woodward Island (3712185)	10	629139	4202396
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	94	6217	23103	19920609	19920609	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Woodward Island (3712185)	0	37.97188	-121.5864	Zone-10 N4203637 E624160	T02N, R04E, Sec. 31 (M)	LONG ISLAND IN ROCK SLOUGH NORTH OF PALM TRACT, NE OF BRENTWOOD.	MAPPED IN THE MIDDLE OF THE ISLAND BETWEEN PALM TRACT AND HOLLAND TRACT.	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH. LILAEOPSIS MASONII ALSO AT THIS SITE.			40-50 PLANTS OBSERVED IN 1992 BY FRASER AND FOGIEL. A 1986 DAINS & KNIGHT COLLECTION FROM THE JUNCTION OF ROCK SLOUGH AND WERNER CUT IS ALSO ATTRIBUTED HERE.	UNKNOWN	3/21/2013 0:00	Woodward Island (3712185)	10	624160	4203637
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	96	6218	25055	19890812	19890812	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	0	37.97039	-121.57199	Zone-10 N4203491 E625428	T02N, R04E, Sec. 32 (M)	WEST SHORE OF BACON ISLAND ALONG OLD RIVER, ABOUT 3.5 KM (2 MI) NORTH OF THE ATCHISON TOPEKA & SANTA FE RAILROAD TRACKS.	MAPPED ACROSS FROM AND ABOUT 300 METERS SOUTH OF THE MOUTH OF ROCK SLOUGH.	ON RIVER BANK OF TIDAL MARSH JUST ABOVE THE HIGH WATER LEVEL.			5 PLANTS OBSERVED IN 1989 BY MCCARTEN AND ROGERS.	UNKNOWN	2/23/1994 0:00	Woodward Island (3712185)	10	625428	4203491
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	16	6220	11210	20090806	20090806	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	5	37.97671	-121.51342	Zone-10 N4204273 E630562	T02N, R04E, Sec. 35, W (M)	LATHAM SLOUGH; FROM CONFLUENCE WITH EMPIRE CUT TO ABOUT 0.7 MILE NORTH OF CONFLUENCE.	SCATTERED ON SMALL ISLANDS IN SLOUGH. SEVERAL SMALL COLONIES MAPPED BY CNDDB AS 11 POLYGONS ACCORDING TO 2010 DIGITAL DATA FROM THE DEPARTMENT OF WATER RESOURCES.	RIPARIAN HABITAT WITH TYPHA LATIFOLIA, SCHOENOPLECTUS ACUTUS, EICHHORNIA CRASSIPES, SALIX LASIOLEPIS, PHRAGMITES AUSTRALIS, CEPHALANTHUS OCCIDENTALIS, CORTADERIA SELLOANA, LUDWIGIA, HYDROCOTYLE, SAGITTARIA, AND CORNUS.	Development | Recreational use (non-ORV) | Waterway bank protection/maintenance	GENERAL THREATS ARE RECREATIONAL USE, PRIVATE DEVELOPMENT, AND LEVEE RIPRAPPING.	SCATTERED PLANTS OBSERVED IN 1980. 1% COVER OF HIBISCUS OBSERVED IN <1 ACRE AT SOUTHERNMOST POINT OF THE OCCURRENCE IN 2005. 36 PLANTS TOTAL OBSERVED THROUGHOUT THE OCCURRENCE IN 2009. INCLUDES FORMER OCCURRENCE #17.	PVT	5/13/2011 0:00	Woodward Island (3712185)	10	630562	4204273
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	22	6222	11030	20090721	20090721	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Woodward Island (3712185)	0	37.97826	-121.57768	Zone-10 N4204358 E624915	T02N, R04E, Sec. 31, E (M)	OLD RIVER, JUST NORTH OF CONFLUENCE WITH ROCK SLOUGH.	SEVERAL COLONIES MAPPED AS 4 POLYGONS ALONG SHORES OF 3 IN-CHANNEL ISLANDS. MAPPED ACCORDING TO A 1980 MAP BY PATTERSON AND 2010 DIGITAL DATA FROM THE DEPARTMENT OF WATER RESOURCES.	ON RIVER BANK OF TIDAL MARSH JUST ABOVE THE HIGHWATER LEVEL. ON EXPOSED MUDDY AREA. ASSOCIATED WITH IRIS POLYGONUM, SCIRPUS, TYPHA, AND HYDROCOTYLE.	Development | Recreational use (non-ORV) | Waterway bank protection/maintenance	GENERAL THREATS ARE RECREATIONAL USE, PRIVATE DEVELOPMENT, AND LEVEE RIPRAPPING.	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1980. 5 PLANTS OBSERVED ON THE NORTHWESTERN TIP OF THE NORTHERN ISLAND IN 1989. 2009: 10 PLANTS SEEN WITHIN LARGE MIDDLE POLYGON, 4 PLANTS IN SMALL MIDDLE POLYGON, AND 16 PLANTS IN SOUTHERN POLYGON.	PVT	5/19/2011 0:00	Woodward Island (3712185)	10	624915	4204358
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	23	6223	11029	20090720	20090720	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Woodward Island (3712185) | Bouldin Island (3812115)	0	37.99329	-121.57838	Zone-10 N4206024 E624828	T02N, R04E, Sec. 30, E (M)	OLD RIVER JUST WEST AND SOUTH OF RHODE ISLAND, NORTHWEST SIDE OF BACON ISLAND.	SCATTERED COLONIES MAPPED BY CNDDB AS 8 POLYGONS ALONG CHANNEL ISLANDS AND LEVEE BANKS. MAPPED PRIMARILY ACCORDING TO A 1980 MAP BY PATTERSON AND 2010 DIGITAL DATA FROM THE DEPARTMENT OF WATER RESOURCES.	ON RIVER BANK OF TIDAL MARSH JUST ABOVE THE HIGH WATER LEVEL. COASTEL & VALLEY FRESHWATER MARSH VEGETATION TYPE. DOMINATED BY CATTAILS AND TULES UP TO 4 M TALL. VEGETATION TYPE IS PATCHY IN THIS AREA; DOMINATED BY LEVEE RIPRAP.	Development | Agriculture | Road/trail construction/maint. | Recreational use (non-ORV) | Waterway bank protection/maintenance	THREATENED BY RECREATIONAL USE, PRIVATE DEVELOPMENT, LEVEE MAINTENANCE, LEVEE ROADS, AND FARMING ACTIVITIES.	100+ PLANTS SEEN ON THE E SHORE OF THE SECOND ISLAND S OF RHODE ISLAND IN 1989, 6 PLANTS PLUS MORE SCATTERED POPULATIONS TO THE SOUTH ON SAME ISLAND IN 2009. 1 PLANT IN SE POLY IN 2008. 1 PLANT IN NW POLY IN 2009. INCLUDES FORMER EO #34.	PVT, DFG	5/16/2011 0:00	Woodward Island (3712185)	10	624828	4206024
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		103	6225	23101	19920616	19920616	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Woodward Island (3712185)	0	37.99862	-121.62309	Zone-10 N4206556 E620893	T02N, R03E, Sec. 22, SE (M)	ISLAND IN SAND MOUND SLOUGH, 2.2 KM (1.5 MI) NORTH OF ROCK SLOUGH.	ON THE SHORE OF THE SOUTHERNMOST ISLAND FOUND AT THE CONFLUENCE WITH DUTCH SLOUGH. NEAR THE COMMON CORNER OF SECTIONS 22, 23, 26, AND 27.	GROWING IN TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			TOTAL AREA OF POPULATION >5 SQUARE METERS IN 1992.	UNKNOWN	5/10/1993 0:00	Woodward Island (3712185)	10	620893	4206556
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	93	6226	23101	19920616	19920616	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Woodward Island (3712185)	0	37.99862	-121.62309	Zone-10 N4206556 E620893	T02N, R03E, Sec. 22 (M)	ISLAND IN SANDMOUND SLOUGH, 2.2 KM (1.5 MI) NORTH OF ROCK SLOUGH.		TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			5-10 PLANTS OBSERVED IN 1992 BY FRASER AND FOGIEL.	UNKNOWN	1/12/1994 0:00	Woodward Island (3712185)	10	620893	4206556
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		19	6297	81006	19920617	19920617	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.0129	-121.66361	Zone-10 N4208089 E617313	T02N, R03E, Sec. 17, SE (M)	ISLAND IN DUTCH SLOUGH WEST OF JERSEY ISLAND ROAD, NEAR THE POWERLINES.		GROWING ALONG THE SHORE OF TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			TOTAL AREA OF POPULATION IS APPROX. 3 SQUARE METERS. LILAEOPSIS MASONII AND HIBISCUS LASIOCARPUS ARE ON THIS SAME ISLAND.	UNKNOWN	12/7/2010 0:00	Jersey Island (3812116)	10	617313	4208089
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		99	6298	23116	20090918	20090918	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.01283	-121.66459	Zone-10 N4208080 E617227	T02N, R03E, Sec. 17, SE (M)	ISLAND IN DUTCH SLOUGH WEST OF JERSEY ISLAND ROAD.	MAPPED BY CNDDB BASED ON A 1992 FRASER AND FOGIEL MAP; AERIAL IMAGERY SHOWS THAT ISLAND EXTENDS FURTHER TO THE WEST THAN IS SHOWN ON TOPO.	GROWING IN TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			TOTAL AREA OF APPROXIMATELY 3 SQUARE METERS OBSERVED IN 1992; LIMOSELLA SUBULATA IS ALSO MAPPED AT THIS SITE.	UNKNOWN	11/24/2010 0:00	Jersey Island (3812116)	10	617227	4208080
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	105	6299	81007	19920617	19920617	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.01264	-121.66317	Zone-10 N4208061 E617352	T02N, R03E, Sec. 17, SE (M)	ISLAND IN DUTCH SLOUGH WEST OF JERSEY ISLAND ROAD AND NEAR THE POWERLINES.		TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			25-50 PLANTS OBSERVED BY FRASER AND FOGIEL IN 1992.	UNKNOWN	12/7/2010 0:00	Jersey Island (3812116)	10	617352	4208061
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	33	6325	11121	20090807	20090807	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	0	38.00836	-121.54827	Zone-10 N4207737 E627446	T02N, R04E, Sec. 21, N (M)	CONNECTION SLOUGH AT CONFLUENCE WITH YOUNGS SLOUGH, NORTH END OF BACON ISLAND.	5 POLYGONS MAPPED BY CNDDB ON IN-CHANNEL ISLANDS ACCORDING TO A 1980 MAP BY PATTERSON AND 2010 DIGITAL DATA FROM THE DEPARTMENT OF WATER RESOURCES.	TIDAL MARSH NEAR WATER'S EDGE. ASSOCIATED WITH SCIRPUS, TYPHA, LUDWIGIA, AND HYDROCOTYLE.	Development | Recreational use (non-ORV) | Waterway bank protection/maintenance	GENERAL THREATS INCLUDE RECREATIONAL USE, DEVELOPMENT, AND LEVEE RIPRAPPING.	SCATTERED PLANTS OBSERVED IN WESTERN AND SOUTHERN POLYGON IN 1980. 2009: 3 CLUMPS SEEN IN WESTERN POLYGON, ~5 CLUMPS IN EASTERN POLYGON, 1 CLUMP IN NORTHERN POLYGON, AND 4 CLUMPS IN CENTER POLYGON.	PVT	6/7/2011 0:00	Bouldin Island (3812115)	10	627446	4207737
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	32	6326	11085	20090720	20090720	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	0	38.00671	-121.56058	Zone-10 N4207537 E626368	T02N, R04E, Sec. 20, NE (M)	SMALL ISLAND JUST SOUTHEAST OF LITTLE MANDEVILLE ISLAND, ABOUT 0.6 AIR MILE NORTHEAST OF RHODE ISLAND.	TWO COLONIES MAPPED ON THE NORTHWEST AND SOUTHEAST SIDES OF THE ISLAND ACCORDING TO A 1980 MAP BY PATTERSON AND 2010 DIGITAL DATA FROM THE DEPARTMENT OF WATER RESOURCES.	AMONG TULE MARSH AND WILLOWS, ON SANDY OR PEATY SHORES. ASSOCIATED WITH POLYGONUM, VERBENA, AND SCIRPUS.	Development | Recreational use (non-ORV) | Waterway bank protection/maintenance	GENERAL THREATS INCLUDE LEVEE RIPRAPPING, POSSIBLE DEVELOPMENT, AND RECREATIONAL USE.	UNKNOWN NUMBER OF PLANTS OBSERVED AT THE SOUTHERN COLONY IN 1980. A SINGLE CLUMP OBSERVED AT THE NORTHERN COLONY IN 2009.	UNKNOWN	6/7/2011 0:00	Bouldin Island (3812115)	10	626368	4207537
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	59	6328	11024	19890812	19890812	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa | San Joaquin	Bouldin Island (3812115)	0	38.00559	-121.5797	Zone-10 N4207387 E624692	T02N, R04E, Sec. 19 (M)	HOLLAND CUT AT THE SOUTHERN END OF QUIMBY ISLAND.	MAPPED ALONG THE LITTLE ISLAND SOUTHWEST OF LITTLE MANDEVILLE ISLAND.	ON RIVER BANK OF TIDAL MARSH JUST ABOVE THE HIGH WATER LEVEL. ON PERIPHERY OF TULE ISLAND.			ONE PLANT SEEN IN 1975. 5 PLANTS OBSERVED IN 1989.	PVT	2/4/1994 0:00	Bouldin Island (3812115)	10	624692	4207387
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	100	6330	24910	19920616	19920616	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.00507	-121.62323	Zone-10 N4207271 E620870	T02N, R03E, Sec. 22, E (M)	ISLANDS IN SAND MOUND SLOUGH, 1.3 AIR MILES SOUTHWEST OF PIPER SLOUGH.	2 COLONIES ON ISLANDS NEAR THE CONFLUENCE OF DUTCH AND SAND MOUND SLOUGHS.	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			200-400 PLANTS OBSERVED IN NORTHERN COLONY AND 250 PLANTS OBSERVED IN SOUTHERN COLONY IN 1992. INCLUDES FORMER OCCURRENCE #101.	UNKNOWN	9/6/2006 0:00	Bouldin Island (3812115)	10	620870	4207271
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	60	6332	11019	20090721	20090721	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.01717	-121.58108	Zone-10 N4208670 E624551	T02N, R04E, Sec. 18, SE (M)	HOLLAND CUT, ABOUT 1.4 AIR MILES EAST OF EASTERNMOST EDGE OF BETHEL ISLAND.	MAPPED ALONG ISLAND BETWEEN HOLLAND CUT AND SHEEP SLOUGH; ON SOUTHERN TIP AND EASTERN EDGE OF ISLAND APPROX. 700 METERS NORTH OF THE SOUTHWESTERN TIP OF QUIMBY ISLAND. THREE COLONIES MAPPED BY CNDDB AS TWO POLYGONS.	ON RIVER BANK OF TIDAL MARSH JUST ABOVE THE HIGH WATER LEVEL. GROWING ON PEAT ISLAND WITH TYPHA, SCIRPUS, AND PHRAGMITES.	Mining | Erosion/runoff	SITE COULD POTENTIALLY BE DAMAGED BY WAVE EROSION OR PEAT MINING.	SOUTHERN POLYGON: SINGLE PLANT OBSERVED IN 1975 AND IN 1987, 10 PLANTS OBSERVED IN 1989, AND 2 PLANTS OBSERVED IN 2009. SINGLE PLANT OBSERVED IN NORTHERN COLONY IN 2009.	PVT	6/7/2011 0:00	Bouldin Island (3812115)	10	624551	4208670
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	102	6334	24908	19920724	19920724	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.0241	-121.59789	Zone-10 N4209417 E623063	T02N, R03E, Sec. 13 (M)	ISLAND IN SANDMOUND SLOUGH, 1 KM (0.6 MI) NORTHEAST OF PIPER SLOUGH.	ALONG THE SOUTHERN SHORE OF THE ISLAND.	TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			5-10 PLANTS OBSERVED IN 1992.	UNKNOWN	1/2/1996 0:00	Bouldin Island (3812115)	10	623063	4209417
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	85	6335	10962	19870817	19870817	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	7	38.05867	-121.61177	Zone-10 N4213234 E621788	T03N, R03E, Sec. 35 (M)	SOUTH SHORE OF LARGE ISLAND IN FALSE RIVER, NORTH END OF FRANKS TRACT.		ON EDGE OF ISLAND.			1 PLANT FOUND IN 1987. SITE MIGHT BE PART OF PRIVATE DUCK CLUB. GOOD SITE QUALITY; THIS IS THE LARGEST, SEMI-NATURAL ISLAND IN THE VICINITY.	PVT?	2/4/1994 0:00	Bouldin Island (3812115)	10	621788	4213234
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	103	6336	24972	19940322	19940322	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	0	38.11972	-121.53673	Zone-10 N4220109 E628265	T03N, R04E, Sec. 10 (M)	BERM ISLAND IN SOUTH MOKELUMNE RIVER; AT SOUTH END OF STATEN ISLAND.	PLANTS LOCATED ON THE SOUTHERN SHORE OF THE ISLAND, AT EAST END OF BERM.	ALONG THE WATER LINE OF ISLAND IN DENSE FOLIAGE WITH SALIX, NICOTIANA, SCIRPUS, TYPHA, POLYGONUM, ETC. SOIL APPEARS TO BE PEAT OR PEAT/CLAY.	Erosion/runoff | Recreational use (non-ORV)	EROSION FROM BOAT WAKES, TIDAL ACTION, WIND WAVES, AND HIGH FLOWS.	2 PLANTS IN 1992 AND 1994.	PVT	3/23/1995 0:00	Bouldin Island (3812115)	10	628265	4220109
Madia radiata	showy golden madia	Dicots	PDAST650E0	None	None	G3	S3	1B.1	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_SBBG-Santa Barbara Botanic Garden	27	6396	24821	19380409	19380409	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187) | Clayton (3712188)		37.96754	-121.8634	Zone-10 N4202823 E599835	T01N, R01E, Sec. 04 (M)	3 MILES SOUTHWEST OF ANTIOCH.	MAPPED BY CNDDB AS BEST GUESS ABOUT 3 RD MI SW OF ANTIOCH ALONG SOMERSVILLE RD. VAGUE LATE 1800S AND EARLY 1900S COLLECTIONS FROM "NEAR ANTIOCH" ALSO ATTRIBUTED TO THIS SITE.	GROWING ON EDGE OF A CULTIVATED GRAIN FIELD IN ADOBE SOIL.			PROBABLE TYPE LOCALITY ("MOUTH OF SAN JOAQUIN RIVER"). SITE BASED MAINLY ON A 1938 HELLER COLLECTION. NEEDS FIELDWORK.	UNKNOWN	12/12/2017 0:00	Antioch South (3712187)	10	599835	4202823
Chloropyron molle ssp. molle	soft salty bird's-beak	Dicots	PDSCR0J0D2	Endangered	Rare	G2T1	S1	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	18	6420	24895	1972XXXX	19931006	N	X-None	Possibly Extirpated	Circular feature with a 300 meter radius (1/5 mile)	50	Unknown	Natural/Native occurrence	Sacramento	Jersey Island (3812116) | Antioch North (3812117)	10	38.0296	-121.75083	Zone-10 N4209835 E609631	T02N, R02E, Sec. 10 (M)	ANTIOCH BRIDGE.	SOURCE DOCUMENT LISTS LOCATION AS JUST WEST OF ANTIOCH BRIDGE, SACRAMENTO COUNTY. POPULATION MAPPED ON NORTH BANK OF THE RIVER NEAR THE BRIDGE.				ACCORDING TO RUYGT, 1993, THIS POPULATION WAS ORIGINALLY REPORTED IN 1972 BUT NOW MAY BE EXTIRPATED.	UNKNOWN	1/14/1994 0:00	Jersey Island (3812116)	10	609631	4209835
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	20	6421	10481	19850424	19850424	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	5	38.024	-121.83477	Zone-10 N4209118 E602272	T02N, R01E, Sec. 14 (M)	APPROXIMATELY 0.5 MI WEST OF ANTIOCH POINT, ALONG THE SOUTH SIDE OF SAN JOAQUIN RIVER BETWEEN PITTSBURG AND ANTIOCH.		AREA IS TRANSITIONAL BETWEEN FRESHWATER MARSHES OF THE DELTA AND SALT MARSHES OF SAN PABLO BAY. SYMPHYOTRICHUM LENTUM, LILAEOPSIS MASONII, AND SALT MARSH HARVEST MOUSE OCCUR NEARBY.			LOCATION IS ONLY SPECIFIC INFORMATION GIVEN. ECOLOGICAL INFORMATION IS NEEDED FOR THIS SITE.	PVT	1/14/1994 0:00	Antioch North (3812117)	10	602272	4209118
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		24	6422	66795	20160720	20160720	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	0	38.0284	-121.84937	Zone-10 N4209591 E600985	T02N, R01E, Sec. 10, SE (M)	SOUTHWEST END OF WINTER ISLAND, 0.3 AIR MILE ENE OF PITTSBURG POINT.	MAPPED AS 2 POLYGONS. NE POLYGON BASED ON A 1984 MESSICK MAP. SW POLYGON BASED ON 2016 HUNTER COORDINATES.	IN WAVE-WASHED ZONE ON LOWER SLOPE IN OPEN SATURATED BEACH SAND. ASSOCIATED WITH HYDROCOTYLE VERTICILLATA, PHRAGMITES COMMUNIS, LEPIDIUM LATIFOLIA, SENECIO HYDROPHYLLUS, SCIRPUS CALIFORNICUS, ERYNGIUM ARTICULATUM, AND AGROSTIS SP.	Other	IN 1984, THE ARMY CORPS OF ENGINEERS PLANNED TO DUMP DREDGED SAND ACROSS THE LEVEE.	NE POLYGON: FEWER THAN 1000 PLANTS OBSERVED IN 1984, MANY SMALL POPULATIONS RANGING IN SIZE FROM 3 TO 10 SQUARE METERS IN 1990. SW POLYGON: 5 SMALL PATCHES (~37 SQ FEET OF PLANTS) OBSERVED IN 2016.	PVT	6/17/2020 0:00	Antioch North (3812117)	10	600985	4209591
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	48	6424	10438	20160720	20160720	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	5	38.0315	-121.84868	Zone-10 N4209936 E601041	T02N, R01E, Sec. 10, SE (M)	SOUTHWEST END OF WINTER ISLAND AND AT DOW CHEMICAL PLANT, BOTH SIDES OF NEW YORK SLOUGH JUST EAST OF PITTSBURG POINT.	2 POLYGONS MAPPED BY CNDDB. NORTHERN POLYGON IS BASED ON A 1991 GOLDEN MAP. SOUTHERN POLYGON IS BASED ON 2016 HUNTER COORDINATES.	STEEP RIPRAP/RUBBLE SHORELINE ALONG SLOUGH. SEDIMENT DEPOSITS IN THE INTERSTICES OF RIPRAP/RUBBLE SUPPORT PATCHES OF VEGETATION. DOMINANT SPECIES INCLUDE JUNCUS BALTICUS, CORTADERIA SP., PHRAGMITES AUSTRALIS.		NONE IDENTIFIED.	NORTHERN POLYGON: OBSERVED IN 1990 DURING LILAEOPSIS MASONII SURVEY. SOUTHERN POLYGON: 23 PLANTS OBSERVED IN 2016 OVER 5 PATCHES RANGING IN SIZE FROM 1 SQ FT TO 25 SQ FT.	PVT	12/27/2018 0:00	Antioch North (3812117)	10	601041	4209936
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		21	6425	66794	1999XXXX	1999XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117) | Honker Bay (3812118)	0	38.035	-121.8724	Zone-10 N4210298 E598954	T02N, R01E, Sec. 09 (M)	ALONG SHORES OF BROWNS ISLAND AND ON THE PITTSBURG MARINA BREAKWATER.		AT THE WATERS EDGE IN MOIST AREAS WITH FIRM SUBSTRATUM INCLUDING PILINGS AND PEAT HUMMOCKS. ASSOCIATED VEGETATION INCLUDES TULES AND RUSHES. ANOTHER RARE PLANT: LATHYRUS JEPSONII JEPSONII ALSO OCCURS HERE; BUT IT EXISTS THROUGHOUT ISLAND.	Waterway bank protection/maintenance	BREAKWATER MAINTENANCE IS A THREAT TO THE POPULATION ON THE BREAKWATER.	THOUSANDS OF PLANTS OBSERVED IN 1978 AROUND THE ENTIRE PERIMETER OF THE ISLAND. ALSO OBSERVED ON THE ISLAND IN 1977, 1979, 1991, AND 1995. ~1000 SEEN AT THE MARINA BREAKWATER IN 1990. PRESUMABLY SEEN IN 1999. INCLUDES FORMER OCCURRENCE #67.	UNKNOWN	12/1/2010 0:00	Antioch North (3812117)	10	598954	4210298
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	1	6426	82844	19950625	19950625	N	B-Good	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117) | Honker Bay (3812118)	1	38.03912	-121.86565	Zone-10 N4210763 E599541	T02N, R01E, Sec. 09 (M)	BROWNS ISLAND, SOUTHWESTERN WINTER ISLAND, AND THE PITTSBURG MARINA BREAKWATER, PITTSBURG.	MAPPED BY CNDDB NON-SPECIFICALLY ACROSS ALL OF BROWNS ISLAND, WHERE PLANTS WERE FOUND "THROUGOUT THE ISLAND," ACROSS THE PITTSBURG MARINA BREAKWATER, AND AT 3 LOCATIONS ON THE EDGE OF WINTER ISLAND WHERE SPECIFIC LOCATIONS WERE PROVIDED.	ASSOCIATED WITH TYPHA, SYMPHYOTRICHUM LENTUM, ROSA CALIFORNICA, JUNCUS, BACCHARIS DOUGLASII, RUBUS PROCERA, SCIRPUS ACUTUS, LEPIDIUM LATIFOLIUM, RUMEX, CHRYSOPSIS, AND BIDENS.	Waterway bank protection/maintenance	BREAKWATER AND LEVEE MAINTENANCE.	A PROFUSION OF PLANTS REPORTED MULTIPLE TIMES ON BROWNS ISLAND. THE OTHER COLONIES ARE SMALL, WITH APPROX 10 PLANTS ON MARINA BREAKWATER IN 1990 AND A FEW PLANTS ON WINTER ISLAND IN 1984 & 1994. INCLUDES FORMER OCCURRENCES #2, 36, AND 65.	EBRPD, UNKNOWN	6/25/2013 0:00	Antioch North (3812117)	10	599541	4210763
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	21	6430	10361	19941005	19941005	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117) | Honker Bay (3812118)	1	38.08053	-121.88589	Zone-10 N4215336 E597709	T03N, R01E, Sec. 29 (M)	ALONG SOUTH END OF MONTEZUMA SLOUGH AND ALONG THE EASTERN SHORE OF VAN SICKLE ISLAND, 2 TO 5 MILES NORTH OF PITTSBURG.	MAPPED BY CNDDB AS 20 POLYGONS ALONG BOTH SHORES OF MONTEZUMA SLOUGH AND ALONG SUISUN BAY IN THE SE CORNER OF VAN SICKLE ISLAND.	RIPRAPPED LEVEES ALONG WATERWAYS. ASSOCIATED WITH SYMPHYOTRICHUM LENTUM, ROSA CALIFORNICA, AND LEPIDIUM LATIFOLIUM.	Waterway bank protection/maintenance	LEVEE CONSTRUCTION AND MAINTENANCE.	POPULATION NUMBERS UNKNOWN, BUT IT APPEARS THAT THE PLANTS WERE TYPICALLY FOUND IN PATCHES WITH ONLY A FEW PLANTS PER LOCATION IN 1986 TO 1994. INCLUDES FORMER OCCURRENCES #34, 35, AND 68.	PVT, DFG-GRIZZLY ISLAND WA	6/14/2011 0:00	Honker Bay (3812118)	10	597709	4215336
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	31	6431	24894	19900726	19900726	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento | Solano	Antioch North (3812117)	1	38.07465	-121.83712	Zone-10 N4214736 E601995	T03N, R01E, Sec. 26, SW (M)	NORTH SIDE OF SACRAMENTO RIVER AT MONTEZUMA ISLAND, EAST OF COLLINSVILLE, SW OF MONTEZUMA HILLS.	MAPPED BY CNDDB AS 3 POLYGONS. WESTERN POLYGON IS ALONG THE SW SIDE OF MONTEZUMA ISLAND. TWO EASTERN POLYGONS ARE ON SHORE ACROSS CHANNEL JUST NE OF THE ISLAND.	ASSOCIATED WITH ALNUS, SALIX LAEVIGATA, RUBUS, POLYGONUM HYDROPIPEROIDES, TYPHA, GRINDELIA, PLANTAGO LANCEOLATA, POTENTILLA, RUMEX CRISPUS, LYTHRUM CALIFORNICUM, PASPALUM DILATATUM, TRIFOLIUM, ROSA CALIFORNICA.			UNKNOWN NUMBER OF PLANTS OBSERVED AT THESE SITES DURING LILAEOPSIS MASONII SURVEY IN 1990. INCLUDES FORMER OCCURRENCES #32 & 33.	PVT	6/16/2011 0:00	Antioch North (3812117)	10	601995	4214736
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		2	6432	66651	20070827	20070827	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento | Solano	Antioch North (3812117)	5	38.07453	-121.84917	Zone-10 N4214710 E600938	T03N, R01E, Sec. 27 (M)	VICINITY OF MARSHALL CUT, MONTEZUMA ISLAND, CHAIN ISLANDS AND SHORELINE SE AND SW OF COLLINSVILLE, NE OF PITTSBURG.	MAPPED BY CNDDB AS 11 POLYGONS TO ENCOMPASS VARIOUS SOURCES OF INFORMATION.	GROWING ON MUDFLATS ALONG EDGE OF RIVER IN ASSOCIATION WITH SCIRPUS, LYCOPUS, HYDROCOTYLE, LIMOSELLA SUBULATA, JUNCUS, ELEOCHARIS, AGROSTIS, HELENIUM, LYTHRUM, RUMEX, ERYNGIUM, SALIX, TYPHA, PLANTAGO, PASPALUM, SETARIA, AND EQUISTEUM.	Other | Waterway bank protection/maintenance	PORTION THREATENED BY LEVEE WORK, RIPRAP, & DAMAGE DUE TO LOADING SITE/PUMPING STATION FOR WETLANDS RESTORATION PROJECT.	MANY SMALL POPULATIONS REPORTED HERE IN 1990 BY GOLDEN AND ZEBELL AND IN 1992 BY DWR. 30 SQ FT OF PLANTS OBSERVED NEAR "TIDE GAUGE" IN 1991. UNKNOWN NUMBER OBSERVED IN PORTIONS OF SITE IN 2005 & 2007. INCLUDES FORMER OCCS #3, 4, 5, 15, 61.	PVT	7/19/2016 0:00	Antioch North (3812117)	10	600938	4214710
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		2	6433	22568	19800809	19800809	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117)	0	38.07547	-121.83673	Zone-10 N4214827 E602028	T03N, R01E, Sec. 26, NW (M)	EAST OF COLLINSVILLE RESORT, ALONG THE LEVEE ON THE SACRAMENTO RIVER, A COUPLE HUNDRED YARDS EAST OF THE TRAILER COURT.	MAPPED BETWEEN THE TWO SLOUGHS EAST OF COLLINSVILLE. NEAR END OF PAVED FORK OF STRATTON ROAD.	SHORELINE IN ZONE OF TIDAL ACTION. FORMING A LOW TURF WITH HYDROCOTYLE VERTICILLATA VAR. TRIRADIATA. ASSOCIATED WITH LILAEOPSIS MASONII, SCIRPUS, AND LYCOPUS.			MAPPED WITH LILAEOPSIS MASONII AND ASTER CHILENSIS VAR. LENTUS.	PVT	5/11/1993 0:00	Antioch North (3812117)	10	602028	4214827
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		9	6439	21603	19910510	19910510	N	A-Excellent	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117) | Honker Bay (3812118)	0	38.07315	-121.87687	Zone-10 N4214526 E598511	T03N, R01E, Sec. 28, SW (M)	ALONG MONTEZUMA SLOUGH, APPROX. 0.45 MILE SOUTHEAST OF DUTTON.		ESTUARINE SALT MARSH; INTERTIDAL BANK WITH LILAEOPSIS MASONII, SCIRPUS KOLIOLEPIS AND HYDROCOTYLE VERTICILLATA. OTHER DOMINANT ASSOCIATES INCLUDE SCIRPUS ACUTUS, DESCHAMPSIA CESPITOSA BERINGENSIS, HELENIUM BIGELOVII.	Grazing | Altered flood/tidal/hydrologic regime | Foot traffic/trampling | Recreational use (non-ORV)	GRAZING ADJACENT LAND, FISHING ALONG RIVER, STREAM BANK ALTERATION FOR WETLANDS RESTORATION PROJECT.	OWNED BY CATELLUS CORPORATION.	PVT	5/17/2011 0:00	Honker Bay (3812118)	10	598511	4214526
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	40	6440	21603	19910908	19910908	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117) | Honker Bay (3812118)	5	38.07315	-121.87687	Zone-10 N4214526 E598511	T03N, R01E, Sec. 28, SW (M)	APPROXIMATELY 1/2 MILE SOUTHEAST OF DUTTON, ON NORTH BANK OF MONTEZUMA SLOUGH.		RIPARIAN SALT MARSH (?) ALONG BANK OF LEVEE; ASSOCIATES INCLUDE SALIX LASIOLEPIS, OENANTHE SARMENTOSA, AND SCIRPUS ACUTUS IN PARTIAL SHADE OR FULL SUN.	Waterway bank protection/maintenance	LEVEE MAINTENANCE.	3 PLANTS SEEN IN 1991. TWO OTHER SENSITIVE PLANTS ALSO SEEN, LATHYRUS JEPSONII SSP. JEPSONII AND LILAEOPSIS MASONII. OWNED BY CATELLUS CORP.	PVT	12/23/1993 0:00	Honker Bay (3812118)	10	598511	4214526
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		85	6442	23126	19920617	19920617	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.08955	-121.57762	Zone-10 N4216706 E624732	T03N, R04E, Sec. 19, SE (M)	EAST OF WEBB TRACT, 0.3 KM (0.2 MI) SSE OF WEBB POINT ON ISLAND IN SAN JOAQUIN RIVER.		GROWING ALONG THE SHORE IN TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			TOTAL AREA OF POPULATION >5 SQUARE METERS IN 1992. LIMOSELLA SUBULATA IS ALSO MAPPED HERE.	UNKNOWN	6/1/1993 0:00	Bouldin Island (3812115)	10	624732	4216706
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		10	6443	23126	19920724	19920724	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.08955	-121.57762	Zone-10 N4216706 E624732	T03N, R04E, Sec. 19, SE (M)	EAST OF WEBB TRACT, 0.3 KM (0.2 MI) SSE OF WEBB POINT ON ISLAND IN SAN JOAQUIN RIVER.		GROWING ON SHORE IN TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			TOTAL AREA OF POPULATION >5 SQUARE METERS IN 1992. LILAEOPSIS MASONII IS ALSO MAPPED AT THIS LOCATION.	UNKNOWN	5/10/1993 0:00	Bouldin Island (3812115)	10	624732	4216706
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	40	6444	23126	19920617	19920617	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	5	38.08955	-121.57762	Zone-10 N4216706 E624732	T03N, R04E, Sec. 19 (M)	ISLAND ALONG EAST SHORE OF WEBB TRACT, SOUTH OF WEBB POINT IN THE SAN JOAQUIN RIVER.		TIDALLY INFLUENCED COASTAL AND VALLEY FRESHWATER MARSH.			20-30 PLANTS OBSERVED IN 1992.	UNKNOWN	12/20/1993 0:00	Bouldin Island (3812115)	10	624732	4216706
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	39	6445	24887	20120616	20120616	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento	Bouldin Island (3812115)	5	38.10184	-121.57764	Zone-10 N4218070 E624709	T03N, R04E, Sec. 18, SE (M)	SOUTHEASTERN TIP OF ANDRUS ISLAND, ALONG SAN JOAQUIN RIVER FROM 0.3 TO 0.9 MILE FROM TIP OF ISLAND.	SOUTHERN SIDE OF ISLAND ALONG LEVEE. 2 POLYGONS MAPPED ACCORDING TO A 1991 MAP BY KANG AND 2012 COORDINATES FROM SLAKEY. PLANTS IN E POLY ARE GROWING ABOUT 4 FT SOUTH OF THE ROAD AND 10 FT NORTH OF THE HIGH TIDE MARK, LOCALIZED TO ~2M OVAL.	GROWING ON RIPRAP OF UPPER PORTION OF LEVEE, 3-5 FEET FROM CROWN. ASSOCIATED WITH RAPHANUS SATIVUS, R. RAPHANISTRUM, CAREX, RUBUS, AND CYPERUS ERAGROSTIS.	Biocides | Waterway bank protection/maintenance	HERBICIDE SPRAYING AND OTHER LEVEE MAINTENANCE ACTIVITIES ARE THREATS.	WESTERN POLYGON: APPROXIMATELY 30 "CLUMPS" OBSERVED BETWEEN THIS SITE AND OCCURRENCE #38 IN 1991. EASTERN POLYGON: ~25 PLANTS OBSERVED IN 2012.	BRANNAN-ANDRUS LEVEE MAINT DIS	6/27/2013 0:00	Bouldin Island (3812115)	10	624709	4218070
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	38	6446	24886	19911004	19911004	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento | San Joaquin	Bouldin Island (3812115)	5	38.11096	-121.5819	Zone-10 N4219076 E624320	T03N, R04E, Sec. 18 (M)	SOUTHEASTERN TIP OF ANDRUS ISLAND, ALONG MOKULUMNE RIVER NEAR RIVER MILE 2.	NORTH SIDE OF THE ISLAND ALONG THE LEVEE.	GROWING ON RIPRAP OF UPPER PORTION OF LEVEE, 3-5 FEET FROM CROWN. ASSOCIATED WITH RAPHANUS SATIVA, CAREX, RUBUS, AND CYPERUS ERAGROSTIS.	Biocides | Waterway bank protection/maintenance	HERBICIDE SPRAYING AND OTHER LEVEE MAINTENANCE ACTIVITIES ARE THREATS.	APPROXIMATELY 30 "CLUMPS" OBSERVED AT THIS SITE AND OCCURRENCE #39 IN 1991.	BRANNAN-ANDRUS LEVEE MAINT DIS	12/20/1993 0:00	Bouldin Island (3812115)	10	624320	4219076
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	36	6722	24878	19910706	19910706	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117)	5	38.09075	-121.87193	Zone-10 N4216485 E598920	T03N, R01E, Sec. 21, NW (M)	MONTEZUMA, APPROXIMATELY 2.5 KM (1.5 MI) NORTHWEST OF COLLINSVILLE.	MAPPED NORTH OF THE ROAD AND EAST OF THE RR SPUR INTO MONTEZUMA.	COASTAL PRAIRIE, ALKALINE-SALINE FLAT, TRAMPLED PASTURE. ASSOCIATED WITH PLAGIOBOTHRYS STIPITATUS, CRESSA TRUXILLENSIS, FRANKENIA GRANDIFOLIA, SIDA HEDERACEA, AND HORDEUM GENICULATUM. LEPIDIUM LATIPES (VAR. HECKARDII?) ALSO OCCURS HERE.	Grazing	GRAZING.	APPROXIMATELY 100 PLANTS OBSERVED IN 1991. WITHIN THE PROPOSED MONTEZUMA WETLAND RESTORATION PROJECT.	PVT	12/10/1993 0:00	Antioch North (3812117)	10	598920	4216485
Madia radiata	showy golden madia	Dicots	PDAST650E0	None	None	G3	S3	1B.1	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_SBBG-Santa Barbara Botanic Garden	25	6753	24798	19410412	19410412	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	250	37.95058	-121.77754	Zone-10 N4201036 E607402	T01N, R02E, Sec. 08 (M)	VICINITY OF LONE TREE VALLEY.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS IN VICINITY OF LONE TREE VALLEY. A 1941 HOOVER COLLECTION FROM "1 MI N OF LONE TREE VALLEY" ALSO ATTRIBUTED TO THIS SITE.				MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 1938 HOOVER COLLECTION FROM "LONE TREE VALLEY". NEEDS FIELDWORK. INCLUDES FORMER EO #26.	UNKNOWN	5/14/2009 0:00	Antioch South (3712187)	10	607402	4201036
Astragalus tener var. tener	alkali milk-vetch	Dicots	PDFAB0F8R1	None	None	G2T1	S1	1B.2	SB_UCSC-UC Santa Cruz	9	6897	24685	19890328	20020325	N	X-None	Possibly Extirpated	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175) | Byron Hot Springs (3712176)	60	37.8406	-121.62634	Zone-10 N4189019 E620866	T01S, R03E, Sec. 15, SE (M)	NW OF THE JUNCTION OF BYRON HOT SPRINGS RD & ARMSTRONG RD. NE OF LIVERMORE.	IN THE SE 1/4 OF THE SE 1/4 OF SECTION 15. MAPPED ACCORDING TO T-R-S PROVIDED BY JOKERST: T1S R3E SE 1/4 OF SE 1/4 SECTION 15.	ALKALINE GRASSLAND.			SITE BASED ON A 1989 JOKERST COLLECTION. IN 2002, WITHAM OBSERVED SEMI-NATURAL HABITAT IN SEVERAL LOCATIONS NEAR MAPPED SITE, BUT NO PLANTS SEEN. REQUIRES ADDITIONAL FIELDWORK.	UNKNOWN	1/2/2008 0:00	Byron Hot Springs (3712176)	10	620866	4189019
Atriplex depressa	brittlescale	Dicots	PDCHE042L0	None	None	G2	S2	1B.2		32	6898	24684	1988XXXX	1988XXXX	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	200	37.83666	-121.68893	Zone-10 N4188502 E615366	T01S, R03E, Sec. 19, NW (M)	LOS VAQUEROS RESERVOIR, W SIDE OF SPILLWAY AND S OF DAM.	MAPPED AS 2 POLYGONS BASED ON MAP PROVIDED BY JONES & STOKES, INC. IN THE NW 1/4 NW 1/4 AND THE NE 1/4 NW 1/4 SECTION 19.	ALKALINE SOILS WITH THE RARE ATRIPLEX JOAQUINANA NEARBY.			150 PLANTS ESTIMATED IN 1988 IN 2 POLYGONS.	CONTRA COSTA WATER DISTRICT	12/15/1995 0:00	Byron Hot Springs (3712176)	10	615366	4188502
Atriplex depressa	brittlescale	Dicots	PDCHE042L0	None	None	G2	S2	1B.2		31	6899	24687	1988XXXX	1988XXXX	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	275	37.8555	-121.71591	Zone-10 N4190559 E612962	T01S, R02E, Sec. 11, SE (M)	0.5-0.7 MILE N OF VASCO ROAD, KELLOGG CREEK WATERSHED.	MAPPED BASED ON MAP PROVIDED BY JONES & STOKES, INC. IN THE SE 1/4 SE 1/4 SECTION 11.	ALKALINE SOILS WITH THE RARE ATRIPLEX JOAQUINANA NEARBY.			500 PLANTS ESTIMATED IN 1988.	CONTRA COSTA WATER DISTRICT	12/13/1993 0:00	Byron Hot Springs (3712176)	10	612962	4190559
Atriplex depressa	brittlescale	Dicots	PDCHE042L0	None	None	G2	S2	1B.2		30	6900	24686	1988XXXX	1988XXXX	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	200	37.86246	-121.72253	Zone-10 N4191324 E612370	T01S, R02E, Sec. 11, NE (M)	ABOUT 0.8 MILE S OF MARSH CREEK ROAD, 0.2-0.4 MILE E OF POWERLINES, KELLOGG CREEK WATERSHED.	MAPPED BASED ON MAP PROVIDED BY JONES & STOKES, INC. IN THE SW 1/4 NE 1/4 SECTION 11.	THE RARE ATRIPLEX JOAQUINANA IS FOUND NEARBY.			500 PLANTS ESTIMATED IN 1988.	CONTRA COSTA WATER DISTRICT	12/13/1993 0:00	Byron Hot Springs (3712176)	10	612370	4191324
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	10	7259	83700	20000502	20000502	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	600	37.97097	-121.84405	Zone-10 N4203225 E601530	T02N, R01E, Sec. 34, SE (M)	HILLS SOUTHWEST OF ANTIOCH, ABOUT 1 AIR MILE EAST OF SIDNEY FLAT.	MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 24.	STEEP, SOUTH-FACING SLOPE. THE RARE BLEPHARIZONIA PLUMOSA AND GALIUM ANDRESII SSP. GATENSE ARE WITHIN ONE-HALF MILE TO THE NORTH AND WEST, BUT NOT IN ASSOCIATION.			SINGLE LARGE SHRUB OBSERVED IN 2000. 1889 BRANDEGEE COLLECTION FROM ANTIOCH ATTRIBUTED TO THIS OCCURRENCE.	UNKNOWN	9/23/2011 0:00	Antioch South (3712187)	10	601530	4203225
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	21	7338	23131	19900627	19900627	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento	Antioch North (3812117)	5	38.03216	-121.78504	Zone-10 N4210080 E606625	T02N, R02E, Sec. 08, W (M)	MAYBERRY CUT, ALONG SHERMAN ISLAND.		ABUNDANT ALONG BANK. ASSOCIATED WITH RUBUS, SALIX, HELENIUM, SCIRPUS, TYPHA, MIMULUS, VERBENA, JUNCUS, POLYPOGON, PASPALUM, CYPERUS, PHRAGMITES, POLYGONUM, ERYNGIUM, RUMEX, LYTHRUM, ROSA, AND AGROSTIS. LILAEOPSIS MASONII OCCURS NEARBY.			LARGE NUMBERS OF PLANTS SEEN DURING BOATING SURVEY IN 1987. ALSO OBSERVED IN 1990.	DFG-LOWER SHERMAN ISLAND WA	12/5/1995 0:00	Antioch North (3812117)	10	606625	4210080
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	8	7633	22573	20170615	20170615	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	5	38.01494	-121.78222	Zone-10 N4208172 E606898	T02N, R02E, Sec. 17, SW (M)	ANTIOCH DUNES, ON THE EAST TOWER SITE.	SARDIS UNIT OF ANTIOCH DUNES NATIONAL WILDLIFE REFUGE.	NEAR WATER'S EDGE WITH SCIRPUS, QUERCUS AGRIFOLIA(?), CORTADERIA, PLANTAGO, LYTHRUM, AND PASPALUM. OENOTHERA DELTOIDES HOWELLII AND ERYSIMUM CAPITATUM ANGUSTATUM OCCUR NEARBY ON THE DUNES.	Recreational use (non-ORV)	FISHERMEN USE AREA HEAVILY, BUT WITH NO APPARENT ADVERSE EFFECTS.	FEWER THAN 12 PLANTS SEEN IN 1977. UNKNOWN NUMBER OF PLANTS SEEN IN 2001 AND 2015. FEWER THAN 50 PLANTS SEEN IN 2017. THE RARE LATHYRUS JEPSONII VAR. JEPSONII, LILAEOPSIS MASONII, AND LIMOSELLA SUBULATA ALSO OCCUR AT THIS SITE.	PVT, USFWS-ANTIOCH DUNES NWR	12/26/2018 0:00	Antioch North (3812117)	10	606898	4208172

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Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	1	29810	28568	19920510	19920510	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	550	37.84427	-121.77972	Zone-10 N4189238 E607364	T01S, R02E, Sec. 17, SW (M)	ROUND VALLEY ON HILLSIDE ABOVE SOUTHWEST SECTION OF VALLEY, MORGAN TERRITORY REGIONAL PARK.	MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 17 ACCORDING TO 1992 LAKE FIELD SURVEY MAP.	BLUE OAK WOODLAND FADING INTO CHAMISE CHAPARRAL. WEST-FACING SLOPE WITH QUERCUS DOUGLASII, Q. WISLIZENI, AND ARCTOSTAPHYLOS MANZANITA.	Grazing	GRAZING.	10 PLANTS OBSERVED IN 1992.	CONTRA COSTA WATER DISTRICT	12/15/2017 0:00	Tassajara (3712177)	10	607364	4189238
Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	8	29947	28557	20160402	20160402	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187) | Clayton (3712188)	800	37.89318	-121.87703	Zone-10 N4194558 E598738	T01N, R01E, Sec. 32, NE (M)	NEAR MOUTH OF PERKINS CREEK ABOUT 1.3 MILES EAST OF NORTH PEAK, MOUNT DIABLO STATE PARK.	IN THE VICINITY OF LOWER DAM. 2 POLYGONS MAPPED ACCORDING TO A 1985 SHOWERS MAP AND 2016 BARTOSH COORDINATES.	GROWING ON NE-FACING SLOPES IN GRASSLAND UNDER OAKS. ASSOCIATED WITH QUERCUS DOUGLASII, Q. CHRYSOLEPIS, UMBELLULARIA, AVENA, BROMUS, AND DELPHINIUM CARDINALE.			FEWER THAN 100 PLANTS SEEN IN SOUTHERN POLYGON IN 1985. UNKNOWN NUMBER OF PLANTS SEEN IN NORTHERN POLYGON IN 2016.	DPR-MOUNT DIABLO SP	1/3/2018 0:00	Clayton (3712188)	10	598738	4194558
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	45	30164	28779	1993XXXX	1993XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	250	37.89323	-121.75554	Zone-10 N4194699 E609420	T01N, R02E, Sec. 33, NE (M)	NORTH SIDE OF BRIONES VALLEY; 0.6 AIR MILE EAST OF JUNCTION OF DEER VALLEY ROAD AND BRIONES VALLEY ROAD.	2 COLONIES: ONE IN THE NW 1/4 NE 1/4 OF SECTION 33, THE OTHER IN THE E 1/2 NE 1/4 OF SECTION 33.	SE COLONY IS ASSOCIATED WITH ATRIPLEX CORONATA VAR. CORONATA.	Development	DEVELOPMENT COULD THREATEN.	3350 PLANTS IN 1993 IN NW COLONY. UNKNOWN NUMBER OBSERVED IN SE COLONY IN 1993. INCLUDES FORMER OCCURRENCE #46.	DPR-COWELL RANCH	9/27/2005 0:00	Antioch South (3712187)	10	609420	4194699
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	43	30172	28778	20070514	20070514	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Brentwood (3712186)	200	37.88586	-121.74383	Zone-10 N4193895 E610460	T01N, R02E, Sec. 34, SW (M)	EAST END OF BRIONES VALLEY, ABOUT 0.8 MILE WSW OF MARSH CREEK RESERVOIR.		ALKALI MEADOW WITH DISTICHLIS SPICATA, HEMIZONIA PUNGENS, FRANKENIA SALINA, & ATRIPLEX CORONATA CORONATA. ALSO ASSOCIATED WITH ALLENROLFIA OCCIDENTALIS, HOLOCARPHA OBCONICA, LOLIUM MULTIFLORUM, & HORDEUM MARINUM GUSSONEANUM.	Development | Non-native plant impacts	PROPOSED RESIDENTIAL DEVELOPMENT. NON-NATIVE ANNUAL GRASSES PRESENT ON SITE.	200-300 PLANTS IN THE SE POLYGON IN 1994. UNKNOWN NUMBER OF PLANTS SEEN IN THE NW POLYGON IN 1993, 10 PLANTS SEEN IN NW POLYGON IN 2007.	DPR-COWELL RANCH	1/18/2008 0:00	Brentwood (3712186)	10	610460	4193895
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	44	30322	28777	1993XXXX	1993XXXX	N	X-None	Extirpated	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Brentwood (3712186)	170	37.90402	-121.72544	Zone-10 N4195931 E612050	T01N, R02E, Sec. 26, NW (M)	APPROXIMATELY 1.1 MILES NORTH OF MARSH CREEK RESERVOIR, 0.5 MILE DUE WEST OF CONCORD AVENUE CROSSING OF MARSH CREEK.	ON WEST SIDE OF CONCORD AVENUE.		Development	2012 AERIAL PHOTO SHOWS DEVELOPMENT ON SITE.	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1993. BASED ON RECENT AERIAL PHOTOS, THIS OCCURRENCE HAS BEEN EXTIRPATED; ALL HABITAT AT THIS LOCATION HAS BEEN DEVELOPED.	PVT-COWELL RANCH	6/7/2013 0:00	Brentwood (3712186)	10	612050	4195931
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	32	30471	21628	20090903	20090903	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento	Jersey Island (3812116)	0	38.10382	-121.68618	Zone-10 N4218150 E615189	T03N, R03E, Sec. 18 (M)	BOTH SIDES OF THREEMILE SLOUGH AND ALONG THE SOUTHERN PORTION OF BRANNAN ISLAND, ROUGHLY 4 MILES SOUTH OF RIO VISTA.	MAPPED BY CNDDB AS 17 POLYGONS.	TIDAL EMERGENT MARSHES AND RIPRAPPED BANKS WITH SCIRPUS ACUTUS, JUNCUS SPP, CAREX SPP, PASPALUM DILATATUM, ALNUS RHOMBIFOLIA, VERBENA BONARIENSIS, ETC. ALSO ASSOCIATED WITH LILAEOPSIS MASONII, LIMOSELLA SUBULATA, & LATHYRUS JEPSONII.	Non-native plant impacts | Other | Erosion/runoff | Waterway bank protection/maintenance	PORTIONS RIPRAPPED. OVERGROWTH OF ARUNDO, EROSION. TIDAL GATE INSTALLATION COULD DISTURB OR REMOVE PARTS OF POP.	PORTIONS OF OCCURRENCE OBSERVED IN 1988, 1994, 1995, 1996, 2000, AND 2008. 2047+ PLANTS WERE OBSERVED IN 2009. INCLUDES FORMER OCCURRENCE #51.	DPR-BRANNAN ISLAND SRA, UNK	5/24/2011 0:00	Jersey Island (3812116)	10	615189	4218150
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		144	30911	35474	19961115	19961115	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Clifton Court Forebay (3712175)	0	37.79939	-121.52595	Zone-10 N4184580 E629773	T01S, R04E, Sec. 34, SW (M)	SE OF CLIFTON COURT FOREBAY, ALONG OLD RIVER, 1.3 MI NW OF JCT HENDERSON ROAD AND BYRON ROAD.		ON MUD BANK.	Waterway bank protection/maintenance	SURROUNDING AREA RIPRAPPED.	688 PLANTS IN 1996.	DWR-CLIFTON COURT FOREBAY	2/27/1997 0:00	Clifton Court Forebay (3712175)	10	629773	4184580
Tropidocarpum capparideum	caper-fruited tropidocarpum	Dicots	PDBRA2R010	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | USFS_S-Sensitive	11	31866	36869	189703XX	189703XX	N	U-Unknown	Presumed Extant	Circular feature with a 8000 meter radius (5 miles)	100	Unknown	Natural/Native occurrence	Alameda	Midway (3712165) | Altamont (3712166) | Livermore (3712167) | Byron Hot Springs (3712176) | Tassajara (3712177)		37.70048	-121.71632	Zone-10 N4173359 E613163	T03S, R02E, Sec. 02 (M)	BY RAILROAD EAST OF LIVERMORE.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN THE GENERAL VICINITY EAST OF LIVERMORE.				ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1897 DUDLEY COLLECTION. SURVEYS NEEDED TO DETERMINE IF SUITABLE HABITAT EXISTS.	UNKNOWN	9/25/1997 0:00	Altamont (3712166)	10	613163	4173359
Eschscholzia rhombipetala	diamond-petaled California poppy	Dicots	PDPAP0A0D0	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	4	31877	36880	18880325	18880325	N	X-None	Possibly Extirpated	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175) | Byron Hot Springs (3712176)	100	37.84991	-121.64189	Zone-10 N4190032 E619482	T01S, R03E, Sec. 16 (M)	HILLS SOUTH OF BYRON, NEAR BYRON SPRINGS.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AROUND HILLS JUST SOUTH OF BYRON AND VICINITY OF BYRON HOT SPRINGS.				SITE IS BASED ON TWO 1888 GREENE COLLECTIONS FROM "NEAR BYRON" AND "NEAR BYRON SPRINGS," AND LOCATION GIVEN IN 1979 CLARK COMMUNICATION: "HILLS S OF BYRON." POSSIBLY EXTIRPATED ACCORDING TO LAKE (2005).	UNKNOWN	3/24/2015 0:00	Byron Hot Springs (3712176)	10	619482	4190032
Scutellaria lateriflora	side-flowering skullcap	Dicots	PDLAM1U0Q0	None	None	G5	S2	2B.2	IUCN_LC-Least Concern	2	32121	37124	18920906	18920906	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	San Joaquin	Terminous (3812114) | Bouldin Island (3812115) | Isleton (3812125)		38.1035	-121.53293	Zone-10 N4218315 E628626	T03N, R04E, Sec. 15 (M)	BOULDIN ISLAND.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND BOULDIN ISLAND.				ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN 1892 COLLECTION BY BRANDEGEE. NEEDS FIELDWORK.	UNKNOWN	4/22/2014 0:00	Bouldin Island (3812115)	10	628626	4218315
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	65	32578	37576	19940929	19940929	N	D-Poor	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	10	38.00273	-121.51069	Zone-10 N4207164 E630756	T02N, R04E, Sec. 23, SW (M)	WEST SIDE OF MCDONALD ISLAND, ALONG MIDDLE RIVER ABOUT 1.3 MILE SOUTH OF COLOMBIA CUT.					1 PLANT OBSERVED IN 1994.	UNKNOWN	11/10/1997 0:00	Bouldin Island (3812115)	10	630756	4207164
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	66	32579	37577	2002XXXX	2002XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento | San Joaquin	Bouldin Island (3812115) | Isleton (3812125)	5	38.12717	-121.57783	Zone-10 N4220880 E624649	T03N, R04E, Sec. 07, NE (M)	VICINITY OF CONFLUENCE OF MOKELUMNE RIVER AND GEORGIANA SLOUGH.	MAPPED AS FOUR POLYGONS: NORTHERN POLYGON FROM HOL99F0005 (1999), TWO CENTRAL POLYGONS FROM HUD02F0022 (2002), AND SOUTHERN POLYGON FROM PER94U0002 (1994). PLANTS ON SOUTHERN TYLER ISLAND AND NORTHWESTERN BOULDIN ISLAND.	OUTER LEVEE SLOPE AND INTERTIDAL ZONE.	Erosion/runoff	IN AREA SUBJECT TO PERPETUAL TIDAL AND RECREATIONAL WAVE FORCES.	OBSERVED IN 1999 AND 2002. EO #127 LUMPED HERE.	UNKNOWN	4/1/2005 0:00	Isleton (3812125)	10	624649	4220880
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	67	32580	37578	2002XXXX	2002XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	5	38.09099	-121.5274	Zone-10 N4216935 E629133	T03N, R04E, Sec. 22 (M)	SOUTH SIDE OF BOULDIN ISLAND, ALONG POTATO SLOUGH ABOUT 2 MILES NORTHWEST OF CONFLUENCE WITH LITTLE POTATO SLOUGH.	MAPPED AS TWO POLYGONS: WESTERN (PERRINE 1994) AND EASTERN (HUDDLESTON ET AL 2002).	OUTER LEVEE SLOPE AND INTERTIDAL ZONE.			OBSERVED IN WESTERN POLYGON IN 1994. OBSERVED IN EASTERN POLYGON IN 2002.	UNKNOWN	3/31/2005 0:00	Bouldin Island (3812115)	10	629133	4216935
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	68	32581	37579	20000825	20000825	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	10	38.0559	-121.52709	Zone-10 N4213041 E629222	T02N, R04E, Sec. 03, NE (M)	VENICE CUT, BETWEEN MANDEVILLE REACH AND THREE RIVER REACH, VENICE ISLAND.	SEVERAL COLONIES MAPPED AS THREE POLYGONS ALONG BOTH SIDES OF VENICE CUT.	PLANTS FOUND VARIOUSLY GROWING IN RIPRAP, ON LOW BERM/POINT, AND ON WOODEN PILINGS.	Recreational use (non-ORV) | Waterway bank protection/maintenance	POSSIBLY AFFECTED BY HUMAN DISTURBANCES IN AREAS OF HIGH RECREATIONAL USE. RIPRAP MAINTENANCE COULD ALSO THREATEN.	SIX COLONIES OBSERVED IN 1994. 14 PLANTS OBSERVED IN 2000 ON NORTH SIDE OF VENICE CUT.	UNKNOWN	11/19/2001 0:00	Bouldin Island (3812115)	10	629222	4213041
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	69	32582	37580	19940929	19940929	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	10	38.05598	-121.54039	Zone-10 N4213032 E628055	T02N, R04E, Sec. 04, NE (M)	NORTHEAST SIDE OF MANDEVILLE ISLAND ALONG MANDEVILLE CUT, ABOUT 0.2 MILE WEST OF MANDEVILLE REACH.					2 PLANTS OBSERVED IN 1994.	UNKNOWN	11/10/1997 0:00	Bouldin Island (3812115)	10	628055	4213032
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	70	32584	37582	19940929	19940929	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	10	38.05654	-121.54724	Zone-10 N4213084 E627453	T03N, R04E, Sec. 33, S (M)	NORTHEAST SIDE OF MANDEVILLE ISLAND ALONG MANDEVILLE CUT, OPPOSITE FROM THE WEST END OF MANDEVILLE CUT COUNTY PARK.					20+ PLANTS OBSERVED IN 1994.	UNKNOWN	11/10/1997 0:00	Bouldin Island (3812115)	10	627453	4213084
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	71	32585	26531	20090805	20090805	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	5	38.03337	-121.56982	Zone-10 N4210483 E625512	T02N, R04E, Sec. 08, W (M)	WEST SIDE OF MANDEVILLE ISLAND ALONG OLD RIVER, ABOUT 0.6 TO 0.8 MILE SOUTHEAST OF THE NORTH END OF QUIMBY ISLAND.	MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO A 1994 PERRINE & KJELDSEN MAP AND 2010 DWR DIGITAL DATA.	NORTH POLYGON GROWING ON OLD BARGE; ASSOCIATED WITH VERBENA, CEPHALANTHUS OCCIDENTALIS VAR. CALIFORNICUS, AND LILAEOPSIS MASONII. SOUTH POLYGON GROWING ON EXPOSED PILINGS AND LEVEE RIPRAP.			PLANTS OBSERVED IN NORTHERN POLYGON IN 1994. 4 CLUMPS OBSERVED IN SOUTHERN POLYGON IN 2009.	PVT	5/18/2011 0:00	Bouldin Island (3812115)	10	625512	4210483
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	72	32586	37584	199310XX	199310XX	N	U-Unknown	Presumed Extant	Circular feature with a 150 meter radius (1/10 mile)	40	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117)	0	38.07079	-121.87016	Zone-10 N4214272 E599102	T03N, R01E, Sec. 28, SE (M)	SPINNER ISLAND, ALONG MONTEZUMA SLOUGH ABOUT 0.25 MILE UPSTREAM FROM SUISUN BAY.	ONE COLONY MAPPED.	BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.			MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).	UNKNOWN	11/12/1997 0:00	Antioch North (3812117)	10	599102	4214272
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	125	32635	37633	20090721	20090721	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.02468	-121.58163	Zone-10 N4209502 E624490	T02N, R04E, Sec. 18, NE (M)	ON ISLAND BETWEEN HOLLAND CUT AND SHEEP SLOUGH, JUST SOUTH OF CONFLUENCE WITH ROOSEVELT CUT.	TWO COLONIES MAPPED ON THE NORTH AND SOUTH SIDES OF THE ISLAND ACCORDING TO A 1994 PERRINE MAP AND 2010 DIGITAL DATA FROM THE DEPARTMENT OF WATER RESOURCES.	TIDAL MARSH.			UNKNOWN NUMBER OF PLANTS OBSERVED IN SOUTHERN POLYGON IN 1994. 2 CLUMPS OBSERVED ON WATER'S EDGE IN NORTHERN POLYGON IN 2009.	UNKNOWN	5/18/2011 0:00	Bouldin Island (3812115)	10	624490	4209502
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	126	32636	37634	20090821	20090821	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Terminous (3812114) | Bouldin Island (3812115)	0	38.08935	-121.50154	Zone-10 N4216789 E631404	T03N, R04E, Sec. 24, SW (M)	ISLANDS IN LITTLE POTATO SLOUGH, FROM ABOUT 0.2-0.8 AIR MILE WSW OF DEVILS ISLE.	TWO COLONIES MAPPED IN THE N 1/2 OF THE SW 1/4 OF SECTION 24 ACCORDING TO A 1994 MAP BY PERRINE AND 2010 DIGITAL DATA FROM THE DEPARTMENT OF WATER RESOURCES.	SW COLONY: GROWING NEAR CENTER OF CHANNEL ISLAND WITH SCIRPUS ACUTUS VAR. OCCIDENTALIS. NE COLONY: TIDAL MARSH WITH SCIRPUS AND TYPHA.			UNKNOWN NUMBER OF PLANTS OBSERVED IN SOUTHWEST COLONY IN 1994. ABOUT 20 LARGE CLUMPS OF PLANTS OBSERVED IN NORTHEAST COLONY IN 2009.	UNKNOWN	5/18/2011 0:00	Bouldin Island (3812115)	10	631404	4216789
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	59	32652	37650	19940817	19940817	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	1	38.12406	-121.57917	Zone-10 N4220533 E624537	T03N, R04E, Sec. 07 (M)	NORTHWEST END OF BOULDIN ISLAND ALONG EAST BANK OF MOKELUMNE RIVER JUST SOUTH OF HIGHWAY 12.	MAPPED ABOUT 100 METERS SOUTH OF HIGHWAY ALONG RIVER SIDE OF LEVEE.				ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL.	UNKNOWN	12/8/1997 0:00	Bouldin Island (3812115)	10	624537	4220533
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	60	32653	37651	19940817	19940817	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	1	38.1089	-121.57096	Zone-10 N4218862 E625283	T03N, R04E, Sec. 17 (M)	WEST SIDE OF BOULDIN ISLAND ON EAST BANK OF MOKELUMNE RIVER, ABOUT 0.7 MILE DUE NORTH OF THE SOUTH TIP OF ANDRUS ISLAND.					ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL.	UNKNOWN	12/8/1997 0:00	Bouldin Island (3812115)	10	625283	4218862
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	61	32655	37653	19940817	19940817	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	1	38.09556	-121.56685	Zone-10 N4217387 E625666	T03N, R04E, Sec. 20 (M)	NW END OF BOULDIN ISLAND NEAR CONFLUENCE OF MOKELUMNE RIVER AND SAN JOAQUIN RIVER.	SITE IS MAPPED OPPOSITE THE SE TIP OF ANDRUS ISLAND.				ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL.	UNKNOWN	12/8/1997 0:00	Bouldin Island (3812115)	10	625666	4217387
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	62	32656	37654	19940817	19940817	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	1	38.08723	-121.56972	Zone-10 N4216459 E625429	T03N, R04E, Sec. 20 (M)	NW END OF BOULDIN ISLAND NEAR CONFLUENCE OF POTATO SLOUGH AND SAN JOAQUIN RIVER.	MAPPED ALONG THE SAN JOAQUIN RIVER JUST NORTH OF THE SOUTHWESTERNMOST PORTION OF BOULDIN ISLAND.				ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL.	UNKNOWN	12/8/1997 0:00	Bouldin Island (3812115)	10	625429	4216459
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	63	32658	B1704	20150618	20150618	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.0523	-121.63407	Zone-10 N4212499 E619842	T02N, R03E, Sec. 3, NW (M)	IN-CHANNEL BERM AND LEVEE SHORE ON FALSE RIVER BETWEEN WEBB TRACT AND FRANKS TRACT, ~0.8 MILE EAST OF FISHERMANS CUT.	MAPPED AS 2 POLYGONS ACCORDING TO A 1997 KJELDSEN MAP AND 2015 THOMS COORDINATES, IN THE EAST 1/2 OF THE NW 1/4 OF SECTION 3.	GROWING MIXED WITH LONICERA, SCIRPUS ON AN IN-CHANNEL ISLAND THAT IS PROPOSED FOR STABILIZATION. ALSO ROOTED FROM UNDER/IN THE RIP-RAP ON WATER SIDE OF LEVEE ROAD. THE RARE LILAEOPSIS MASONII AND LIMOSELLA SUBULATA ALSO OCCUR HERE.	Erosion/runoff | Waterway bank protection/maintenance	SITE IS ERODING RAPIDLY. LEVEE MAINTENANCE.	MANY PLANTS OBSERVED IN SW POLYGON IN 1997; PLANTS ENTANGLED AND 7' TALL. ABOUT 55 PLANTS OBSERVED IN NE POLYGON IN 2015.	DFG-DELTA ISLANDS	12/20/2018 0:00	Jersey Island (3812116)	10	619842	4212499
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	64	32660	37658	19940827	19940827	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	5	38.05355	-121.85733	Zone-10 N4212373 E600251	T03N, R01E, Sec. 34 (M)	NORTHWEST END OF WINTER ISLAND, ABOUT 0.5 MILE SSW OF POINT SAN JOAQUIN, SUISUN BAY.	MAPPED ALONG OLD LEVEE TOP.				SINGLE COLONY REPORTED IN 1994.	UNKNOWN	12/9/1997 0:00	Antioch North (3812117)	10	600251	4212373
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	66	32662	37660	19941027	19941027	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	5	38.03369	-121.84017	Zone-10 N4210188 E601784	T02N, R01E, Sec. 11 (M)	EAST SIDE OF WINTER ISLAND, ABOUT 0.2 MILE NNW OF POINT BEENAR ALONG THE SAN JOAQUIN RIVER, SUISUN BAY.	MAPPED ALONG OLD LEVEE TOP.				SINGLE COLONY REPORTED IN 1994.	UNKNOWN	12/9/1997 0:00	Antioch North (3812117)	10	601784	4210188
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	67	32663	37661	20170706	20170706	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	0	38.01676	-121.79677	Zone-10 N4208357 E605618	T02N, R02E, Sec. 18, S (M)	ALONG SHORE OF THE SAN JOAQUIN RIVER AT THE ANTIOCH DUNES, ABOUT 1.7 MILES ESE OF ANTIOCH POINT, ANTIOCH DUNES NWR.	MAPPED AS 2 POLYGONS ALONG SHORE OF USFWS "STAMM PARCEL" ABOUT 0.2 MILE NORTHEAST OF WHERE SHIPYARD ROAD CROSSES THE RAILROAD TRACKS.	CLIMBING LARGE STAND OF RUBUS ARMENIACUS, ARUNDO AND SCHOENOPLECTUS AT WATER'S EDGE.	Non-native plant impacts	WEEDY RUBUS PROCERUS.	EASTERN POLYGON: 12 PLANTS OBSERVED IN 1992, UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001. WESTERN POLYGON: FEWER THAN 10 PLANTS IN 2017. THE RARE SYMPHYOTRICHUM LENTUM, LILAEOPSIS MASONII, AND LIMOSELLA SUBULATA ALSO OCCUR AT THIS SITE.	USFWS-ANTIOCH DUNES NWR	12/19/2018 0:00	Antioch North (3812117)	10	605618	4208357
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		146	32742	37735	20090903	20090903	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Jersey Island (3812116)	5	38.10226	-121.70957	Zone-10 N4217948 E613141	T03N, R02E, Sec. 13, W (M)	NORTHEAST TIP OF DECKER ISLAND, BETWEEN THE SACRAMENTO RIVER AND HORSESHOE BEND.	MAPPED BY CNDDB AS 3 POLYGONS ACCORDING TO 2010 DWR DIGITAL DATA.	GROWING ALONG ISLAND ON MUD BANK AND IN SEMI-AQUATIC AREAS NEAR THE WATER'S EDGE. FORMS SOD MATS ON WAVE CUT BENCHES ALONG THE CHANNEL BANKS AND OCCASIONALLY ON ROTTING TREE TRUNKS. LIMOSELLA IS ALSO PRESENT.	Altered flood/tidal/hydrologic regime | Vandalism/dumping/litter | Erosion/runoff | Recreational use (non-ORV)	FLOOD CONTROL, WIDENING OF CHANNELS FOR WATER TRANSPORT, RECREATIONAL DEVELOPMENT, DREDGING/DUMPING OF SPOILS, EROSION.	MANY PLANTS OBSERVED IN 1997. FURTHER SURVEYS BY BOAT MAY REVEAL ADDITIONAL PLANTS ALONG LENGTH OF ISLAND. TWO POPULATIONS OBSERVED IN 2000. 4 POPULATIONS OBSERVED IN 2009.	UNKNOWN	12/22/2010 0:00	Jersey Island (3812116)	10	613141	4217948
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		32	32745	37656	19970604	19970604	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.05235	-121.63414	Zone-10 N4212504 E619836	T02N, R03E, Sec. 03, NW (M)	IN-CHANNEL BERM IN FALSE RIVER BETWEEN WEBB TRACT AND FRANKS TRACT, ABOUT 0.8 MILE EAST OF FISHERMANS CUT.	MAPPED JUST WEST OF THE SOUTHERNMOST TIP OF WEBB TRACT.	GROWING MIXED WITH THE RARE LILAEOPSIS MASONII.	Erosion/runoff	SITE IS ERODING RAPIDLY.	MANY PLANTS OBSERVED IN 1997. THIS IS AN IN-CHANNEL ISLAND THAT IS PROPOSED FOR STABILIZATION.	DFG-DELTA ISLANDS	12/18/1997 0:00	Jersey Island (3812116)	10	619836	4212504
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	30	41676	41676	20130905	20130905	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	600	37.93785	-121.81911	Zone-10 N4199577 E603768	T01N, R01E, Sec. 13, NW (M)	RODDY RANCH, ABOUT 0.4 MILE SW OF WEST HARTLEY (SITE), SOUTH OF ANTIOCH.	MAPPED AS 2 POLYGONS. IN THE NORTH 1/2 OF THE NW 1/4 OF SECTION 13.	GRASSLAND HABITAT ON NORTH FACING SLOPES. ALTAMONT SERIES SOILS. ASSOCIATED WITH ELYMUS CAPUT-MEDUSAE, BROMUS HORDEACEUS, BRASSICA NIGRA, FESTUCA PERENNIS, CENTAUREA SOLSTITIALIS, GRINDELIA CAMPORUM, HOLOCARPHA VIRGATA SSP. VIRGATA, ETC.	Development | Grazing | Non-native plant impacts	HEAVY CATTLE GRAZING. URBANIZATION. INVASION OF YELLOW STAR THISTLE AND MEDUSAHEAD GRASS IS A PROBLEM AT THIS SITE.	IN 1998: 20 PLANTS OBSERVED AT WEST POLYGON AND 2200 PLANTS OBSERVED IN EAST POLYGON. IN 2006, 2 PLANTS OBSERVED AT WEST POLYGON AND 1000 PLANTS OBSERVED IN EAST POLYGON. 7507+ PLANTS SEEN IN BOTH POLYGONS IN 2013.	EBRPD-DEER VALLEY RP	9/25/2017 0:00	Antioch South (3712187)	10	603768	4199577
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	31	41677	41677	20130906	20130906	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	400	37.93731	-121.80772	Zone-10 N4199529 E604770	T01N, R01E, Sec. 13, NE (M)	RODDY RANCH, ABOUT 0.3 MILE SE OF WEST HARTLEY (SITE), SOUTH OF ANTIOCH.	MAPPED AS 3 POLYGONS. IN THE NE 1/4 OF THE NE 1/4 OF SECTION 13 AND THE NW 1/4 OF THE NW 1/4 OF SECTION 18.	GRASSLAND HABITAT ON N & SW FACING SLOPES. ON A CLAY BARREN NEAR THE VALLEY BOTTOM ON A GENTLE SLOPE, AND ON AN ISOLATED HILL ALONG RIDGETOP AND SIDE SLOPES. ALTAMONT-FONTANA COMPLEX SOILS. ASSOC W/ AVENA FATUA, TRIFOLIUM HIRTUM, ETC.	Development | Grazing | Non-native plant impacts	HEAVY CATTLE GRAZING. URBANIZATION. LOW TO MODERATE ABUNDANCE OF MEDUSAHEAD, CHARLOCK, YELLOW STARTHISTLE, ETC.	1100 PLANTS SEEN AT NORTHWEST COLONY AND 3637 PLANTS SEEN AT SOUTHWEST COLONY IN 1998. 1000 PLANTS SEEN AT SOUTHWEST COLONY IN 2006. 14,532 PLANTS SEEN IN ALL 3 COLONIES IN 2013.	EBRPD-DEER VALLEY RP	9/25/2017 0:00	Antioch South (3712187)	10	604770	4199529
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	32	41678	41678	20130906	20130906	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	330	37.93322	-121.79747	Zone-10 N4199087 E605677	T01N, R02E, Sec. 18 (M)	RODDY RANCH, HORSE VALLEY, WEST OF BEND IN EMPIRE MINE ROAD, SOUTH OF ANTIOCH.	3 POLYGONS MAPPED WITHIN THE CENTER OF SECTION 18 AND IN THE SE 1/4 OF THE NW 1/4 OF SECTION 18.	GRASSLAND HABITAT ON N-FACING SLOPE. GRASSLAND HAS A THICK LAYER OF THATCH. ALTAMONT SERIES SOILS. ASSOC W/ TRILIUM HIRTUM, TORILIS ARVENSIS, T. NODOSA, LAGOPHYLLA RAMOSISSIMA, ITALIAN THISTLE, SOFT CHESS, AND EPILOBIUM BRACHYCARPUM.	Development | Grazing | Non-native plant impacts | Disking	THREATENED BY CATTLE GRAZING, INVASION OF YELLOW STAR THISTLE, & DISKING. S POLYGON EXTIRPATED BY GOLF COURSE.	7 PLANTS IN NORTH POLYGON AND 844 IN SOUTH POLYGON IN 1998. DISTURBED BY FIRE IN SUMMER OF 2006, NO PLANTS FOUND. 2013: NO PLANTS SEEN IN NORTHERN POLYGON, MOST OF SOUTHERN POLYGON EXTIRPATED BY GOLF COURSE, 833 PLANTS IN MIDDLE POLYGON.	EBRPD-DEER VALLEY RP, PVT	9/25/2017 0:00	Antioch South (3712187)	10	605677	4199087
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	33	41679	41679	20130906	20130906	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	300	37.93139	-121.78132	Zone-10 N4198903 E607098	T01N, R02E, Sec. 17 (M)	RODDY RANCH, E EDGE OF HORSE VALLEY, NEAR INTERSECTION OF EMPIRE MINE ROAD AND DEER VALLEY ROAD.	MAPPED AS A SERIES OF 3 POLYONS: 1 N OF EMPIRE MINE ROAD, 1 S OF EMPIRE MINE ROAD AND 1 E OF DEER VALLEY ROAD. POLYGONS ARE IN THE NW 1/4, SW 1/4 AND SE 1/4 OF SECTION 17.	GRASSLAND HABITAT ON _NFACING SLOPE AT THE UPPER PORTIONS OF AN ISOLATED HILL. ALTAMONT SERIES SOILS. ASSOCIATED WITH AVENA FATUA, MEDICAGO POLYMORPHA, BROMUS DIANDRUS, AND A LOW ABUNDANCE OF YELLOW STAR THISTLE.	Development | Grazing | Non-native plant impacts | Disking	HEAVY DISKING IS PRIMARY THREAT. ALSO DISTURBED BY CATTLE GRAZING, URBANIZATION, AND INVASION OF YELLOW STAR THISTLE.	SW POLYGON: 1150 PLANTS OBSERVED BY THAYER IN 1998, 57 PLANTS OBSERVED IN 2006. NORTH AND SE POLYGONS: 1000 PLANTS AT EACH POLYGON IN 2006. 14 PLANTS OBSERVED IN A SMALL PORTION OF THE SW POLYGON IN 2013.	EBRPD-DEER VALLEY RP, PVT	9/25/2017 0:00	Antioch South (3712187)	10	607098	4198903
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	34	41680	41680	20130906	20130906	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	300	37.92907	-121.7886	Zone-10 N4198637 E606461	T01N, R02E, Sec. 18, SE (M)	RODDY RANCH, HORSE VALLEY, 0.7 MILE NW DEER VALLEY ROAD AND BALFOUR ROAD INTERSECTION, SOUTH OF ANTIOCH.	2 POLYGONS MAPPED WITHIN THE NE 1/4 SE 1/4 SECTION 18.	GRASSLAND HABITAT ON N TO NE-FACING SLOPE. ALTAMONT SERIES SOILS. ASSOC W/ BROMUS MADRITENSIS SSP. RUBENS, FESTUCA PERENNIS, AVENA FATUA, CARDUUS PYCNOCEPHALUS, MEDICAGO POLYMORPHA, SINAPSIS ARVENSIS, & HIRSCHFELDIA INCANA.	Development | Grazing | Non-native plant impacts | Disking	THREATENED BY HEAVY CATTLE GRAZING, GOLF COURSE CONSTRUCTION, HEAVY DISKING, AND NON-NATIVES (YELLOW STAR THISTLE, ETC).	109 PLANTS OBSERVED IN 1998. IN 2006, 1 PLANT WAS OBSERVED AT NW COLONY AND 12 PLANTS WERE OBSERVED AT SE COLONY. IN 2013, NO PLANTS OBSERVED AT NW COLONY AND 505 PLANTS OBSERVED AT SE COLONY.	EBRPD-DEER VALLEY RP	9/25/2017 0:00	Antioch South (3712187)	10	606461	4198637
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	35	41681	41681	20130906	20130906	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	480	37.92375	-121.81543	Zone-10 N4198016 E604111	T01N, R01E, Sec. 24, NW (M)	RODDY RANCH, DEER VALLEY, ABOUT 1.2 MILES SOUTH OF WEST HARTLEY (SITE), SOUTH OF ANTIOCH.	MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 24.	CLAY BARREN GRASSLAND HABITAT ON A SHALLOW N-FACING SLOPE NEAR THE VALLEY BOTTOM. ALTAMONT SERIES SOILS. ASSOC W/ SOFT CHESS, ROSE CLOVER, ITALIAN THISTLE, & GRINDELIA CAMPORUM. LOW TO MOD ABUNDANCE OF YELLOW STARTHISLTE AND MEDUSAHEAD.	Grazing | Non-native plant impacts	HEAVY CATTLE GRAZING. INVASION OF YELLOW STAR THISTLE IS A PROBLEM AT THIS SITE.	7 PLANTS OBSERVED AT THIS SITE IN 1998. 51 PLANTS OBSERVED IN 2013.	PVT?	9/25/2017 0:00	Antioch South (3712187)	10	604111	4198016
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	36	41682	41682	20130906	20130906	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	385	37.91686	-121.79162	Zone-10 N4197278 E606214	T01N, R02E, Sec. 19, SE (M)	RODDY RANCH, DEER VALLEY, ABOUT 1.2 MILES WEST OF CHADBOURNE ROAD AND DEER VALLEY ROAD INTERSECTION, SOUTH OF ANTIOCH.	THREE POLYGONS MAPPED WITHIN THE NORTH 1/2 OF THE SE 1/4 OF SECTION 19.	CLAY BARRENS IN GRASSLAND HABITAT. ALTAMONT SERIES SOILS. ASSOCIATED WITH HOLOCARPHA VIRGATA, BROMUS MADRITENSIS SSP. RUBENS, AVENA FATUA, BELLARDIA TRIXAGO, TORILIS ARVENSIS, BROMUS HORDEACEUS, B. DIANDRUS, CENTROMADIA FITCHII, ETC.	Grazing | Non-native plant impacts	HEAVY CATTLE GRAZING, INVASION OF YELLOW STAR THISTLE.	681 PLANTS SEEN IN NORTHWESTERN POLYGON AND 507 PLANTS IN EASTERN POLYGON IN 1998. 374 PLANTS SEEN IN ALL THREE POLYGONS IN 2013.	EBRPD-DEER VALLEY RP	9/25/2017 0:00	Antioch South (3712187)	10	606214	4197278
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	12	41697	41697	1988XXXX	1988XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1200	37.83509	-121.77921	Zone-10 N4188220 E607423	T01S, R02E, Sec. 20, NW (M)	NEAR MORGAN TERRITORY REGIONAL PARK, 0.7 MI SOUTH OF ROUND VALLEY REGIONAL PARK AND 1.6 MI EAST OF MORGAN TERRITORY RD.	SINGLE COLONY MAPPED NEAR THE CENTER OF THE E 1/2 NW 1/4 SECTION 20.	MIXED CHAPARRAL WITH HIGH SPECIES DIVERSITY AND DIABLAN SAGE SCRUB. ASSOCIATED WITH ARCTOSTAPHYLOS MANZANITA, ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, CEANOTHUS CUNEATUS, ARTEMISIA CALIFORNICA, AND TOXICODENDRON DIVERSILOBUM.			ABOUT 10 PLANTS REPORTED IN 1988.	UNKNOWN	9/30/1999 0:00	Tassajara (3712177)	10	607423	4188220
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	13	41698	41698	1988XXXX	1988XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1600	37.82179	-121.77317	Zone-10 N4186751 E607974	T01S, R02E, Sec. 29, NE (M)	NEAR MORGAN TERRITORY REGIONAL PARK, 1-2 MI SOUTH OF ROUND VALLEY REGIONAL PARK AND 1.5 MI EAST OF MORGAN TERRITORY RD.	SEVERAL COLONIES MAPPED ALONG NE-FACING SLOPE WITHIN THE SE 1/4 SECTION 20, NW 1/4 SECTION 28, AND NE 1/4 SECTION 29.	MIXED CHAPARRAL WITH HIGH SPECIES DIVERSITY AND DIABLAN SAGE SCRUB. ASSOCIATED WITH ARCTOSTAPHYLOS MANZANITA, ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, CEANOTHUS CUNEATUS, ARTEMISIA CALIFORNICA, AND TOXICODENDRON DIVERSILOBUM.			ABOUT 730 PLANTS REPORTED IN 1988.	UNKNOWN	9/30/1999 0:00	Tassajara (3712177)	10	607974	4186751
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	14	41699	41699	1988XXXX	1988XXXX	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1850	37.81105	-121.77069	Zone-10 N4185562 E608208	T01S, R02E, Sec. 29, SE (M)	NEAR MORGAN TERRITORY REGIONAL PARK, 2.4 MI SOUTH OF ROUND VALLEY REGIONAL PARK AND 1.3 MI EAST OF MORGAN TERRITORY RD.	SINGLE COLONY MAPPED ALONG RIDGETOP WITHIN THE SE CORNER SECTION 29.	MIXED CHAPARRAL WITH HIGH SPECIES DIVERSITY AND DIABLAN SAGE SCRUB. ASSOCIATED WITH ARCTOSTAPHYLOS MANZANITA, ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, CEANOTHUS CUNEATUS, ARTEMISIA CALIFORNICA, AND TOXICODENDRON DIVERSILOBUM.			ABOUT 10 PLANTS REPORTED IN 1988.	UNKNOWN	9/30/1999 0:00	Tassajara (3712177)	10	608208	4185562
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	17	41702	41702	19900408	19900408	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1150	37.93968	-121.85023	Zone-10 N4199745 E601031	T01N, R01E, Sec. 10, SE (M)	RIDGE BETWEEN STEWARTVILLE (SITE) AND OIL CANYON, ABOUT 1.5 MILES SE OF SOMERSVILLE (SITE), NORTHEAST OF MOUNT DIABLO.	THREE COLONIES MAPPED WITHIN THREE POLYGONS IN THE SW 1/4 SE 1/4 SECTION 10.	CHAPARRAL WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, MIMULUS AURANTIACUS, AND HELIANTHELLA CASTANEA. ON N-FACING SANDSTONE SLOPES OF 20-30%.	Other | Recreational use (non-ORV)	OFF TRAIL USE AND CHAMISE SUCCESSION.	11 PLANTS OBSERVED IN SINGLE COLONY IN 1989; 11 PLANTS IN 3 NEW COLONIES IN 1990.	EBRPD-BLACK DIAMOND MINES RP	9/30/1999 0:00	Antioch South (3712187)	10	601031	4199745
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	18	41703	41703	19900415	19900415	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	700	37.94081	-121.82592	Zone-10 N4199898 E603165	T01N, R01E, Sec. 11, SE (M)	RIDGE BETWEEN THE HEAD OF LONE TREE VALLEY AND DEER VALLEY, ABOUT 0.8 MILE WEST OF WEST HARTLEY, NE OF MOUNT DIABLO.	SEVERAL COLONIES MAPPED WITHIN TWO POLYGONS WITHIN THE SE 1/4 SE 1/4 SECTION 11.	PINE-CHAPARRAL WITH ARCTOSTAPHYLOS MANZANITA, PINUS SABINIANA, ERIODICTYON CALIFORNICUM, SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, HETEROMELES ARBUTIFOLIA, AND ERIOGONUM LATIFOLIUM. ON SANDSTONE E AND NE-SLOPES.	Development | Grazing | Road/trail construction/maint. | Improper burning regime	IMPROPER FIRE REGIME, ROAD MAINTENANCE, GRAZING, RESIDENTIAL DEVELOPMENT.	550+ PLANTS OBSERVED IN 1990.	EBRPD-BLACK DIAMOND MINES RP	9/30/1999 0:00	Antioch South (3712187)	10	603165	4199898
Arctostaphylos auriculata	Mt. Diablo manzanita	Dicots	PDERI04040	None	None	G2	S2	1B.3	SB_UCSC-UC Santa Cruz	19	41704	41704	19890317	19890317	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	750	37.94706	-121.8414	Zone-10 N4200574 E601796	T01N, R01E, Sec. 10, NE (M)	SLOPE BEHIND (NORTH OF) STEWARTVILLE (SITE), NE OF MOUNT DIABLO.	SEVERAL COLONIES MAPPED AS 4 POLYGONS MOSTLY WITHIN THE S 1/2 NE 1/4 SECTION 10 AND INTO THE SW 1/4 NW 1/4 SECTION 11.	MOSTLY IN CHAPARRAL AND PINE/CHAPARRAL WITH ARCTOSTAPHYLOS MANZANITA, PINUS SABINIANA, P. COULTERI, ADENOSTOMA FASCICULATUM, ERIOGONUM LATIFOLUIM, ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, ET AL. MIDDLE COLONY ON BARE MINE TAILINGS.	Grazing | Road/trail construction/maint. | Improper burning regime | Recreational use (non-ORV)	IMPROPER FIRE REGIME, TRAIL MAINTENANCE, OFF-TRAIL USE, AND GRAZING.	1000+ PLANTS OBSERVED IN 1989. MOST PLANTS IN E-POLYGON, ABOUT 50 PLANTS TOTAL IN THE W-COLONIES.	EBRPD-BLACK DIAMOND MINES RP	9/30/1999 0:00	Antioch South (3712187)	10	601796	4200574
Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	29	41843	41843	19990508	19990508	N	D-Poor	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	875	37.88848	-121.85934	Zone-10 N4194055 E600300	T01N, R01E, Sec. 33, SE (M)	MOUNTAIN MEADOW PHASE II DEVELOPMENT SITE, 0.7 MILE NE OF MORGAN TERRITORY SCHOOL, EAST OF MOUNT DIABLO STATE PARK.	MAPPED WITHIN THE NE 1/4 SE 1/4 SECTION 33.	UNDER QUERCUS AGRIFOLIA IN DEEP SHADE WITH TOXICODENDRON DIVERSILOBUM. ROCKY NORTH SLOPE.	Development | Grazing	CURRENTLY GRAZED BY CATTLE; AREA PROPOSED FOR RESIDENTIAL LOTS.	1 FLOWERING PLANT SEEN IN 1999. MORE PLANTS MAY HAVE BEEN PRESENT BUT NOT FLOWERING DUE TO GRAZING.	PVT	11/5/1999 0:00	Antioch South (3712187)	10	600300	4194055
Centromadia parryi ssp. congdonii	Congdon's tarplant	Dicots	PDAST4R0P1	None	None	G3T2	S2	1B.1	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	46	42352	42352	19981009	19981009	N	B-Good	Presumed Extant	Specific bounded area	20	Stable	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	760	37.76702	-121.79566	Zone-10 N4180648 E606073	T02S, R02E, Sec. 07, S (M)	ALONG HIGHLAND ROAD ABOUT 0.5 MILE NORTH OF CONTRA COSTA/ALAMEDA COUNTY LINE, NORTH OF LIVERMORE.	MAPPED ALONG EAST SIDE OF ROAD ALONG SECTION LINE BETWEEN SECTIONS 7 AND 18. SE 1/4 OF SW 1/4 OF SECTION 7.	SWALE WITHIN AN ANNUAL GRASSLAND. SOILS MAPPED AS DIABLO CLAY.	Grazing	RANGELAND.	640 PLANTS OBSERVED IN 1998.	PVT	2/7/2000 0:00	Tassajara (3712177)	10	606073	4180648
Centromadia parryi ssp. congdonii	Congdon's tarplant	Dicots	PDAST4R0P1	None	None	G3T2	S2	1B.1	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	47	42353	42353	20110620	20110620	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Alameda | Contra Costa	Tassajara (3712177)	750	37.76449	-121.81035	Zone-10 N4180351 E604783	T02S, R01E, Sec. 13 (M)	VICINITY OF COLLIER CANYON AND MANNING ROAD ALONG THE CONTRA COSTA/ALAMEDA COUNTY LINE, NORTH OF LIVERMORE.	ALONG BOTH SIDES OF COLLIER CANYON ROAD ABOUT 0.5 MILE NORTH AND SOUTH OF JUNCTION WITH MANNING ROAD, AND ALONG MANNING ROAD UP TO ABOUT 1 MILE FROM JUNCTION WITH COLLIER CANYON ROAD. SITE CONTAINS THE EAGLE RIDGE PRESERVE MITIGATION BANK.	ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, CENTAUREA SOLSTITIALIS, PICRIS ECHIOIDES, AND DISTICHLIS SPICATA. ALONG VALLEY BOTTOM, LOWER SLOPES, AND SADDLES. SOILS MAPPED AS CROPLEY CLAY AND CLEAR LAKE CLAY.	Grazing	OVERGRAZING IS A THREAT.	321,000 PLANTS OBSERVED IN 1998. UNKNOWN NUMBER OF PLANTS OBSERVED BY C. THAYER DURING OBSERVATION BETWEEN 2000 AND 2003. 784 PLANTS OBSERVED IN 2011 AT SE END OF POLYGON.	PVT	8/31/2011 0:00	Tassajara (3712177)	10	604783	4180351
Centromadia parryi ssp. congdonii	Congdon's tarplant	Dicots	PDAST4R0P1	None	None	G3T2	S2	1B.1	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	48	42354	42354	19981009	19981009	N	B-Good	Presumed Extant	Specific bounded area	20	Stable	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	650	37.77677	-121.84275	Zone-10 N4181678 E601912	T02S, R01E, Sec. 10, NE (M)	ALONG HIGHLAND ROAD BETWEEN COLLIER CANYON ROAD AND CAMINO TASSAJARA, NORTH OF PLEASANTON.	SOUTH OF HIGHLAND ROAD ABOUT 0.7-1.3 MILES EAST OF CAMINO TASSAJARA. IN THE NE 1/4 OF SECTION 10 AND THE NW 1/4 OF SECTION 11.	ANNUAL GRASSLAND. SOILS MAPPED AS CROPLEY CLAY.	Grazing	RANGELAND.	7200 PLANTS OBSERVED IN 1998.	PVT	2/7/2000 0:00	Tassajara (3712177)	10	601912	4181678
Centromadia parryi ssp. congdonii	Congdon's tarplant	Dicots	PDAST4R0P1	None	None	G3T2	S2	1B.1	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	49	42355	42355	20120801	20120801	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	580	37.76833	-121.86577	Zone-10 N4180716 E599896	T02S, R01E, Sec. 09, E (M)	TASSAJARA ROAD, NORTH AND SOUTH OF ITS JUNCTION WITH HIGHLAND ROAD, NORTH OF PLEASANTON.	MAPPED BY CNDDB AS 12 POLYGONS ACCORDING TO A 1998 PRESTON MAP (SOUTH-MOST POLYGON) AND COORDINATE INFORMATION FROM SYCAMORE ASSOCIATES IN THE EASTERN HALF OF SECTION 9 EXTENDING SOUTH INTO SECTION 16.	NON-NATIVE ANNUAL GRASSLAND AND ALKALI GRASSLAND WITH LOLIUM MULTIFLORUM, CENTAUREA SOLSTITIALIS, RUMEX CRISPUS, R. PULCHER, ATRIPLEX ROSEA, AND LEPIDIUM LATIFOLIUM. SOILS MAPPED AS CROPLEY CLAY AND CONEJO CLAY LOAM.	Grazing	CATTLE GRAZING.	63,000 PLANTS IN S-MOST POLYGON IN 1998. 2800 PLANTS IN 2002 (MIDDLE PORTION OF SITE); HYBRIDS (C. PARRYI X PUNGENS) ALSO OBSERVED. 1000S OF PLANTS IN 2005 (N PORTION OF SITE). 1000+ BETW EO #S 49 & 51 IN 2012. INCLUDES FORMER OCC #50.	PVT	3/22/2019 0:00	Tassajara (3712177)	10	599896	4180716
Centromadia parryi ssp. congdonii	Congdon's tarplant	Dicots	PDAST4R0P1	None	None	G3T2	S2	1B.1	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	51	42357	42357	20120727	20120727	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177) | Diablo (3712178)	750	37.79964	-121.87329	Zone-10 N4184183 E599192	T01S, R01E, Sec. 33, SW (M)	CAMINO TASSAJARA, ABOUT 0.5 MILE WEST OF JUNCTION WITH FINLEY ROAD, NORTH OF PLEASANTON.	MAPPED MOSTLY NORTH OF ROAD IN THE SW 1/4 OF SECTION 33.	ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, PICRIS ECHIOIDES, AND BELLARDIA TRIXAGO. IN SWALES AND ON FLATS ON SOILS MAPPED AS CLEAR LAKE CLAY.	Development	CATTLE GRAZING, BUT DOES NOT APPEAR TO BE A THREAT. THREATENED BY FUTURE DEVELOPMENT.	72,000 PLANTS OBSERVED IN 1998. 10,000+ PLANTS OBSERVED IN 2005. 1000+ PLANTS SEEN BETWEEN EO #S 49 & 51 IN 2012.	PVT	3/22/2019 0:00	Tassajara (3712177)	10	599192	4184183
Lasthenia conjugens	Contra Costa goldfields	Dicots	PDAST5L040	Endangered	None	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	8	42501	10572	18950407	1921XXXX	N	X-None	Extirpated	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187) | Antioch North (3812117)	50	38.00282	-121.803	Zone-10 N4206803 E605091	T02N, R02E, Sec. 19 (M)	ANTIOCH.	EXACT LOCATION NOT KNOWN; MAPPED IN AREA OF ANTIOCH.	DESCRIBED VARIOUSLY AS "PLAIN NEAR TOWN," "ALONG RIVER," AND "MOIST AREAS."	Development	AREA DEVELOPED, NOW PRESUMED EXTIRPATED.	OCCURRENCE IS BASED ON HISTORIC COLLECTIONS FROM 1869, 1887, AND 1895. AREA SEARCHED IN 1921, BUT NO PLANTS SEEN.	UNKNOWN	9/4/2018 0:00	Antioch North (3812117)	10	605091	4206803
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	70	42665	42665	199809XX	199809XX	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	800	37.91918	-121.81726	Zone-10 N4197507 E603957	T01N, R01E, Sec. 24, N (M)	RODDY RANCH, SLOPES ON SOUTH EDGE OF DEER VALLEY, ABOUT 1.4 MILES SOUTH OF WEST HARTLEY (SITE), SOUTH OF ANTIOCH.	10 COLONIES ON SLOPES ON SOUTHWEST EDGE OF DEER VALLEY. MAPPED WITHIN THE NORTH HALF OF SECTION 24.	CHAPARRAL AND OPEN BLUE OAK WOODLAND.	Grazing | Improper burning regime	HEAVILY GRAZED. CHAPARRAL IS SENESCENT DUE TO FIRE SUPPRESSION.	IN 1998, FROM WEST TO EAST: 27 PLANTS, 32 PLANTS, 6 PLANTS, 2 PLANTS, 1 PLANT, 47 PLANTS, 2 PLANTS, 2 PLANTS, AND 16 PLANTS. TOTAL OF 136 PLANTS OBSERVED. THE RARE GALIUM ANDREWSII SSP. GATENSE ALSO OCCURS IN THIS VICINITY.	PVT	3/30/2000 0:00	Antioch South (3712187)	10	603957	4197507
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	71	42666	42666	199809XX	199809XX	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	600	37.91499	-121.80004	Zone-10 N4197062 E605476	T01N, R02E, Sec. 19, SW (M)	RODDY RANCH, SLOPES ON SOUTH EDGE OF DEER VALLEY, ABOUT 1.9 MILES SSE OF WEST HARTLEY (SITE), SOUTH OF ANTIOCH.	3 COLONIES ON SLOPES ABOVE DEER VALLEY. NORTHWEST COLONY MAPPED WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 19; CENTRAL AND EASTERN COLONIES MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 19.	CHAPARRAL AND OPEN BLUE OAK WOODLAND.	Grazing | Improper burning regime	HEAVILY GRAZED. CHAPARRAL IS SENESCENT DUE TO FIRE SUPPRESSION.	IN 1998, FROM WEST TO EAST: 1 PLANT, 12 PLANTS, AND 23 PLANTS. THE RARE GALIUM ANDREWSII SSP. GATENSE ALSO OCCURS AT THE EASTERNMOST COLONY.	PVT	3/30/2000 0:00	Antioch South (3712187)	10	605476	4197062
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		147	43662	43662	19920616	19920616	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Solano	Antioch North (3812117)	5	38.06232	-121.87017	Zone-10 N4213332 E599113	T03N, R01E, Sec. 33, NE (M)	EAST END OF VAN SICKLE ISLAND, ABOUT 0.5 MILE SOUTHWEST OF SPINNER ISLAND, SUISUN BAY.	SINGLE COLONY MAPPED JUST NE OF LIGHT ALONG SHORE OF ISLAND.				ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL.	UNKNOWN	8/31/2000 0:00	Antioch North (3812117)	10	599113	4213332
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		158	46368	46368	20090915	20090915	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	0	37.95057	-121.53188	Zone-10 N4201347 E628986	T01N, R04E, Sec. 10 (M)	MIDDLE RIVER, BETWEEN BACON ISLAND AND LOWER JONES TRACT, ~0.4 TO 1 MILE NORTH OF CONFLUENCE WITH MOKELUMNE AQUEDUCT.	MAPPED BY CNDDB AS 11 POLYGONS ACCORDING TO 2010 DWR DIGITAL DATA.	EXPOSED TIDAL MUD FLAT WITH JUNCUS EFFUSUS AND SCIRPUS. OTHER PLANTS ASSOCIATED WITH POPULATION ON BACON ISLAND INCLUDE PASPALUM DILATATUM, VERBENA HASTATA, RUMEX CRISPUS, AND HYDROCOTYLE SP.	Non-native plant impacts | Altered flood/tidal/hydrologic regime | Other | Vandalism/dumping/litter | Erosion/runoff | Recreational use (non-ORV) | Waterway bank protection/maintenance	FLOOD CONTROL PROJECTS, WIDENING OF CHANNELS, RECREATIONAL DEVELOPMENT, DREDGING/DUMPING OF SPOILS, EXOTICS, BOAT WAKES.	ONE CLUMP OBSERVED IN 2000 AND 2002 IN THE NW 1/4 OF THE NW 1/4 OF SECTION 10. MANY SMALL, DENSE PATCHES OBSERVED IN 2009.	PVT-DELTA WETLANDS CO	12/22/2010 0:00	Woodward Island (3712185)	10	628986	4201347
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		160	46379	46379	20170706	20170706	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	10	38.01667	-121.79629	Zone-10 N4208348 E605661	T02N, R02E, Sec. 18, S (M)	STAMM UNIT OF ANTIOCH DUNES NWR, ANTIOCH DUNES, NORTH OF ANTIOCH.	SEVERAL SITES ALONG SHORELINE. MAPPED AS SEVERAL POLYGONS ACCORDING TO A 2001 LAKE MAP AND 2017 MATHERS COORDINATES.	ALONG SHORELINE. SANDY AND MUDDY BANKS OFTEN NEAR URBANITE PILES, MIXED WITH JUNCUS BALTICUS, SCIRPUS CERNUUS, SYMPHYOTRICHUM LENTUM, HYDROCOTYL, AND OFTEN LIMOSELLA.			MANY PLANTS OBSERVED IN 2001. SEVEN PATCHES OBSERVED IN 2017. RARE ASSOCIATES INCLUDE LIMOSELLA SUBULATA, LATHYRUS JEPSONII VAR. JEPSONII, AND ASTER LENTUS.	USFWS-ANTIOCH DUNES NWR	6/17/2020 0:00	Antioch North (3812117)	10	605661	4208348
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	119	46557	46557	20030805	20030805	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	0	38.06253	-121.54903	Zone-10 N4213746 E627286	T03N, R04E, Sec. 33, W (M)	SOUTHWEST TIP OF VENICE ISLAND, FROM PRISONERS POINT EAST ABOUT 0.45 MILE, SAN JOAQUIN RIVER.	4 COLONIES MAPPED AS 2 POLYGONS BY CNDDB.	TIDAL MARSHES, ON LEVEE SLOPE AND ON PARTIALLY SUBMERGED PILINGS JUST ADJACENT TO LEVEE.	Erosion/runoff | Recreational use (non-ORV)	POSSIBLY AFFECTED BY HUMAN DISTURBANCE IN AREAS OF HIGH RECREATIONAL USE. EROSION A THREAT.	22 PLANTS OBSERVED IN BOTH POLYGONS IN 2000, AND 14 IN THE EASTERN POLYGON IN 2003.	UNKNOWN	11/19/2001 0:00	Bouldin Island (3812115)	10	627286	4213746
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	121	46560	46560	20090918	20090918	N	D-Poor	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.01359	-121.66037	Zone-10 N4208170 E617596	T02N, R03E, Sec. 17, SE (M)	SOUTHERN JERSEY ISLAND, NORTH SIDE OF DUTCH SLOUGH, APPROXIMATELY 0.6 TO 0.8 MILE WEST OF CONFLUENCE WITH TAYLOR SLOUGH.	MAPPED BY CNDDB AS 2 POLYGONS TO ENCOMPASS 1998 HOLLEY COORDINATES AND 2010 DWR DIGITAL DATA. IN THE SW 1/4 OF THE SW 1/4 OF SECTION 16 AND THE SE 1/4 OF THE SE 1/4 OF SECTION 17.	WESTERN POLYGON: NEAR THE BASE OF A LEVEE IN DISTURBED AREAS SUBJECT TO PERPETUAL TIDAL AND RECREATIONAL WAVE FORCES. EASTERN POLYGON: LEVEE RIPRAP WITH SCIRPUS.			UNKNOWN NUMBER OF PLANTS OBSERVED IN WESTERN POLYGON IN 1998. 1 PLANT OBSERVED IN EASTERN POLYGON IN 2009.	UNKNOWN	5/24/2011 0:00	Jersey Island (3812116)	10	617596	4208170
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	122	46565	46565	20010726	20010726	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Sacramento	Antioch North (3812117)	10	38.03298	-121.77309	Zone-10 N4210185 E607673	T02N, R02E, Sec. 08, E (M)	SOUTH SIDE OF SHERMAN ISLAND, NORTH OF DONLON ISLAND, NORTHEAST OF ANTIOCH.		IN SCRUB SHRUB COMMUNITY LOCATED ON WATERSIDE OF LEVEE SLOPE BORDERING THE SACRAMENTO RIVER.			SEVERAL PLANTS OBSERVED IN 2001 BETWEEN THIS OCCURRENCE AND OCCURRENCES #123.	DWR	11/27/2001 0:00	Antioch North (3812117)	10	607673	4210185
Symphyotrichum lentum	Suisun Marsh aster	Dicots	PDASTE8470	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_USDA-US Dept of Agriculture	123	46566	46566	20010726	20010726	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Sacramento	Antioch North (3812117)	10	38.03307	-121.76476	Zone-10 N4210204 E608403	T02N, R02E, Sec. 09, SW (M)	SOUTH SIDE OF SHERMAN ISLAND, NORTH OF EAST END OF DONLON ISLAND, NORTHEAST OF ANTIOCH.		IN SCRUB COMMUNITY LOCATED ON WATERSIDE OF LEVEE SLOPE BORDERING THE SACRAMENTO RIVER.			SEVERAL PLANTS OBSERVED IN 2001 BETWEEN THIS OCCURRENCE AND OCCURRENCES #122.	DWR-SHERMAN ISLAND	11/19/2001 0:00	Antioch North (3812117)	10	608403	4210204
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	60	49766	49766	19980730	19980730	N	X-None	Extirpated	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	25	37.8655	-121.62843	Zone-10 N4191778 E620642	T01S, R03E, Sec. 10, NE (M)	APPROXIMATELY 0.6 AIR MILE ESE OF BYRON.	MAPPED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 10.	ALKALI GRASSLAND WITH FRANKENIA, DISTICHLIS, ANNUAL GRASSES ON FLAT CLAY SOILS.	Agriculture | Grazing | Disking	SITE PREVIOUSLY GRAZED. 2012 AERIAL PHOTOS SHOW DISKING; NOW IRRIGATED PASTURE OR ALFALFA.	8,000 PLANTS OBSERVED IN 1998. BASED ON RECENT AERIAL PHOTOS, THIS OCCURRENCE HAS BEEN EXTIRPATED; SITE APPEARS TO HAVE BEEN DISKED AND IS NOW IRRIGATED PASTURE OR ALFALFA.	BYRON SANITARY DIST	6/7/2013 0:00	Byron Hot Springs (3712176)	10	620642	4191778
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	130	50129	50129	20000809	20000809	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Woodward Island (3712185)	0	37.98088	-121.62329	Zone-10 N4204587 E620905	T02N, R03E, Sec. 34, NE (M)	SAND MOUND SLOUGH 0.3 MILE NORTH OF ROCK SLOUGH, HOTCHKISS TRACT.	ALONG ROCKY LEVEE, WEST OF DELTA ROAD.	ALONG ROCKY LEVEE. NOT HEAVILY VEGETATED, WITH A FEW SCATTERED WILLOWS.	Altered flood/tidal/hydrologic regime | Other	ALTERATION OF HABITAT BY PUBLIC WORKS IMPROVEMENTS/MAINTENANCE OF LEVEES. MAY BE THREATENED BY INCREASED SALINITY.	ONE PLANT SEEN IN 2000.	UNKNOWN	2/11/2003 0:00	Woodward Island (3712185)	10	620905	4204587
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	134	50150	50150	20000802	20000802	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.0949	-121.58457	Zone-10 N4217290 E624113	T03N, R04E, Sec. 19, N (M)	WEBB TRACT, WEBB REACH ABOUT 0.5 MILE NORTHWEST OF WEBB POINT, SAN JOAQUIN RIVER.	ON UNDISTURBED ISLANDS AND SHORELINE AREAS, IN BACKWATER SLOUGHS OR CANALS.	THE TIDE RARELY, IF EVER COMPLETELY COVERS HIBISCUS.	Altered flood/tidal/hydrologic regime | Other	HABITAT ALTERED BY PUBLIC WORKS IMPROVEMENT (FLOOD CONTROL, WEED ERADICATION), MAY BE THREATENED BY INCREASED SALINITY.	UNKNOWN NUMBER OF PLANTS SEEN IN 2000.	UNKNOWN	2/11/2003 0:00	Bouldin Island (3812115)	10	624113	4217290
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	135	50151	50151	20020708	20120616	N	D-Poor	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115)	0	38.08947	-121.57808	Zone-10 N4216697 E624691	T03N, R04E, Sec. 19, SE (M)	EAST OF WEBB TRACT, 0.2 MILE SSE OF WEBB POINT ON ISLAND IN SAN JOAQUIN RIVER, SE OF RIO VISTA.	ON UNDISTURBED ISLANDS AND SHORELINE AREAS, IN BACKWATER SLOUGHS OR CANALS.	THE TIDE RARELY, IF EVER COMPLETELY COVERS HIBISCUS. ON ROCKY LEVEE SLOPES JUST ABOVE INTERTIDAL ZONE, EAST ASPECT. ASSOCIATES INCLUDE SCIRPUS ACUTUS AND VERBENA HASTATA.	Altered flood/tidal/hydrologic regime | Other | Erosion/runoff	HABITAT ALTERED BY PUBLIC WORKS IMPROVEMENT (FLOOD CONTROL, ETC). MAY BE THREATENED BY INCREASED SALINITY & EROSION.	UNKNOWN NUMBER OF PLANTS SEEN IN 2000. 1 PLANT SEEN TO WEST OF ORIGINAL SITE IN 2002. NO HIBISCUS SEEN ON SMALL ISLAND ON EAST SIDE OF WEBB ISLAND IN 2012; ISLAND MAY HAVE ERODED AWAY AS IT WAS MOSTLY UNDERWATER & DOMINATED BY SCIRPUS.	UNKNOWN	3/20/2013 0:00	Bouldin Island (3812115)	10	624691	4216697
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		33	50163	50163	20090818	20090818	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Clifton Court Forebay (3712175)	0	37.86818	-121.53859	Zone-10 N4192196 E628540	T01S, R04E, Sec. 04, SE (M)	VICTORIA CANAL; FROM ~0.5-1.1 MI NE OF GAGING STATION AT CONFLUENCE WITH OLD RIVER, BETWEEN VICTORIA AND UNION ISLANDS.	SEVERAL COLONIES ALONG INSTREAM ISLANDS IN THE MIDDLE OF THE CANAL. MAPPED AS SEVERAL POLYGONS BASED ON A 1997 WITZMAN FIELD SURVEY MAP AND 2010 DIGITAL DATA FROM CA DEPT OF WATER RESOURCES.	INSTREAM ISLAND WITH TYPHA LATIFOLIA, SCIRPUS ACUTUS, CRASSULA AQUATICA, PASPALUM DILATATUM, HYDROCOTYLE VERTICILLATA, AND PHRAGMITES AUSTRALIS. ERODING MUDBANK ALONG CANAL. LILAEOPSIS MASONII OCCURS NEARBY.	Non-native plant impacts | Erosion/runoff | Recreational use (non-ORV)	BOAT WAKE EROSION, COMPETITION WITH DENSE PHRAGMITES ROOTS, AND WATER RECREATION.	PLANT SCATTERED WITHIN PATCHES ALONG INSTREAM ISLANDS IN 1997. POPULATION AREAS GIVEN FOR 2009; WESTERN LINE POLY HAD 25 SQ FT, CENTRAL POINT POLY HAD 1 SQ FT, EASTERN POLY HAD SMALL CLUMPS ON EDGE OF MUD, AND ONE 8 M PATCH OF PLANTS.	UNKNOWN	5/18/2011 0:00	Clifton Court Forebay (3712175)	10	628540	4192196
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		34	50164	50164	20090818	20090818	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Clifton Court Forebay (3712175)	0	37.86297	-121.55068	Zone-10 N4191602 E627485	T01S, R04E, Sec. 09, NW (M)	VICTORIA CANAL, ABOUT 0.1 MILE E OF GAGING STATION AT CONFLUENCE WITH OLD RIVER, BETWEEN VICTORIA AND UNION ISLANDS.	SCATTERED PATCHES ON INSTREAM ISLAND. MAPPED BASED ON A 1997 WITZMAN FIELD SURVEY MAP AND 2010 DIGITAL DATA FROM CA DEPT OF WATER RESOURCES.	INSTREAM ISLAND WITH CYPERUS ERAGROSTIS, SCIRPUS ACUTUS, TYPHA LATIFOLIA, CRASSULA AQUATICA, PASPALUM DILATATUM, IRIS PSEUDACORUS, HYDROCOTYLE SP., AND PHRAGMITES SP.	Erosion/runoff | Recreational use (non-ORV)	BOAT WAKE EROSION, WATER RECREATION.	PLANTS SCATTERED IN PATCHES ALONG INSTREAM ISLANDS IN 1997. 2 SQUARE FEET OF PLANTS OBSERVED IN 2009.	UNKNOWN	5/11/2011 0:00	Clifton Court Forebay (3712175)	10	627485	4191602
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		35	50165	50165	20090901	20090901	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Holt (3712184) | Woodward Island (3712185)	0	37.88555	-121.49704	Zone-10 N4194181 E632164	T01N, R04E, Sec. 36, S (M)	VICTORIA CANAL, ABOUT 0.4-1.1 MI SW OF UNION POINT AT CONFLUENCE WITH MIDDLE RIVER, BETWEEN VICTORIA AND UNION ISLANDS.	SCATTERED PATCHES ON INSTREAM ISLAND. MAPPED AS SEVERAL POLYGONS BASED ON 1997 WITZMAN FIELD SURVEY MAPS AND 2010 DIGITAL DATA FROM CA DEPT OF WATER RESOURCES.	INSTREAM ISLAND WITH SCIRPUS ACUTUS, PHRAGMITES AUSTRALIS, CRASSULA AQUATICA, TYPHA LATIFOLIA, POLYGONUM SPP., HYDROCOTYLE VERTICILLATA AND CYPERUS ERAGROSTIS. ERODING MUDBANK ON NORTH SIDE OF ISLAND ALONG VICTORIA CANAL.	Erosion/runoff | Recreational use (non-ORV)	BOAT WAKE EROSION, WATER RECREATION.	TWO PATCHES SEEN IN EAST POLYS AND THREE SCATTERED PATCHES SEEN IN WEST POLYS IN 1997. MIDDLE POLYS MADE UP OF DENSE PATCHES OF 100 SQ CM, AND 3 SQ M, BOTH INTERMIXED WITH LILAEOPSIS MASONII AND OBSERVED IN 2009. FORMER EO# 37 LUMPED HERE.	UNKNOWN	5/11/2011 0:00	Holt (3712184)	10	632164	4194181
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		36	50166	50166	20090819	20090819	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	San Joaquin	Woodward Island (3712185)	0	37.93272	-121.52868	Zone-10 N4199371 E629298	T01N, R04E, Sec. 15, SW (M)	CHANNEL ISLAND IN MIDDLE RIVER; 0.7 AIR MI SOUTH OF RINDGE SCHOOL, EAST OF WOODWARD ISLAND.	ALONG CHANNEL ISLAND. TWO POPULATIONS MAPPED AS ONE POLYGON BY CNDDB.	ALONG CHANNEL ISLAND ABOVE THE LOW TIDE MARK WHERE POPULATIONS ARE INUNDATED DURING EACH TIDAL CYCLE. FORMS SMALL TUFTED MATS GROWING FROM RHIZOMES. ASSOCIATED WITH HYDROCOTYLE, TYPHA, SCIRPUS, AND JUNCUS EFFUSUS.	Foot traffic/trampling | Erosion/runoff | Degraded water quality | Recreational use (non-ORV)	TRAMPLING, EROSION BY WAVE & WAVE ATTENUATION, & POSSIBLY BY SEA LEVEL RISING, WATER QUALITY DEGRADATION, WATER REC.	TWO POPULATIONS SEEN IN 2000, THE FIRST WAS FOUND WITH SOME PLANTS FLOWERING. THREE POPULATIONS SEEN IN 2009; ONE PATCH OF 52 SQ FT MIXED WITH HYDROCOTYLE SP., ONE OF 3 SQ FT, AND ONE OF 15 SQ FT IN AREA.	UNKNOWN	5/18/2011 0:00	Woodward Island (3712185)	10	629298	4199371
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		38	50168	50168	20011102	20011102	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	10	38.0065	-121.51461	Zone-10 N4207577 E630405	T02N, R04E, Sec. 23, NW (M)	WINDWARD SIDE OF ISLAND IN MIDDLE RIVER, WEST OF MCDONALD ISLAND AND WHISKEY SLOUGH.	ON WINDWARD SIDE OF CHANNEL ISLAND.	DELTA ISLAND. RIPARIAN HABITAT WITH CRASSULA AQUATICA, HYDROCOTYLE, JUNCUS ACUTUS, PHRAGMITES, AND WILLOWS.	Erosion/runoff | Recreational use (non-ORV)	EROSION FROM BOAT TRAFFIC.	SMALL POPULATION SEEN IN 2001. HABITAT NOT BAD, BUT SIZE OF POPULATION IS SMALL, LESS THAN 3 SQUARE METERS IN SIZE.	UNKNOWN	2/12/2003 0:00	Bouldin Island (3812115)	10	630405	4207577
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		39	50169	50169	19980717	19980717	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	1	38.02427	-121.8376	Zone-10 N4209145 E602023	T02N, R01E, Sec. 14, NW (M)	MUDFLAT AT OUTFALL OF LOS MEDANOS WASTEWAY IN SAN JOAQUIN RIVER DELTA, WEST OF ANTIOCH.	MUDFLAT OUTSIDE OF LEVEE PROTECTING DOW WETLAND PRESERVE.	MUDFLAT WITH TIDAL INFLUENCE. SOME SCIRPUS, AND TYPHA PRESENT. DUCK FORAGE AREA.		NONE KNOWN.	IN 1998, MORE THAN 10 PLANTS SEEN IN A 1 M X 1 M AREA.	PVT-DOW CHEMICAL	2/12/2003 0:00	Antioch North (3812117)	10	602023	4209145
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		40	50170	50170	20010526	20010526	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	1	38.01697	-121.79761	Zone-10 N4208380 E605544	T02N, R02E, Sec. 18, SW (M)	STAMM UNIT OF ANTIOCH DUNES NWR, ANTIOCH DUNES, NORTH OF ANTIOCH.					IN 2001 MANY PLANTS SEEN BY LAKE. THE RARE LILAEOPSIS MASONII, ASTER LENTUS, AND LATHYRUS JEPSONII ALSO OCCUR AT THIS SITE.	USFWS-ANTIOCH DUNES NWR	2/12/2003 0:00	Antioch North (3812117)	10	605544	4208380
Limosella australis	Delta mudwort	Dicots	PDSCR10030	None	None	G4G5	S2	2B.1		41	50171	50171	20010414	20010414	N	D-Poor	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	0	38.01486	-121.78375	Zone-10 N4208161 E606763	T02N, R02E, Sec. 17, SW (M)	SARDIS UNIT OF ANTIOCH DUNES, SOUTH OF WEST ISLAND, EAST EDGE OF ANTIOCH.	SAND BANK ON SOUTH SIDE OF RIVER. EAST OF WATER TOWER.	TIDAL AREA. IN LARGE PATCH OF LILAEOPSIS MASONII WITH SOME SCIRPUS CERNUUS AND TRIGLOCHIN SPP.			1 PLANT SEEN IN 2001.	USFWS-ANTIOCH DUNES NWR	2/12/2003 0:00	Antioch North (3812117)	10	606763	4208161
Potamogeton zosteriformis	eel-grass pondweed	Monocots	PMPOT03160	None	None	G5	S3	2B.2		7	50796	50796	19490707	19490707	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Bouldin Island (3812115) | Jersey Island (3812116)		38.08051	-121.60915	Zone-10 N4215661 E621981	T03N, R03E, Sec. 25 (M)	WEBB ISLAND, SACRAMENTO DELTA PEAT LANDS.	EXACT LOCATION UNKNOWN; MAPPED AS BEST GUESS AROUND WEBB ISLAND.				ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1949 COLLECTION BY NOBS & SMITH. NEEDS FIELDWORK.	UNKNOWN	3/27/2003 0:00	Bouldin Island (3812115)	10	621981	4215661
Amsinckia grandiflora	large-flowered fiddleneck	Dicots	PDBOR01050	Endangered	Endangered	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	2	51004	51004	188705XX	188705XX	N	X-None	Extirpated	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)		37.94004	-121.8326	Zone-10 N4199805 E602579	T01N, R01E, Sec. 11 (M)	JUDSONVILLE.	JUDSONVILLE WAS A LATE 1800'S COAL-MINING CAMP ON THE NE SLOPE OF MOUNT DIABLO. MAPPED AS BEST GUESS BY CNDDB FROM HISTORICAL REFERENCES TO THIS SITE NEAR WEST HARTLEY, E OF BLACK DIAMOND REGIONAL PARK.				ACCORDING TO 1969 SURVEY BY KNIGHT, PLANT IS EXTIRPATED FROM THIS AREA. JUDSONVILLE AND OTHER TOWN SITES ARE NOW PROTECTED WITHIN BLACK DIAMOND REGIONAL PARK.	EBRPD-BLACK DIAMOND MINES RP	4/16/2003 0:00	Antioch South (3712187)	10	602579	4199805
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	38	51040	51040	19780917	19780917	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176) | Brentwood (3712186)		37.86644	-121.66291	Zone-10 N4191838 E617608	T01S, R03E, Sec. 08, NE (M)	BYRON.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB WEST OF BYRON ALONG CAMINO DIABLO IN THE NE 1/4 OF SECTION 8.				ONLY SOURCE OF INFORMATION IS A 1978 DEAN COLLECTION. NEEDS FIELDWORK.	UNKNOWN	4/18/2003 0:00	Byron Hot Springs (3712176)	10	617608	4191838
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	39	51041	51041	20090902	20090902	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	600	37.95339	-121.82623	Zone-10 N4201293 E603120	T01N, R01E, Sec. 11, NE (M)	HILLS WEST OF LOAN TREE VALLEY, WEST OF STEWARTVILLE TRAIL, NORTH OF SAND CREEK, BLACK DIAMOND MINES REGIONAL PRESERVE.	MAPPED AS A SERIES OF 3 SMALL POLYGONS LOCATED PRIMARILY IN THE SE 1/4 OF THE SE 1/4 OF SECTION 2 AND IN THE NE 1/4 OF THE NE 1/4 OF SECTION 11.	N-FACING SLOPE, IN DEEPLY CRACKED SOIL. ASSOCIATED WITH LOLIUM MULTIFLORUM, EPILOBIUM BRACHYCARPUM, LAGOPHYLLA RAMOSISSIMA, AND GRINDELIA CAMPORUM.			SEVERAL THOUSAND PLANTS IN 2001. 482 PLANTS IN NORTHERN PART OF CENTER POLYGON IN 2009. INCLUDES 1883 CURRAN COLLECTION FROM "ANTIOCH; NEAR JUDSONVILLE" & 1999 ERTTER COLLECTION FROM "BLACK DIAMOND MINES RP, E END OF RIDGE TRAIL."	EBRPD-BLACK DIAMOND MINES RP	9/26/2017 0:00	Antioch South (3712187)	10	603120	4201293
Eryngium racemosum	Delta button-celery	Dicots	PDAPI0Z0S0	None	Endangered	G1	S1	1B.1		33	51503	51503	19981009	20080918	N	X-None	Possibly Extirpated	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Woodward Island (3712185)	5	37.90678	-121.6109	Zone-10 N4196382 E622116	T01N, R03E, Sec. 26, NE (M)	NEAR DISCOVERY BAY WEST, JUST SOUTH OF EASTERN TEMINUS OF POINT OF TIMBER ROAD AND WEST OF KELLOGG CREEK.	SMALL COLONY MAPPED PRIMARILY IN THE SW 1/4 OF THE NE 1/4 OF SECTION 26.	ALKALI WETLAND HABITAT ADJACENT TO KELLOGG CREEK (IN FLOODPLAIN). PLANTS WITHIN GRAZED GRASSLAND WITH ALLENROLFEA OCCIDENTALIS, FRANKENIA SALINA, LYTHRUM SP., DISTICHLIS SPICATA, CRESSA TRUXILLENSIS & HORDEUM MARINUM SSP. GUSSONEANUM.	Altered flood/tidal/hydrologic regime | Disking	EXPANSION OF WATERWAYS COULD IMPACT THIS POPULATION. OBSERVER STATES GRAZING COULD BE BENEFICIAL. FIELD DISKED IN 2008.	1,500 INDIVIDUALS OBSERVED IN 1998. FIELD DISKED IN 2008, NO VEGETATION LEFT; PROPERTY WAS NOT ENTERED FOR THIS OBSERVATION, BUT IT IS LIKELY THE POPULATION HAS BEEN EXTIRPATED.	UNKNOWN	6/17/2011 0:00	Woodward Island (3712185)	10	622116	4196382
Erysimum capitatum var. angustatum	Contra Costa wallflower	Dicots	PDBRA16052	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	3	51508	51508	19941023	19941023	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	10	38.01786	-121.76861	Zone-10 N4208512 E608088	T02N, R02E, Sec. 16, NW (M)	SOUTHERN BANK OF SAN JOAQUIN RIVER, NORTH OF WILBUR AVE, EAST OF ANTIOCH. APPROXIMATELY 0.8 AIR MILE WSW OF MARINA.	SMALL COLONY MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 16.	NORTH-FACING SLOPE OF SAND BANK TOP, INTRODUCED GRASSES & HERBS. ASSOCIATED WITH ESCHSCHOLZIA CALIFORNICA, AVENA, VICIA, ARTEMISIA DOUGLASII, AND ELYMUS TRITICOIDES.	Development | Disking	SITE DEVELOPMENT, GRADING.	500 INDIVIDUALS OBSERVED IN 1992, OVER 100 PLANTS IN 1994.	PVT-GAYLORD CONTAINER CORP	6/10/2003 0:00	Antioch North (3812117)	10	608088	4208512
Oenothera deltoides ssp. howellii	Antioch Dunes evening-primrose	Dicots	PDONA0C0B4	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	10	51824	51824	20120828	20120828	N	D-Poor	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch North (3812117)	15	38.01661	-121.76673	Zone-10 N4208375 E608255	T02N, R02E, Sec. 16, SW (M)	EAST ANTIOCH, SOUTH OF SAN JOAQUIN RIVER OPPOSITE WEST ISLAND, APPROXIMATELY 0.9 AIR MILE WSW OF ANTIOCH BRIDGE.	PLANTS LOCATED ALONG EASTERN BORDER OF GAYLORD CONTAINER CORP PROPERTY, WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 16.	DISTURBED STABILIZED DUNES. SANDY SUBSTRATE WITH ROW OF EUCALYPTUS TREES. LOTS OF RUDERAL SPECIES ALSO PRESENT.	Development	DEVELOPMENT.	24 PLANTS OBSERVED IN 1992. UNKNOWN NUMBER OF PLANTS OBSERVED IN VICINITY IN 2012.	PVT-GAYLORD CONTAINER CORP	9/12/2013 0:00	Antioch North (3812117)	10	608255	4208375
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	133	55743	55727	19900811	19900811	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Sacramento	Jersey Island (3812116)	10	38.05522	-121.69433	Zone-10 N4212747 E614550	T03N, R02E, Sec. 31, SW (M)	SOUTHEAST END OF SHERMAN ISLAND, GALLAGHER SLOUGH, NORTH BANK OF SAN JOAQUIN RIVER OPPOSITE JERSEY POINT.	NEAR THE CROSSING OF HIGH-VOLTAGE ELECTRICAL TRANSMISSION LINES.	MUDDY LEVEE MARGIN BORDERING MARSH.			ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS 1990 COLLECTION BY TAYLOR.	UNKNOWN	6/4/2004 0:00	Jersey Island (3812116)	10	614550	4212747
Hibiscus lasiocarpos var. occidentalis	woolly rose-mallow	Dicots	PDMAL0H0R3	None	None	G5T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | SB_UCBG-UC Botanical Garden at Berkeley	138	56935	56919	20020826	20020826	N	C-Fair	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	San Joaquin	Bouldin Island (3812115)	0	38.11284	-121.58216	Zone-10 N4219284 E624294	T03N, R04E, Sec. 07, SE (M)	WESTERN EDGE OF BOULDIN ISLAND, ON WEST SIDE LEVEE ROAD, APPROXIMATELY 0.9 MILE SOUTH OF HIGHWAY 12.	MAPPED ON THE EAST SIDE OF THE MOKELUMNE RIVER AT THE MILE 2 MARKER, WITHIN THE (ESTIMATED) SW 1/4 OF THE SE 1/4 OF SECTION 7.	GROWING IN INTERTIDAL AREA WITHIN DENSE PATCH OF SCIRPUS ACUTUS.			6 PLANTS OBSERVED IN 2002.	PVT-DELTA WETLANDS CO	9/22/2004 0:00	Bouldin Island (3812115)	10	624294	4219284
Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	30	57090	82485	20020413	20020413	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1600	37.83136	-121.80493	Zone-10 N4187778 E605164	T01S, R02E, Sec. 19, W (M)	MORGAN TERRITORY ROAD, ABOUT 1.2 AIR MI NNE OF VABM 2581, BLACK HILLS.	MAPPED BASED ON 2010 EAST BAY REGIONAL PARKS DISTRICT DIGITAL DATA.				UNKNOWN NUMBER OF PLANTS SEEN IN 2002. A 1935 BELSHAW COLLECTION FROM "~10 MI N OF LIVERMORE ON LIVERMORE-CLAYTON RD, JUST N OF CREST" & 1985 ANDERSON COLLECTION FROM "MORGAN TERRITORY RD, 5.8 MI FROM HIGHLAND RD" ALSO ATTRIBUTED HERE.	EBRPD-MORGAN TERRITORY RP	12/14/2017 0:00	Tassajara (3712177)	10	605164	4187778
Cryptantha hooveri	Hoover's cryptantha	Dicots	PDBOR0A190	None	None	GH	SH	1A		4	57196	A4191	19080416	19080416	N	X-None	Possibly Extirpated	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa | Sacramento	Antioch South (3712187) | Antioch North (3812117)		38.00594	-121.78916	Zone-10 N4207166 E606302	T02N, R02E, Sec. 19 (M)	EAST OF ANTIOCH.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB TO INCLUDE AREA JUST EAST OF ANTIOCH. 1894 AND 1908 COLLECTIONS FROM "NEAR ANTIOCH" AND "ANTIOCH" ARE ALSO ATTRIBUTED TO THIS SITE.	SAND HILLS.	Development	POSSIBLY EXTIRPATED DUE TO DEVELOPMENT IN AREA SINCE DATE OF COLLECTION.	SITE BASED ON 1908 HELLER COLLECTION FROM "SAND HILLS EAST OF ANTIOCH, 75 FT." CNPS MENTIONS A 1983 SIGHTING OF C. HOOVERI AT ANTIOCH DUNES BUT ORIGINAL SOURCE OF THIS OBSERVATION IS UNCLEAR; POSSIBLY REFERENCING HISTORIC COLLECTION.	UNKNOWN	4/12/2017 0:00	Antioch North (3812117)	10	606302	4207166
Atriplex depressa	brittlescale	Dicots	PDCHE042L0	None	None	G2	S2	1B.2		68	60527	60491	XXXXXXXX	XXXXXXXX	N	U-Unknown	Presumed Extant	Circular feature with a 150 meter radius (1/10 mile)	40	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	210	37.93964	-121.77113	Zone-10 N4199830 E607981	T01N, R02E, Sec. 17, NE (M)	0.1 MILE E OF DEER VALLEY ROAD AT 1.25 MILES N OF BALFOUR ROAD, S OF ANTIOCH.	MAPPED JUST E OF DEER VALLEY ROAD SPANNING THE BORDER OF THE SE 1/4 SE 1/4 SECTION 8 AND NE 1/4 NE 1/4 SECTION 17. MAPPED ACCORDING TO DESCRIPTION BY LAKE REGARDING MAP IN SAND CREEK SPECIFIC PLAN EIR.				ONLY SOURCE OF INFORMATION IS UNDATED SITE NAME MENTION BY LAKE IN 2004. NEEDS FIELDWORK.	PVT	3/10/2005 0:00	Antioch South (3712187)	10	607981	4199830
Eriogonum truncatum	Mt. Diablo buckwheat	Dicots	PDPGN085Z0	None	None	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	4	60625	10572	188605XX	188605XX	N	X-None	Possibly Extirpated	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187) | Antioch North (3812117)		38.00282	-121.803	Zone-10 N4206803 E605091	T02N, R02E, Sec. 19 (M)	ANTIOCH.	MAPPED AS BEST GUESS BASED ON COLLECTION FROM "ANTIOCH" (CURRAN SN). EXACT LOCATION UNKNOWN.		Development	AREA HAS BEEN HIGHLY DEVELOPED SINCE COLLECTION WAS MADE; POSSIBLY EXTIRPATED.	ONLY SOURCE IS 1886 CURRAN COLLECTION. NEEDS FIELDWORK.	UNKNOWN	5/3/2017 0:00	Antioch North (3812117)	10	605091	4206803

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Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	108	99047	97685	20130515	20130515	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1200	37.86122	-121.84156	Zone-10 N4191049 E601900	T01S, R01E, Sec. 10, E (M)	ABOUT 1.5 AIR MILES WEST OF SYCAMORE SPRING, SOUTH OF MARSH CREEK SPRINGS.	MAPPED BY CNDDB AS 3 POLYGONS BASED ON NOMAD ECOLOGY DIGITAL DATA, IN THE EAST 1/2 OF SECTION 10.	COAST LIVE OAK AND BLUE OAK WOODLAND. MILLSHOLM SERIES SOILS. ASSOCIATED WITH TOXICODENDRON DIVERSILOBUM, ACHILLEA MILLEFOLIUM, ELYMUS GLAUCUS, CARDUUS PYCNOCEPHALUS, RHAMNUS ILICIFOLIA, STIPA LEPIDA, CHLOROGALUM POMERIDIANUM, ETC.			282 PLANTS OBSERVED IN 2013.	SAVE MOUNT DIABLO, PVT?	10/2/2015 0:00	Tassajara (3712177)	10	601900	4191049
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	110	99055	97691	20120509	20120509	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1000	37.92888	-121.85081	Zone-10 N4198547 E600994	T01N, R01E, Sec. 15, SE (M)	BLACK DIAMOND MINES REGIONAL PRESERVE; SOUTH SIDE OF OIL CANYON ABOUT 1.2 AIR MILES SOUTH OF STEWARTVILLE.	MAPPED BY CNDDB AS 4 POLYGONS ACCORDING TO NOMAD ECOLOGY DIGITAL DATA, IN THE FAR WEST 1/2 OF THE SE 1/4 OF SECTION 15.	OAK WOODLAND / SCRUB / GRASSLAND. IN PARTIAL SHADE ON STEEP SLOPES WITH NORTHERN AND WESTERN ASPECTS. LOS GATOS SOIL SERIES. ASSOCIATED WITH ERICAMERIA LINEARIFOLIA, ARTEMISIA CALIFORNICA, ERIOPHYLLUM LANATUM, BROMUS DIANDRUS, ETC.			62 PLANTS OBSERVED IN 2012.	EBRPD-BLACK DIAMOND MINES RP	10/5/2015 0:00	Antioch South (3712187)	10	600994	4198547
Helianthella castanea	Diablo helianthella	Dicots	PDAST4M020	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	111	99056	97692	20110502	20110502	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1257	37.93723	-121.87448	Zone-10 N4199448 E598902	T01N, R01E, Sec. 16, NW (M)	BLACK DIAMOND MINES REGIONAL PRESERVE (BARRON PROPERTY); NEAR HEAD OF OIL CANYON, ABOUT 1.5 AIR MI SW OF STEWARTVILLE.	MAPPED BY CNDDB ACCORDING TO NOMAD ECOLOGY DIGITAL DATA, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 16.	OAK WOODLAND / SCRUB / GRASSLAND. NE-FACING SLOPE (55 DEGREES). LOS GATOS LOAM SOIL. ASSOCIATED WITH MIMULUS AURANTIACUS, PTELEA CRENULATA, LOLIUM MULTIFLORUM, BROMUS HORDEACEUS, CLARKIA AFFINIS, TORILIS ARVENSIS, AVENA FATUA, ETC.			12 PLANTS OBSERVED IN 2011.	EBRPD-BLACK DIAMOND MINES RP	10/6/2015 0:00	Antioch South (3712187)	10	598902	4199448
Puccinellia simplex	California alkali grass	Monocots	PMPOA53110	None	None	G2	S2	1B.2	BLM_S-Sensitive	41	100209	98738	19580425	19580425	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Alameda	Altamont (3712166) | Byron Hot Springs (3712176)		37.74381	-121.66272	Zone-10 N4178233 E617820	T02S, R03E, Sec. 20 (M)	NEAR TOWN OF ALTAMONT, EAST OF LIVERMORE.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN THE GENERAL VICINITY OF ALTAMONT AND ALTAMONT PASS.	ON ALKALI. ASSOCIATED WITH SARCOBATUS AND JUNCUS BUFONIUS.			MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 1958 JENSEN COLLECTION. AN UNDATED DAVY COLLECTION FROM LIVERMORE PASS (VARIANT NAME FOR ALTAMONT PASS) IS ALSO ATTRIBUTED HERE. NEEDS FIELDWORK.	UNKNOWN	1/7/2016 0:00	Altamont (3712166)	10	617820	4178233
Puccinellia simplex	California alkali grass	Monocots	PMPOA53110	None	None	G2	S2	1B.2	BLM_S-Sensitive	44	100221	98748	20060403	20060403	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175)	50	37.82087	-121.61817	Zone-10 N4186840 E621618	T01S, R03E, Sec. 26, NW (M)	BYRON AIRPORT HABITAT MANAGEMENT AREA, ABOUT 1.9 AIR MILES SSE OF BYRON HOT SPRINGS, SOUTHWEST OF CLIFTON COURT FOREBAY.	MAPPED IN N 1/2 OF NW 1/4 OF SEC 26 BASED ON VEG COORDINATES. COLLECTIONS FROM "3.5 MI S OF BYRON," "(HIGHLINE REACH 12-15) NEAR BRUSHY CR, EMPTIES INTO CLIFTON CT FOREBAY" & "BYRON HOT SPRINGS RD, 1 MI S OF HOLEY ROAD" ATTRIBUTED HERE.	ALLENROLFEA DOMINATED STAND WITH SEVERAL SWALES AND ONE MAIN CHANNEL, ALL WITH FLOWING WATER. STAND IS LOW STATURE SUAEDA MOQUINII AND JUNCUS BUFONIUS, AND BISECTED BY BARREN CATTLE PATHS WITH A FAIR AMOUNT OF BARE GROUND PATCHES.			UNKNOWN NUMBER OF PLANTS OBSERVED DURING 2006 VEGETATION SURVEYS. 1968 CRAMPTON COLLECTION, 1986 MCCARTEN COLLECTION, AND 1990 TAYLOR COLLECTION ALSO ATTRIBUTED TO THIS SITE.	CCA COUNTY	1/8/2016 0:00	Clifton Court Forebay (3712175)	10	621618	4186840
Puccinellia simplex	California alkali grass	Monocots	PMPOA53110	None	None	G2	S2	1B.2	BLM_S-Sensitive	45	100223	98750	19860415	19860415	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Alameda	Clifton Court Forebay (3712175)	75	37.80035	-121.5979	Zone-10 N4184590 E623436	T01S, R03E, Sec. 36, SW (M)	1 MILE NORTHWEST OF TRACY SUBSTATION, ABOUT 0.33 MILE EAST OF BRAUNS RD, SOUTH OF FENCE ALONG CENTERLINE OF SECTION.	LIVERMORE TRANSMISSION LINE SURVEY. MAPPED BY CNDDB TO ENCOMPASS GIVEN TRS: T01S R04E NE 1/4 OF SW 1/4 OF SECTION 36.	ALKALINE VERNAL POOLS AND VERNAL ALKALI MEADOWS.			ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1986 JOKERST COLLECTION. NEEDS FIELDWORK.	UNKNOWN	1/8/2016 0:00	Clifton Court Forebay (3712175)	10	623436	4184590
Puccinellia simplex	California alkali grass	Monocots	PMPOA53110	None	None	G2	S2	1B.2	BLM_S-Sensitive	46	100226	98753	19920425	19920425	N	X-None	Possibly Extirpated	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176) | Tassajara (3712177)		37.81919	-121.73697	Zone-10 N4186506 E611165	T01S, R02E, Sec. 27 (M)	LOS VAQUEROS.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN VICINITY OF LOS VAQUEROS RESERVOIR BASED ON 2015 GREENHOUSE COMMENT THAT THE LOCATION WAS PROBABLY FLOODED.		Dam/Inundation	LOCATION POSSIBLY FLOODED BY THE RESERVOIR.	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1992 GREENHOUSE OBSERVATION. POSSIBLY EXTIRPATED BY RESERVOIR CONSTRUCTION.	CONTRA COSTA WATER DISTRICT	1/8/2016 0:00	Byron Hot Springs (3712176)	10	611165	4186506
Puccinellia simplex	California alkali grass	Monocots	PMPOA53110	None	None	G2	S2	1B.2	BLM_S-Sensitive	47	100229	98756	19580604	19580604	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Alameda | Contra Costa	Altamont (3712166) | Byron Hot Springs (3712176)		37.76237	-121.73639	Zone-10 N4180202 E611301	T02S, R02E, Sec. 15 (M)	4 MILES NORTHEAST OF LIVERMORE, VASCO ROAD.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG THE HISTORIC ROUTE OF VASCO ROAD (SHOWN ON TOPO MAP) AROUND 4 ROAD MILES NORTH OF LIVERMORE. ALIGNMENT OF VASCO ROAD HAS CHANGED SINCE COLLECTION WAS MADE IN 1958.	GROWING IN ALKALINE MEADOW AT BASE OF NON-WOODED FOOTHILLS. ASSOCIATED WITH PARAPHOLIS INCURVA.			ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1958 COLLECTION BY CRAMPTON, PLANTS NOTED AS "COMMON" IN 1958. NEEDS FIELDWORK.	UNKNOWN	1/8/2016 0:00	Byron Hot Springs (3712176)	10	611301	4180202
Eryngium jepsonii	Jepson's coyote-thistle	Dicots	PDAPI0Z130	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	4	103660	A2110	19980513	19980513	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187) | Clayton (3712188)	1000	37.96427	-121.87541	Zone-10 N4202447 E598786	T01N, R01E, Sec. 4, NW (M)	HEAD OF SE BRANCH OF LOUGHLER LOOP TRAIL, BLACK DIAMOND MINES REGIONAL PRESERVE, SOUTH OF PITTSBURG.	CANNOT LOCATE "HEAD OF SE BRANCH" OF TRAIL. MAPPED AS BEST GUESS BY CNDDB AROUND SOUTHERN END OF LOUGHLER LOOP TRAIL AT GIVEN ELEVATION, BASED ON A 1998 ERTTER COLLECTION.	MOIST GROUND ABOVE SLUMP IN GRASSLAND ON CLAY.			ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1998 ERTTER COLLECTION; DESCRIBED AS "VERY LOCAL" IN 1998. NEEDS FIELDWORK.	EBRPD-BLACK DIAMOND MINES RP	10/5/2016 0:00	Antioch South (3712187)	10	598786	4202447
Eriogonum truncatum	Mt. Diablo buckwheat	Dicots	PDPGN085Z0	None	None	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	9	106275	A4583	20160519	20160519	N	A-Excellent	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)		37.94386	-121.83834	Zone-10 N4200223 E602070	T01N, R01E, Sec. 11 (M)	SAND CREEK CORRIDOR, BLACK DIAMOND MINES REGIONAL PRESERVE.	EXACT LOCATION NOT PROVIDED TO CNDDB. MAPPED AS BEST GUESS BASED ON ABOVE LOCATION DESCRIPTION.	IN GRASSLAND ON HIGHLY EROSIVE SOILS.			SITE DISCOVERED IN 2016; OVER 2 MILLION LARGE PLANTS OBSERVED IN 2 PATCHES TOTALLING ABOUT A HALF ACRE. MAY HAVE BEEN REPORTED HERE HISTORICALLY ACCORDING TO A NOTE IN CNPS-EAST BAY DATABASE OF RARE PLANT LOCATIONS.	EBRPD-BLACK DIAMOND MINES RP	5/10/2017 0:00	Antioch South (3712187)	10	602070	4200223
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	64	108343	A6580	20030706	20030706	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1080	37.96036	-121.85346	Zone-10 N4202037 E600719	T01N, R01E, Sec. 3, SW (M)	SOUTH END OF CARBONDALE TRAIL, BLACK DIAMOND MINES REGIONAL PRESERVE, SOUTH OF PITTSBURG.	MAPPED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 3 ACCORDING TO 2003 ERTTER COORDINATES.	CLAY FLAT WITH LOLIUM AND YELLOW STARTHISTLE.			"COMMON AT THIS SITE" IN 2003.	EBRPD-BLACK DIAMOND MINES RP	9/26/2017 0:00	Antioch South (3712187)	10	600719	4202037
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	65	108352	A6587	20110914	20110914	N	A-Excellent	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1004	37.93524	-121.86886	Zone-10 N4199233 E599400	T01N, R01E, Sec. 16, N (M)	UPPER OIL CANYON, ABOUT 1.3 AIR MILES SOUTHWEST OF STEWARTVILLE, CLAYTON RANCH REGIONAL PRESERVE.	MAPPED NEAR THE CENTER OF THE NORTHERN 1/2 OF SECTION 16.	GRASSLAND HABITAT. NE-FACING SLOPE. ALTAMONT-FONTANA COMPLEX SOILS. ASSOCIATED WITH AVENA FATUA, CROTON SETIGERUS, LACTUCA SERRIOLA, BROMUS HORDEACEUS, CARDUUS PYCNOCEPHALUS, AND TORILIS NODOSA.			120 PLANTS OBSERVED IN 2011.	EBRPD-CLAYTON RANCH RP	9/27/2017 0:00	Antioch South (3712187)	10	599400	4199233
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	66	108356	A6591	20120925	20120925	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1020	37.92602	-121.8457	Zone-10 N4198235 E601448	T01N, R01E, Sec. 15, SE (M)	HEAD OF BRIONES VALLEY, ABOUT 1.4 AIR MILES SOUTH OF STEWARTVILLE, CLAYTON RANCH REGIONAL PRESERVE.	MAPPED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 15.	GRASSLAND/ROADWAY. NORTHEAST SLOPE. ALTAMONT-FONTANA COMPLEX SOILS. ASSOCIATED WITH LACTUCA SERRIOLA, AVENA FATUA, TRICHOSTEMA LANCEOLATUM, AND BROMUS HORDEACEUS.			162 PLANTS OBSERVED IN 2012.	EBRPD-CLAYTON RANCH RP	9/27/2017 0:00	Antioch South (3712187)	10	601448	4198235
Blepharizonia plumosa	big tarplant	Dicots	PDAST1C011	None	None	G1G2	S1S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	67	108359	A6594	20130906	20130906	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	600	37.92635	-121.82404	Zone-10 N4198295 E603351	T01N, R01E, Sec. 13, SW (M)	ON THE SOUTH SIDE OF THE WESTERN END OF DEER VALLEY, ABOUT 1.2 AIR MILES SOUTHWEST OF WEST HARTLEY.	IN A SMALL AND NARROW SECONDARY VALLEY. ABUTS THE WESTERN FENCE LINE OF THE SOUTHWEST SIDE OF RODDY RANCH. MAPPED ON THE BORDER BETWEEN THE SW 1/4 OF THE SW 1/4 OF SECTION 13 AND THE SE 1/4 OF THE SE 1/4 OF SECTION 14.	CLAY BARREN IN GRASSLAND HABITAT ON A NE-FACING SLOPE BETWEEN 580 AND 600 FT IN ELEVATION. SOILS ARE OF THE ALTAMONT SERIES. ASSOCIATED WITH TORILIS ARVENSIS, FESTUCA PERENNIS, BROMUS HORDEACEUS, AVENA FATUA, AND CENTAUREA SOLSTITIALIS.	Non-native plant impacts	YELLOW STARTHISTLE IN LOW ABUNDANCE.	142 PLANTS OBSERVED OVER APPROXIMATELY 1500 SQ FEET IN 2013. THE LARGER PORTION OF THIS POPULATION OCCURS WEST OF THE FENCE LINE, BEYOND THE RODDY RANCH ACQUISITION, ON THE ENNES/LENZTNER PROPERTY.	EBRPD-DEER VALLEY RP, PVT	9/27/2017 0:00	Antioch South (3712187)	10	603351	4198295
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	117	109228	A7458	20150722	20150722	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Alameda	Clifton Court Forebay (3712175)	450	37.75291	-121.62457	Zone-10 N4179291 E621166	T02S, R03E, Sec. 15, SE (M)	APPROXIMATELY 2.1 AIR MILES ENE OF ALTAMONT, NORTH OF ALTAMONT PASS ROAD, WEST OF TRACY.	MAPPED ACCORDING TO 2015 BOWER COORDINATES AND MAP, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 15.	ALKALINE MEADOW HABITAT IN VALLEY BOTTOMS AND AT THE BASE OF CLAY HILLS NEAR DRAINAGES. TYPICALLY GROWING WITH DISTICHLIS SPICATA, MALVELLA LEPROSA, FRANKENIA SALINA, CENTROMADIA PUNGENS SSP. PUNGENS, ATRIPLEX CORONATA VAR. VALLICOLA, ETC.	Development	WIND TURBINE DEVELOPMENT.	500 PLANTS OBSERVED IN 2015.	PVT	12/15/2017 0:00	Clifton Court Forebay (3712175)	10	621166	4179291
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	118	109229	A7460	20150722	20150722	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Alameda	Byron Hot Springs (3712176)	420	37.77572	-121.64306	Zone-10 N4181798 E619500	T02S, R03E, Sec. 9, NE (M)	APPROXIMATELY 2.5 AIR MILES NNE OF ALTAMONT, 0.75 TO 1.1 MILES WEST OF SOUTH BAY PUMPING PLANT AT BETHANY RESERVOIR.	MAPPED AS 4 POLYGONS ACCORDING TO 2015 BOWER COORDINATES, IN THE SW 1/4 OF THE NW 1/4 OF SECTION 10 AND THE SE 1/4 OF THE NE 1/4 OF SECTION 9.	ALKALINE MEADOW HABITAT IN VALLEY BOTTOMS AND AT THE BASE OF CLAY HILLS NEAR DRAINAGES. TYPICALLY GROWING WITH DISTICHLIS SPICATA, MALVELLA LEPROSA, FRANKENIA SALINA, CENTROMADIA PUNGENS SSP. PUNGENS, ATRIPLEX CORONATA VAR. VALLICOLA, ETC.	Development	WIND TURBINE DEVELOPMENT.	98 PLANTS OBSERVED IN 2015.	PVT	12/7/2017 0:00	Byron Hot Springs (3712176)	10	619500	4181798
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	119	109230	A7461	20150722	20150722	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Alameda	Byron Hot Springs (3712176)	415	37.78604	-121.64795	Zone-10 N4182937 E619053	T02S, R03E, Sec. 4 (M)	APPROXIMATELY 2.7-3.2 AIR MILES NNE OF ALTAMONT, 1.1 TO 2 MILES NW OF SOUTH BAY PUMPING PLANT AT BETHANY RESERVOIR.	MAPPED AS 5 POLYGONS ACCORDING TO 2015 BOWER COORDINATES AND MAP, ACROSS SECTION 4.	ALKALINE MEADOW HABITAT IN VALLEY BOTTOMS AND AT THE BASE OF CLAY HILLS NEAR DRAINAGES. TYPICALLY GROWING WITH DISTICHLIS SPICATA, MALVELLA LEPROSA, FRANKENIA SALINA, CENTROMADIA PUNGENS SSP. PUNGENS, ATRIPLEX CORONATA VAR. VALLICOLA, ETC.	Development	WIND TURBINE DEVELOPMENT.	34,855 PLANTS OBSERVED IN 2015.	PVT	12/7/2017 0:00	Byron Hot Springs (3712176)	10	619053	4182937
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	120	109232	A7465	20110611	20110611	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	415	37.80439	-121.65883	Zone-10 N4184959 E618066	T01S, R03E, Sec. 33, NW (M)	ABOUT 2 AIR MILES WNW OF WHERE THE CALIFORNIA AQUEDUCT CROSSES THE CCA/ALA COUNTY LINE, SOUTH OF VASCO ROAD.	MAPPED AS 3 POLYGONS ACCORDING TO NOMAD ECOLOGY DIGITAL DATA, IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 33.	ALKALI WETLAND/ALKALI GRASSLAND. ALTAMONT-FONTANA COMPLEX. ASSOCIATED WITH ATRIPLEX CORONATA VAR. CORONATA, LOLIUM MULTIFLORUM, HORDEUM MARINUM SSP. GUSSONEANUM, BRASSICA NIGRA, PARAPHOLIS INCURVA, BROMUS HORDEACEUS, ETC.			121 PLANTS OBSERVED IN 2011.	EBRPD	12/7/2017 0:00	Byron Hot Springs (3712176)	10	618066	4184959
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	121	109233	A7466	20110822	20110822	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Introduced Back into Native Hab./Range	Contra Costa	Byron Hot Springs (3712176)	85	37.83563	-121.64806	Zone-10 N4188439 E618964	T01S, R03E, Sec. 21, NE (M)	ABOUT 1.1 AIR MILES SW OF BYRON HOT SPRINGS, BETWEEN ARMSTRONG ROAD AND VASCO ROAD.	MAPPED ACCORDING TO NOMAD ECOLOGY DIGITAL DATA, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 21.				24 PLANTS OBSERVED IN 2011. SOURCE INDICATES THAT THIS IS AN INTRODUCED POPULATION.	EBRPD	12/15/2017 0:00	Byron Hot Springs (3712176)	10	618964	4188439
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	122	109234	A7467	20120615	20120615	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	112	37.83861	-121.66175	Zone-10 N4188753 E617755	T01S, R03E, Sec. 17, SE (M)	ABOUT 1.7 AIR MILES SW OF BYRON HOT SPRINGS, WEST OF VASCO ROAD, VASCO HILLS REGIONAL PRESERVE.	MAPPED ACCORDING TO NOMAD ECOLOGY DIGITAL DATA, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 17.	ALKALI GRASSLAND WETLAND HABITAT. GENTLE SLOPE, NORTHERN ASPECT, PESCADERO SOIL SERIES. ASSOCIATED WITH HORDEUM MARINUM SSP. GUSSONEANUM, ATRIPLEX CORONATA VAR. CORONATA, HORDEUM MURINUM LEPORINUM, BETA VULGARIS, CHENOPODIUM, ETC.	Foot traffic/trampling	SOME PLANTS APPEAR TRAMPLED.	244 PLANTS OBSERVED IN 2012.	EBRPD	12/7/2017 0:00	Byron Hot Springs (3712176)	10	617755	4188753
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	123	109235	A7468	20130430	20130430	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	125	37.84047	-121.67079	Zone-10 N4188947 E616956	T01S, R03E, Sec. 17, SW (M)	ABOUT 2.1 AIR MILES WSW OF BYRON HOT SPRINGS, WEST OF VASCO ROAD, VASCO HILLS REGIONAL PRESERVE.	MAPPED ACCORDING TO NOMAD ECOLOGY DIGITAL DATA, IN THE SE 1/4 OF THE SW 1/4 OF SECTION 17.	VALLEY BOTTOM THAT IS NEARLY LEVEL BUT HAS A SLIGHT NORTHERN ASPECT IN FULL SUN ON SOILS MAPPED AS PESCADERO SERIES. ASSOCIATED WITH HORDEUM MARINUM SSP. GUSSONEANUM, HORDEUM MURINUM SSP. LEPORINUM, BETA VULGARIS, ETC.			5 PLANTS OBSERVED IN 2013. MOST PLANTS APPEAR IN EXCELLENT PHYSICAL CONDITION; NO SIGNS OF DISEASE, VIRUS, HERBIVORY, OR NUTRIENT DEFICIENCIES WERE OBSERVED ON ANY INDIVIDUALS.	EBRPD	12/8/2017 0:00	Byron Hot Springs (3712176)	10	616956	4188947
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	124	109236	A7469	20110510	20110510	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	230	37.84536	-121.68339	Zone-10 N4189475 E615839	T01S, R03E, Sec. 18, E (M)	ABOUT 2.7 AIR MILES WEST OF BYRON HOT SPRINGS, WEST OF VASCO ROAD, VASCO HILLS REGIONAL PRESERVE.	MAPPED AS 2 POLYGONS ACCORDING TO NOMAD ECOLOGY DIGITAL DATA, IN THE EAST 1/2 OF SECTION 18.	ALKALI DRAINAGE, VALLEY BOTTOM. PESCADERO SOIL SERIES; SCALD HABITAT. ASSOCIATED WITH ATRIPLEX CORONATA VAR. CORONATA, FRANKENIA SALINA, MALVELLA LEPROSA, AVENA FATUA, HORDEUM BRACHYANTHERUM, AND MELILOTUS INDICA.	Grazing	CATTLE GRAZING.	690 PLANTS OBSERVED IN 2011.	EBRPD	12/7/2017 0:00	Byron Hot Springs (3712176)	10	615839	4189475
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		6	109260	A7491	19380605	19380605	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Alameda	Clifton Court Forebay (3712175)	200	37.76686	-121.58546	Zone-10 N4180891 E624588	T02S, R04E, Sec. 7, SW (M)	1 MILE NORTH OF MOUNTAIN HOUSE HALF WAY BETWEEN ALTAMONT AND TRACY.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB ALONG MOUNTAIN HOUSE RD ABOUT 1 ROAD MILE NORTH OF MOUNTAIN HOUSE, BASED ON A 1938 ROSSBACH COLLECTION.	ALKALINE MUD ROADSIDE.			ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1938 ROSSBACH COLLECTION. NEEDS FIELDWORK.	UNKNOWN	12/11/2017 0:00	Clifton Court Forebay (3712175)	10	624588	4180891
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		7	109261	A7498	19890405	19890405	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175)	20	37.82567	-121.59805	Zone-10 N4187399 E623382	T01S, R03E, Sec. 24, SW (M)	ABOUT 3.5 MILES SOUTH OF BYRON, WEST AND ADJACENT TO CLIFTON COURT FOREBAY.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB FROM TRS GIVEN BY ERTTER IN THE SE 1/4 OF THE SW 1/4 OF SECTION 24.	ALKALI SINK. BARE ALKALINE GROUND WITH SUAEDA.			SITE BASED ON A 1989 ERTTER COLLECTION. 1968 CRAMPTON COLLECTION FROM "CONTRA COSTA COUNTY, SE CORNER OF COUNTY, CA 3.5 MILES SOUTH OF BYRON" ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.	UNKNOWN	12/11/2017 0:00	Clifton Court Forebay (3712175)	10	623382	4187399
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		8	109264	A7500	20070501	20070501	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175)	60	37.81888	-121.62305	Zone-10 N4186613 E621192	T01S, R03E, Sec. 26, NW (M)	ADJACENT TO BYRON HOT SPRINGS RD ABOUT 1.2 ROAD MILES SOUTH OF HOLEY RD, SOUTH OF BYRON AIRPORT.	MAPPED BY CNDDB BASED ON 2007 KELCH COORDINATES, ON SECTION LINE BETWEEN THE SW 1/4 OF THE NW 1/4 OF SECTION 26 AND THE SE 1/4 OF THE NE 1/4 OF SECTION 27.	ANNUAL GRASSLAND WITH SCATTERED VERNAL POOLS AND ALKALINE CHANNELS. IN SALINE POOLS AND CHANNELS.			ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2007 KELCH COLLECTION. DESCRIBED AS "OCCASIONAL".	PVT	12/11/2017 0:00	Clifton Court Forebay (3712175)	10	621192	4186613
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		9	109268	A7503	20090318	20090318	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175)	20	37.83289	-121.60708	Zone-10 N4188188 E622574	T01S, R03E, Sec. 23, NE (M)	NE OF BYRON AIRPORT, AT INTERSECTION OF HOLEY RD AND BYRON HWY, ON EAST SIDE OF HIGHWAY, 3 AIR MILES SE OF BYRON.	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN THE SE 1/4 OF THE SE 1/4 OF SECTION 23 BASED ON TRS PROVIDED BY LAKE. 1992 KELCH COLLECTION FROM "2.5 MI SE OF BYRON, ALONG RR TRACKS, N OF JUNCTION OF HOLEY RD AND BYRON HWY" ALSO ATTRIBUTED HERE.	ALKALINE, DISTURBED GRASSLAND.			SITE BASED ON 2009 LAKE OBSERVATION; DESCRIBED AS "DENSELY SCATTERED". ALSO OBSERVED HERE IN 2005. 1991 TAYLOR COLLECTION FROM "JCT OF BYRON HOT SPRINGS RD AND HOLEY RD, IN FIELD AT THE NE CORNER" ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.	UNKNOWN	12/14/2017 0:00	Clifton Court Forebay (3712175)	10	622574	4188188
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		10	109269	A7541	19920308	19920308	N	U-Unknown	Presumed Extant	Non-specific bounded area	30	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175)	40	37.83833	-121.62328	Zone-10 N4188770 E621140	T01S, R03E, Sec. 22, E (M)	BYRON SPRINGS ROAD 4-5 MILES SOUTH OF JUNCTION WITH J4, NEAR ARMSTRONG ROAD.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG BYRON SPRINGS RD NEAR INTERSECTION WITH ARMSTRONG RD.	VERNALLY WET FLATS.			ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1992 ERTTER COLLECTION. NEEDS FIELDWORK.	UNKNOWN	12/12/2017 0:00	Clifton Court Forebay (3712175)	10	621140	4188770
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		11	109293	20684	19230428	19230428	N	U-Unknown	Presumed Extant	Circular feature with a 600 meter radius (2/5 mile)	60	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)		37.8485	-121.63371	Zone-10 N4189885 E620205	T01S, R03E, Sec. 15 (M)	BYRON SPRINGS.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AROUND BYRON HOT SPRINGS BASED ON HISTORIC COLLECTIONS.				SITE BASED ON AN 1898 DAVY COLLECTION AND A 1923 EASTWOOD COLLECTION FROM BYRON SPRINGS. NEEDS FIELDWORK.	UNKNOWN	12/13/2017 0:00	Byron Hot Springs (3712176)	10	620205	4189885
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		12	109299	98753	20050331	20050331	N	U-Unknown	Presumed Extant	Circular feature with a 1600 meter radius (1 mile)	90	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176) | Tassajara (3712177)		37.81919	-121.73697	Zone-10 N4186506 E611165	T01S, R02E, Sec. 27 (M)	LOS VAQUEROS.	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS IN THE VICINITY OF LOS VAQUEROS RESERVOIR.	ALKALI MEADOW/WETLAND.			NEEDS FIELDWORK. OBSERVED DURING 1987-1988 SURVEYS BY JONES & STOKES FOR LOS VAQUEROS PROJECT. OBSERVED BY CNPS IN "NW ALKALI MEADOW AREA" IN 1992. 2005 SHEA COLLECTION FROM "PESCADERO WETLAND OFF VASCO RD NEAR FLAG BARN" ATTRIBUTED HERE.	CCWD-LOS VAQUEROS WATERSHED	12/12/2017 0:00	Byron Hot Springs (3712176)	10	611165	4186506
Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	46	109366	A7583	20130515	20130515	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1300	37.85942	-121.84317	Zone-10 N4190848 E601762	T01S, R01E, Sec. 10, E (M)	EAST OF MORGAN TERRITORY ROAD, ABOUT 2 AIR MILES SOUTHEAST OF MORGAN TERRITORY SCHOOL, SOUTHEAST OF MT DIABLO.	2 POLYGONS MAPPED ACCORDING TO DIGITAL DATA FROM NOMAD ECOLOGY.	SLOPES IN FILTERED LIGHT. SOILS ARE OF THE MILLSHOLM SERIES. ASSOCIATED WITH HOLODISCUS DISCOLOR VAR. DISCOLOR, MELICA TORREYANA, DRYOPTERIS ARGUTA, HETEROMELES ARBUTIFOLIA, STACHYS RIGIDA VAR. QUERCETORUM, ADENOSTOMA FASCICULATUM, ETC.			2 PLANTS IN NORTHERN POLYGON AND 4 PLANTS IN SOUTHERN POLYGON IN 2013. POPULATIONS ARE WITHIN THE ADRIENNE GALVIN PROPERTY AND THE JOSEPH GALVIN RANCH, OPERATED BY SAVE MOUNT DIABLO.	SAVE MOUNT DIABLO	12/14/2017 0:00	Tassajara (3712177)	10	601762	4190848
Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	47	109371	A7588	20130410	20130410	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Tassajara (3712177)	1300	37.84813	-121.83808	Zone-10 N4189601 E602225	T01S, R01E, Sec. 14, NW (M)	BOTH SIDES OF MARSH CREEK, FROM 1.75 TO 2.3 AIR MILES EAST OF WINDY POINT SUMMIT, SOUTHEAST OF MOUNT DIABLO.	5 POLYGONS MAPPED ACCORDING TO DIGITAL DATA FROM NOMAD ECOLOGY. THERE ARE SOME DISCRPANCIES BETWEEN THE DIGITAL DATA AND SURVEY FORMS PROVIDED TO CNDDB; CALOCHORTUS MAY NOT HAVE BEEN SEEN AT THE POLYGON IN SW 1/4 NW 1/4 SEC 14.	DIBBLE SOIL SERIES. IN FILTERED LIGHT TO FULL SHADE. ON THE ECOTONE OF CHAMISE CHAPARRAL/OAK WOODLAND HABITAT AND WITHIN COAST LIVE OAK WOODLAND. ASSOC W/ UMBELLULARIA CALIFORNICA, BRACHYPODIUM DISTACHYON, MADIA GRACILIS, ETC.			27 PLANTS OBSERVED IN 2 SOUTHWESTERN POLYGONS IN 2012. 17 PLANTS OBSERVED IN 3 EASTERN POLYGONS IN 2013.	SAVE MOUNT DIABLO, EBRPD	12/14/2017 0:00	Tassajara (3712177)	10	602225	4189601
Calochortus pulchellus	Mt. Diablo fairy-lantern	Monocots	PMLIL0D160	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	54	109384	A7601	20120512	20120512	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	1000	37.94429	-121.86249	Zone-10 N4200245 E599948	T01N, R01E, Sec. 9, SE (M)	BEHIND THE BLACK DIAMOND MINES, ABOUT 0.75 AIR MILE WEST OF STEWARTVILLE, NORTHEAST OF MOUNT DIABLO.	MAPPED ACCORDING TO 2012 HOLBROOK COORDINATES, IN THE NE 1/4 OF THE SE 1/4 OF SECTION 9.	BLUE OAK AND LARGE MANZANITA WOODLAND, ON A NORTHERN FACING SLOPE.			4 PLANTS OBSERVED IN 2012.	UNKNOWN	12/15/2017 0:00	Antioch South (3712187)	10	599948	4200245
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		21	109536	A7751	20170612	20170612	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175)	10	37.80814	-121.61093	Zone-10 N4185437 E622277	T01S, R03E, Sec. 35, NE (M)	ALONG CALIFORNIA AQUEDUCT ABOUT 1.6 AIR MILES SW OF CLIFTON COURT FOREBAY AND 0.3 AIR MILE WEST OF BRUNS RD.	ACCESS ROAD TO PUMPING PLANT, ROADCUT FOR INTAKE CHANNEL TO CALIFORNIA AQUEDUCT. MAPPED BY CNDDB FROM 2017 VAN SUSTEREN COORDINATES, IN THE NW 1/4 NE 1/4 SECTION 35.	ROADCUT IN HIGHLY DISTURBED SOIL. OBVIOUS ALKALI INFLUENCE. ASSOCIATES INCLUDE DISTICHLIS SPICATA, BULBOSCHOENUS ROBUSTUS, AND SUAEDA NIGRA.			ABOUT 1000 PLANTS OBSERVED IN 2017.	DWR-CLIFTON COURT FOREBAY	12/22/2017 0:00	Clifton Court Forebay (3712175)	10	622277	4185437
Spergularia macrotheca var. longistyla	long-styled sand-spurrey	Dicots	PDCAR0W062	None	None	G5T2	S2	1B.2		22	109543	A7756	20170519	20170519	N	A-Excellent	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Clifton Court Forebay (3712175)	5	37.82046	-121.58369	Zone-10 N4186840 E624654	T01S, R04E, Sec. 30, NW (M)	SOUTH END OF CLIFTON COURT FOREBAY, ABOUT 0.25 AIR MILE NORTH OF HERDLYN RD AT JUNCTION WITH BYRON HWY.	MAPPED BY CNDDB FROM DIGITAL DATA PROVIDED BY VAN SUSTEREN, IN THE NW 1/4 OF SECTION 30.	ADJACENT TO ROAD. ALKALI VERNAL POOL COMPLEX, WITH CENTROMADIA, HORDEUM MARINUM, DISTICHLIS SPICATA, FRANKENIA SALINA, SUAEDA NIGRA, AND ALLENROLFIA OCCIDENTALIS.		NONE VISIBLE.	ABOUT 10,000 PLANTS OBSERVED IN 2017.	DWR-CLIFTON COURT FOREBAY	12/22/2017 0:00	Clifton Court Forebay (3712175)	10	624654	4186840
Navarretia nigelliformis ssp. radians	shining navarretia	Dicots	PDPLM0C0J2	None	None	G4T2	S2	1B.2	BLM_S-Sensitive	80	111988	B0129	20150325	20150325	N	U-Unknown	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Alameda	Clifton Court Forebay (3712175)	475	37.7662	-121.62338	Zone-10 N4180767 E621249	T02S, R03E, Sec. 10, SE (M)	APPROXIMATELY 0.75 AIR MILE SOUTH OF SOUTH BAY PUMPING PLANT AT BETHANY RESERVOIR.	MAPPED ACCORDING TO 2015 BOWER COORDINATES, IN THE FAR SE 1/4 OF SECTION 10.	OBSERVED ON A DRY CLAY HILL SLOPE IN SPARSELY VEGETATED ANNUAL BROME GRASSLAND. NO TOPOGRAPHIC DEPRESSION/SEASONAL POOLING WAS EVIDENT. OBSERVED WITH CALANDRINIA CILIATA, ERODIUM CICUTARIUM, AND NON-NATIVE ANNUAL GRASSES.	Development	WIND TURBINE FACILITY DEVELOPMENT.	10 PLANTS OBSERVED IN 2015.	PVT?	7/25/2018 0:00	Clifton Court Forebay (3712175)	10	621249	4180767
Navarretia nigelliformis ssp. radians	shining navarretia	Dicots	PDPLM0C0J2	None	None	G4T2	S2	1B.2	BLM_S-Sensitive	81	111989	B0130	20150429	20150429	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	280	37.94966	-121.79784	Zone-10 N4200911 E605621	T01N, R02E, Sec. 7, N (M)	SAND CREEK IN LONE TREE VALLEY.	550 ACRE PROPERTY BETWEEN DEER VALLEY ROAD AND EMPIRE MINE ROAD. MAPPED AS MANY POLYGONS ACCORDING TO A 2015 LYNCH MAP.	NON-NATIVE ANNUAL GRASSLAND WITH HEAVY CLAY SOILS. SPARSELY VEGETATED BY GRASSES WHICH IT SEEMS TO PREFER (HEAVILY GRAZED KEEPS THATCH DOWN). MEDICAGO POLYMORPHA, FESTUCA PERENNIS, BROMUS HORDEACEUS, AND ERODIUM SPP.	Development	PROPOSED FOR A HOUSING DEVELOPMENT.	~6029 PLANTS OBSERVED IN 2015.	PVT	7/25/2018 0:00	Antioch South (3712187)	10	605621	4200911
Atriplex minuscula	lesser saltscale	Dicots	PDCHE042M0	None	None	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	59	112610	B0758	20080815	20080815	N	B-Good	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Alameda	Altamont (3712166) | Byron Hot Springs (3712176)	650	37.74943	-121.7077	Zone-10 N4178801 E613848	T02S, R02E, Sec. 24 (M)	ON BOTH SIDES AND AT END OF LAUGHLIN ROAD, 0.75-1.3 MILES NORTH OF FRICK LAKE.	EXTENDS INTO DRAINAGES TO N AND E OF THE END OF LAUGHLIN ROAD. MAPPED AS MANY POLYGONS BASED ON DIGITAL DATA AND MAPS PROVIDED BY SOURCES.	IN SCALDS AND SEMI-BARREN AREAS WITH SPERGULARIA MACROTHECA, DISTICHLIS SP., FRANKENIA SP., LASTHENIA MINOR, HEMIZONIA PUNGENS, LOLIUM MULTIFLORUM, HORDEUM MARINUM SSP. GUSSONEANUM, H. DEPRESSUM, AND ERODIUM SP.	Grazing	LIGHTLY GRAZED, MOSTLY UNDISTURBED.	8350 PLANTS ESTIMATED IN 1989 IN 5 SUBPOPULATIONS. 2083 PLANTS SEEN IN 2005. 72 PLUS AN UNKNOWN NUMBER OF PLANTS SEEN IN 2006. UNKNOWN NUMBER OF PLANTS SEEN IN 2001 AND 2008. PREVIOUSLY MAPPED AS A. DEPRESSA EO #6.	PVT	9/21/2018 0:00	Altamont (3712166)	10	613848	4178801
Lathyrus jepsonii var. jepsonii	Delta tule pea	Dicots	PDFAB250D2	None	None	G5T2	S2	1B.2	SB_BerrySB-Berry Seed Bank | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	164	113619	B1705	20150421	20150421	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.05666	-121.67193	Zone-10 N4212934 E616514	T03N, R03E, Sec. 32, SW (M)	NE END OF JERSEY ISLAND AND SOUTH SIDE OF THE FALSE RIVER.	MAPPED ACCORDING TO 2015 HAMAMOTO COORDINATES, IN THE SOUTH 1/2 OF THE SW 1/4 OF SECTION 32.	RECENTLY REPAIRED LEVEE WITH NEWLY PLACED RIP RAP ALONG FALSE RIVER. NE ASPECT, 30 DEGREE SLOPE.	Waterway bank protection/maintenance	INSTALLATION OF EMERGENCY DROUGHT BARRIER.	3 PLANTS OBSERVED IN 2015. DROUGHT BARRIER INSTALLATION WILL AVOID IMPACTS TO SENSITIVE PLANT SPECIES TO THE EXTENT PRACTICABLE.	DPR?	12/19/2018 0:00	Jersey Island (3812116)	10	616514	4212934
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	None	None	G2	S2	1B.2	BLM_S-Sensitive | SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	132	114551	B2620	20150714	20150714	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Antioch South (3712187)	279	37.95354	-121.7984	Zone-10 N4201341 E605566	T01N, R02E, Sec. 7, NW (M)	LONE TREE VALLEY; JUST SOUTH OF THE EASTERN END OF SOUTHWOOD WAY.	MAPPED ACCORDING TO 2015 LYNCH COORDINATES, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 7.	SEASONAL WETLAND SURROUNDED BY NON-NATIVE ANNUAL GRASSLAND.	Development	PROPOSED FOR DEVELOPMENT.	~11 PLANTS OBSERVED IN 2015.	PVT	3/19/2019 0:00	Antioch South (3712187)	10	605566	4201341
Puccinellia simplex	California alkali grass	Monocots	PMPOA53110	None	None	G2	S2	1B.2	BLM_S-Sensitive	78	114932	B3006	20190421	20190421	N	U-Unknown	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Contra Costa	Byron Hot Springs (3712176)	80	37.84473	-121.65205	Zone-10 N4189444 E618598	T01S, R03E, Sec. 16, SW (M)	COELHO PROPERTY; WEST OF VASCO ROAD, APPROXIMATELY 1 AIR MILE WSW OF BYRON HOT SPRINGS.	MAPPED ACCORDING TO 2019 BARTOSH COORDINATES, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 16.	IN ALKALI FLATS WITH ALLENROLFEA OCCIDENTALIS, ATRIPLEX CORONATA, BRODIAEA TERRESTRIS, CENTROMADIA PUNGENS, CRESSA TRUXILLENSIS, DISTICHLIS SPICATA, FRANKENIA SALINA, HORDEUM DEPRESSUM, NAVARRETIA COTULIFOLIA, N. LEUCOCEPHALA, ETC.			100-1000 PLANTS OBSERVED IN 2019.	PVT	5/3/2019 0:00	Byron Hot Springs (3712176)	10	618598	4189444
Lilaeopsis masonii	Mason's lilaeopsis	Dicots	PDAPI19030	None	Rare	G2	S2	1B.1		236	118678	B5691	20150421	20150421	N	C-Fair	Presumed Extant	Specific bounded area	20	Unknown	Natural/Native occurrence	Contra Costa	Jersey Island (3812116)	0	38.0553	-121.66695	Zone-10 N4212789 E616953	T03N, R03E, Sec. 32, SE (M)	SOUTH SIDE OF FALSE RIVER, NE EDGE OF JERSEY ISLAND.	MAPPED ACCORDING TO 2015 HAMAMOTO COORDINATES. IN THE SW 1/4 OF THE SE 1/4 OF SECTION 32.	WATERSIDE AT THE BASE OF A RIPRAPPED LEVEE ALONG FALSE RIVER. ASSOCIATED SPECIES INCLUDE SUISUN MARSH ASTER, JUNCUS EFFUSUS AND SCHOENOPLECTUS.	Waterway bank protection/maintenance	INSTALLATION OF EMERGENCY DROUGHT BARRIER.	APPROXIMATELY 10 SQ FEET OF PLANTS OBSERVED IN 2015. DROUGHT BARRIER WILL AVOID DIRECT IMPACTS TO SENSITIVE PLANT SPECIES TO THE EXTENT PRACTICABLE.	PVT	6/19/2020 0:00	Jersey Island (3812116)	10	616953	4212789
Tropidocarpum capparideum	caper-fruited tropidocarpum	Dicots	PDBRA2R010	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden | USFS_S-Sensitive	27	120013	B6948	20190401	20190401	N	B-Good	Presumed Extant	Specific bounded area with an 80 meter radius	10	Unknown	Natural/Native occurrence	Alameda	Clifton Court Forebay (3712175)	523	37.75496	-121.59788	Zone-10 N4179554 E623514	T02S, R03E, Sec. 13, SW (M)	1.25 AIR MILES WEST OF MOUNTAIN HOUSE.	MAPPED ACCORDING TO 2019 PRESTON COORDINATES, IN THE EAST 1/2 OF THE SW 1/4 OF SECTION 13.	GRASSLAND, WITH AVENA BARBATA, BROMUS DIANDRUS, FESTUCA PERENNE, AMSINCKIA LYCOPSOIDES, ERODIUM MOSCHATUM, TRIFOLIUM DEPAURPERATUM, DIPTEROSTEMON CAPITATUS, MEDICAGO POLYMORPHA; SOILS MAPPED AS ALTAMONT ROCKY CLAY, 7 TO 30 PERCENT SLOPES.	Development	NEW WIND POWER FACILITIES.	FEWER THAN 100 PLANTS OBSERVED IN 2019. VAGUE HISTORIC COLLECTIONS FROM MOUNTAIN HOUSE (CNDDB OCCURRENCE #3) MAY BE FROM THIS LOCATION.	PVT	2/8/2021 0:00	Clifton Court Forebay (3712175)	10	623514	4179554

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE **RareFind**

Query Summary:
Quad IS (Antioch North (3812117) OR Antioch South (3712187) OR Jersey Island (3812116) OR Bouldin Island (3812115) OR Brentwood (3712186) OR Woodward Island (3712185) OR Tassajara (3712177) OR Byron Hot Springs (3712176) OR Clifton Court Forebay (3712175))
AND Federal Listing Status IS (Endangered OR Threatened OR Proposed Endangered OR Proposed Threatened OR Candidate) OR State Listing Status IS (Endangered OR Threatened OR Candidate Endangered OR Candidate Threatened)

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CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Acipenser medirostris pop. 1	green sturgeon - southern DPS	Fish	AFCAA01031	14	2	Threatened	None	G2T1	S1	null	AFS_VU-Vulnerable, IUCN_EN-Endangered	Aquatic, Estuary, Marine bay, Sacramento/San Joaquin flowing waters
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	955	11	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Ambystoma californiense pop. 1	California tiger salamander - central California DPS	Amphibians	AAAAA01181	1273	214	Threatened	Threatened	G2G3T3	S3	null	CDFW_WL-Watch List, IUCN_VU-Vulnerable	Cismontane woodland, Meadow & seep, Riparian woodland, Valley & foothill grassland, Vernal pool, Wetland
Amsinckia grandiflora	large-flowered fiddleneck	Dicots	PDBOR01050	9	4	Endangered	Endangered	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	Cismontane woodland, Valley & foothill grassland
Apodemia mormo langei	Lange's metalmark butterfly	Insects	IILEPH7012	1	1	Endangered	None	G5T1	S1	null	null	Interior dunes
Bombus crotchii	Crotch bumble bee	Insects	IIHYM24480	437	1	None	Candidate Endangered	G2	S2	null	IUCN_EN-Endangered	null
Bombus occidentalis	western bumble bee	Insects	IIHYM24252	306	4	None	Candidate Endangered	G3	S1	null	IUCN_VU-Vulnerable, USFS_S-Sensitive	null
Branchinecta conservatio	Conservancy fairy shrimp	Crustaceans	ICBRA03010	53	1	Endangered	None	G2	S2	null	IUCN_EN-Endangered	Valley & foothill grassland, Vernal pool, Wetland
Branchinecta longiantenna	longhorn fairy shrimp	Crustaceans	ICBRA03020	23	5	Endangered	None	G2	S2	null	IUCN_EN-Endangered	Valley & foothill grassland, Vernal pool, Wetland
Branchinecta lynchi	vernal pool fairy shrimp	Crustaceans	ICBRA03030	796	21	Threatened	None	G3	S3	null	IUCN_VU-Vulnerable	Valley & foothill grassland, Vernal pool, Wetland
Buteo swainsoni	Swainson's hawk	Birds	ABNKC19070	2561	71	None	Threatened	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Great Basin grassland, Riparian forest, Riparian woodland, Valley & foothill grassland
Chloropyron molle ssp. molle	soft salty bird's-beak	Dicots	PDSCR0J0D2	27	1	Endangered	Rare	G2T1	S1	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Marsh & swamp, Salt marsh, Wetland
Eryngium racemosum	Delta button-celery	Dicots	PDAPI0Z0S0	26	1	None	Endangered	G1	S1	1B.1	null	Riparian scrub, Wetland
Erysimum capitatum var.	Contra Costa wallflower	Dicots	PDBRA16052	4	4	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana	Interior dunes

angustatum											Botanic Garden	
Hypomesus transpacificus	Delta smelt	Fish	AFCHB01040	29	12	Threatened	Endangered	G1	S1	null	AFS_TH-Threatened, IUCN_CR-Critically Endangered	Aquatic, Estuary
Lasthenia conjugens	Contra Costa goldfields	Dicots	PDAST5L040	36	1	Endangered	None	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	Alkali playa, Cismontane woodland, Valley & foothill grassland, Vernal pool, Wetland
Laterallus jamaicensis coturniculus	California black rail	Birds	ABNME03041	303	22	None	Threatened	G3T1	S2	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_EN-Endangered	Brackish marsh, Freshwater marsh, Marsh & swamp, Salt marsh, Wetland
Lepidurus packardi	vernal pool tadpole shrimp	Crustaceans	ICBRA10010	330	2	Endangered	None	G3	S3	null	IUCN_EN-Endangered	Valley & foothill grassland, Vernal pool, Wetland
Masticophis lateralis euryxanthus	Alameda whipsnake	Reptiles	ARADB21031	167	18	Threatened	Threatened	G4T2	S2	null	null	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland
Oenothera deltoides ssp. howellii	Antioch Dunes evening-primrose	Dicots	PDONA0C0B4	10	9	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	Interior dunes
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	Fish	AFCHA0209K	31	2	Threatened	None	G5T2Q	S2	null	AFS_TH-Threatened	Aquatic, Sacramento/San Joaquin flowing waters
Rana boylii pop. 4	foothill yellow-legged frog - central coast DPS	Amphibians	AAABH01054	178	1	Proposed Threatened	Endangered	G3T2	S2	null	BLM_S-Sensitive, USFS_S-Sensitive	Aquatic, Riparian forest, Riparian scrub, Riparian woodland, South coast flowing waters
Rana draytonii	California red-legged frog	Amphibians	AAABH01022	1686	184	Threatened	None	G2G3	S2S3	null	CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable	Aquatic, Artificial flowing waters, Artificial standing waters, Freshwater marsh, Marsh & swamp, Riparian forest, Riparian scrub, Riparian woodland, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Reithrodontomys raviventris	salt-marsh harvest mouse	Mammals	AMAFF02040	144	7	Endangered	Endangered	G1G2	S3	null	CDFW_FP-Fully Protected, IUCN_EN-Endangered	Marsh & swamp, Wetland
Riparia riparia	bank swallow	Birds	ABPAU08010	299	1	None	Threatened	G5	S3	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Riparian scrub, Riparian woodland
Sidalcea keckii	Keck's checkerbloom	Dicots	PDMAL110D0	50	1	Endangered	None	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Cismontane woodland, Ultramafic, Valley & foothill grassland
Spirinchus thaleichthys	longfin smelt	Fish	AFCHB03010	46	9	Candidate	Threatened	G5	S1	null	IUCN_LC-Least Concern	Aquatic, Estuary
Thaleichthys pacificus	eulachon	Fish	AFCHB04010	10	1	Threatened	None	G5	S1	null	IUCN_LC-Least Concern	Aquatic, Klamath/North coast flowing waters
Thamnophis gigas	giant gartersnake	Reptiles	ARADB36150	373	11	Threatened	Threatened	G2	S2	null	IUCN_VU-Vulnerable	Marsh & swamp, Riparian scrub, Wetland
Vulpes macrotis mutica	San Joaquin kit fox	Mammals	AMAJA03041	1020	32	Endangered	Threatened	G4T2	S3	null	null	Chenopod scrub, Valley & foothill grassland

SciName	ComName	TaxonGrou	ElmCode	FedList	CalList	GRank	SRank	RPlantRank	OthrStatus	OccNumbe	EOndx	Mapndx	ElmDate	SiteDate	Sensitive	OccRank	Presence	Accuracy	AccuracyO	Trend	OccType	County	Quad	Elevation	Latitude	Longitude	UTM	PLSS	Location	LocDetails	Ecological	ThreatList	Threat	General	OwnerMgt	LastUpdate	KeyQuad	UTMZone	UTME	UTMN
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	198	1543	33470	20020509	20020509	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	1240	37.76924	-121.709	Zone-10 N	T02S, R02E	0.5 MILE N	FELLERS SI	HABITAT CONSISTS OF A STOCK P			3 ADULTS (	EBRPD-BRU	########	Byron Hot	10	613681	4180996
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	193	1552	33465	19940513	19940513	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	440	37.97302	-121.864	Zone-10 N	T02N, R01E	NORTH OF SIDNEY FLA		HABITAT CONSISTS OF A STOCK P			1 ADULT A	EBRPD-BLA	########	Antioch So	10	599813	4203430
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	197	1553	33469	19940518	19940518	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	425	37.79813	-121.684	Zone-10 N	T01S, R03E	2.9 MILES NNE OF BRU		HABITAT C	Non-native	POSSIBLE T	>30 ADULT	EBRPD-BRU	########	Byron Hot	10	615863	4184233
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	135	1790	33114	19820118	19820118	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	600	37.89727	-121.859	Zone-10 N	T01N, R01E	MARSH CREEK, 1 MILE		HABITAT C	Dam/Inunc	THREATS IN	1 ADULT O	UNKNOWN	########	Antioch So	10	600275	4195030
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	20	1791	33110	2006XXXX	2006XXXX	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	360	37.93762	-121.805	Zone-10 N	T01N, R02E	WEST END	SITE RODY(	HABITAT C	Developme	THREATEN	>100 LARV.	UNKNOWN	########	Antioch So	10	604976	4199566
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			36	1792	33163	20060517	20060517	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	850	37.95488	-121.865	Zone-10 N	T01N, R01E	"SOMERSV	MAPPED T(	HABITAT C	Vehicle col	THREATEN	1 FEMALE (	EBRPD-BLA	########	Antioch So	10	599706	4201416
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	129	2106	33108	19980624	19980624	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	400	37.81027	-121.678	Zone-10 N	T01S, R03E	3.5 MILES SW OF BYR(		HABITAT CONSISTS OF A FENCED			AN UNKNC	PVT	########	Byron Hot	10	616393	4185587
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	130	2107	75118	20110705	20110705	N	C-Fair	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	220	37.81211	-121.666	Zone-10 N	T01S, R03E	2.5 MILES (	FEATURE P	HABITAT IS	Grazing | C	VEHICLE TF	SEC 29 POI	CCA COUN	########	Byron Hot	10	617439	4185807
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	23	2108	33105	20170501	20170501	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	61	37.81968	-121.625	Zone-10 N	T01S, R03E	ABOUT 1.3 W	POLYGO	STOCK POI	Grazing | N	CATTLE GR	306 JUVEN	CCA COUN	########	Clifton Cou	10	620990	4186699
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	24	2109	33104	19970716	19970716	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	60	37.83562	-121.633	Zone-10 N	T01S, R03E	0.2 MILE S(	NEAR NOR	HABITAT C	Improper b	POSSIBLE T	>100 LARV.	CCA COUN	########	Byron Hot	10	620247	4188456
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	127	2110	93802	20100217	20100217	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	140	37.83455	-121.663	Zone-10 N	T01S, R03E	1.8 MILES SW OF BYR(		HABITAT C	Grazing	POSSIBLE T	5 ADULTS /	EBRPD	########	Byron Hot	10	617624	4188300
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	25	2111	95853	20170605	20170605	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	140	37.83372	-121.664	Zone-10 N	T01S, R03E	1.8 MILES !	MAPPED T(	1982-2010	Grazing | N	POSSIBLE T	1 ADULT SI	EBRPD	########	Byron Hot	10	617555	4188207
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	128	2113	33107	19940426	19940426	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	120	37.84447	-121.663	Zone-10 N	T01S, R03E	1.5 MILES WEST OF BY		HABITAT C	Grazing	POSSIBLE T	AN UNKNC	PVT	########	Byron Hot	10	617615	4189400
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	125	4056	30850	19940518	19940518	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	1040	37.77185	-121.698	Zone-10 N	T02S, R02E	0.5 MILE NE OF BRUSH		HABITAT CONSISTS OF A SPRING-I			2 ADULT FI	EBRPD-BRU	########	Byron Hot	10	614694	4181300
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	70	4057	B6547	2002XXXX	2002XXXX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	920	37.77485	-121.697	Zone-10 N	T02S, R02E	0.5 MILE N	SITE NAME	HABITAT CONSISTED OF A BERME			2 LARVAE (	EBRPD-BRU	########	Byron Hot	10	614787	4181634
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	71	4058	30849	20150508	20150508	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	1239	37.76891	-121.709	Zone-10 N	T02S, R02E	0.3 MILE W	PONDS BPI	HABITAT CONSISTED OF A 30-FT X			100+ LARV.	LIVERMOR	########	Byron Hot	10	613669	4180960
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	72	4060	30848	19940513	19940513	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	450	37.96728	-121.837	Zone-10 N	T01N, R01E	0.5 MILE SW OF CONT		HABITAT CONSISTS OF A 125-FT X			2 LARVAE (	EBRPD-COI	########	Antioch So	10	602116	4202822
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	73	4061	30847	19940513	19940513	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	900	37.96726	-121.86	Zone-10 N	T01N, R01E	0.25 MILE EAST OF SO		HABITAT CONSISTS OF AN 80-FT X			10 LARVAE	EBRPD-BLA	########	Antioch So	10	600172	4202795
Oenothera	Antioch Du	Dicots	PDONA0C0	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	9	5204	26065	20110423	20110423	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islar	19	38.00379	-121.729	Zone-10 N	T02N, R02E	OAKLEY LE(	NORTH SID	FINE SAND	Non-native	THREATEN	12-20 PLAN	CITY OF OA	########	Jersey Islar	10	611567	4206997
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	107	5680	25540	1992XXXX	1992XXXX	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Alameda	Byron Hot	875	37.76377	-121.662	Zone-10 N	T02S, R03E	2.5 MILES EAST OF BRI		2007 AERIAL PHOTO SHOWS THAT			SHAFFER SI	UNKNOWN	########	Byron Hot	10	617881	4180448
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	108	5681	25537	19920515	19940518	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	820	37.78018	-121.699	Zone-10 N	T02S, R02E	ALONG S SIDE OF NEW		HABITAT C	Road/trail (	CONSTRUC	SHAFFER SI	UNKNOWN	########	Byron Hot	10	614559	4182223
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	109	5682	25546	19920515	19920515	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	950	37.78022	-121.709	Zone-10 N	T02S, R02E	SOUTH SIDE OF NEW \		HABITAT C	Road/trail (	CONSTRUC	SHAFFER SI	UNKNOWN	########	Byron Hot	10	613729	4182215
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	110	5683	25547	19920515	19920515	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda |	Byron Hot	780	37.78131	-121.704	Zone-10 N	T02S, R02E	2.2 MI E OI	JUST NORT	HABITAT CONSISTS OF A BERM P(			SHAFFER SI	UNKNOWN	########	Byron Hot	10	614158	4182342
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	111	5685	25535	20190215	20190215	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	476	37.79635	-121.681	Zone-10 N	T01S, R03E	EITHER SID	SHAFFER SI	HABITAT C	Road/trail (	CONSTRUC	7 JUVENILE	EBRPD, PVT	########	Byron Hot	10	616102	4184039
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	112	5686	25544	19920515	19920515	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	120	37.8286	-121.66	Zone-10 N	T01S, R03E	ABOUT 2.1	MAPPED G	HABITAT CONSISTED OF A VERNA			SHAFFER SI	PVT-VAQU	########	Byron Hot	10	617916	4187644
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	102	5687	25536	20150404	20150404	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	300	37.83363	-121.685	Zone-10 N	T01S, R03E	PONDS AB(	FEATURE R	PACIFIC TREE FROG, WESTERN TO			ADULTS FC	CCWD-LOS	########	Byron Hot	10	615689	4188171
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	117	5813	25560	19811112	19811112	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	780	37.7685	-121.782	Zone-10 N	T02S, R02E	JUST NORTH OF THE II		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	607290	4180829
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	116	5814	25559	19811121	19811121	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1025	37.77917	-121.776	Zone-10 N	T02S, R02E	ALONG MORGAN TERI		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	607746	4182019
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	115	5815	25558	19810521	19810521	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1350	37.78716	-121.772	Zone-10 N	T02S, R02E	1.5 MILES NNE OF THE		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	608138	4182910
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	111	5816	25554	19811112	19811112	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	2000	37.8049	-121.789	Zone-10 N	T01S, R02E	ALONG MORGAN TERI		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	606605	4184859
Amsinckia ;	large-flowe	Dicots	PDBOR010	Endangere	Endangere	G1	S1	1B.1	SB_UCBG-U	10	5817	25548	19920430	1997XXXX	N	X-None	Extirpated	Circular fea	40	Unknown	Introduced	Contra Cos	Tassajara (	1800	37.80971	-121.774	Zone-10 N	T01S, R02E	LOS VAQUI	PAVLIK SITI	ANNUAL G	Grazing | N	GRAZING, (	374 PLANT	CONTRA C(	########	Tassajara (	10	607933	4185411
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	110	5819	25553	20000406	20000406	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	2175	37.81476	-121.798	Zone-10 N	T01S, R02E	WEST SIDE OF MORGA		HABITAT C	Dam/Inunc	THREATEN	2 ADULTS (	UNKNOWN	########	Tassajara (	10	605789	4185942
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	114	5820	25557	19820225	19820225	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1200	37.8263	-121.772	Zone-10 N	T01S, R02E	1.5 MILES !	RESERVOIR	HABITAT D	Dam/Inunc	THREATEN	2 ADULT FI	CCWD-LOS	########	Tassajara (	10	608054	4187253
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	109	5821	25552	19811112	19811112	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1800	37.82695	-121.806	Zone-10 N	T01S, R01E	VICINITY OF MARSH CI		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	605119	4187287
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	113	5822	25556	20130424	201407XX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	600	37.83829	-121.769	Zone-10 N	T01S, R02E	POND ABO	POND K2.	1998-1999	OBSERVATIONS MADE		DETECTED	CCWD-LOS	########	Tassajara (	10	608317	4188588
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	108	5823	25551	19811105	19811105	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1750	37.83295	-121.813	Zone-10 N	T01S, R01E	VICINITY OF MARSH CI		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	604485	4187945
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	107	5824	25550	19811112	19811112	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1320	37.83761	-121.813	Zone-10 N	T01S, R01E	VICINITY OF MARSH CI		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	604408	4188460
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	106	5825	25549	19811112	19811112	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1030	37.84441	-121.835	Zone-10 N	T01S, R01E	VICINITY OF MARSH CI		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	602473	4189191
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	112	5826	25561	20100225	20100225	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	398	37.86426	-121.771	Zone-10 N	T01S, R02E	VICINITY O	2001 SURV	FARM PON	Grazing | F	THREAT OI	MANY LAR	EBRPD-ROI	########	Tassajara (	10	608108	4191467
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	105	5827	25555	19811121	19811121	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1250	37.86917	-121.847	Zone-10 N	T01S, R01E	0.5 MILE EAST OF MAI		HABITAT C	Dam/Inunc	THREATEN	1 ADULT FI	UNKNOWN	########	Tassajara (	10	601374	4191925
Erysimum (	Contra Cos	Dicots	PDBRA160	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	2	5847	10639	20010414	20010414	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Nc	10	38.01397	-121.783	Zone-10 N	T02N, R02E	SARDIS UN	SARDIS UN	ON STABILI	Developme	INVASIVE N	60 PLANTS	USFWS-AN	########	Antioch Nc	10	606834	4208064
Erysimum (	Contra Cos	Dicots	PDBRA160	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	1	5848	10596	20010407	20010407	N	C-Fair	Presumed	Specific bo	20	Decreasing	Natural/Na	Contra Cos	Antioch Nc	20	38.01507	-121.793	Zone-10 N	T02N, R02E	STAMM UI	MANY SM/	IN DUNES (	Non-native	FORMERLY	~80 PLANT	USFWS-AN	########	Antioch Nc	10	605962	4208175
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	118	6137	24188	19820215	19820215	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1160	37.85771	-121.81	Zone-10 N	T01S, R01E	ALONG SYCAMORE CR		HABITAT C	Non-native	POSSIBLE T	ONE ADUL	UNKNOWN	########	Tassajara (	10	604716	4190695
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	119	6155	25028	1989XXXX	1989XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Alameda	Byron Hot	1000	37.76209	-121.695	Zone-10 N	T02S, R03E	1 MILE WE	MAPPED T(	HABITAT CONSISTS OF A FRESHW.			AN UNKNC	UNKNOWN	########	Byron Hot	10	614978	4180221
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	120	6158	25025	19860326	19860326	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	225	37.81504	-121.651	Zone-10 N	T01S, R03E	1.5 MI SW	FOUND IN	2014 AERIAL PHOTO SHOWS THA			AN UNKNC	PVT	########	Byron Hot	10	618739	4186151
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	121	6159	25026	20130426	20130426	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	320	37.83144	-121.678	Zone-10 N	T01S, R03E	ABOUT 3.3	MAPPED T(	HABITAT CONSISTED OF A VERNA			AN UNKNC	UNKNOWN	########	Byron Hot	10	616322	4187936
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	123	6248	24193	19820214	19820214	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	750	37.76665	-121.782	Zone-10 N	T02S, R02E	VICINITY OF CAYETAN(		HABITAT C	Non-native	POSSIBLE T	ONE ADUL	UNKNOWN	########	Tassajara (	10	607272	4180623
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	124	6251	B6430	20160501	20160501	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	1224	37.78361	-121.771	Zone-10 N	T02S, R02E	WEST OF N	MAPPED T(	HABITAT C	Non-native	POSSIBLE T	1 ADULT O	CCWD, UN	########	Tassajara (	10	608207	4182517
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	125	6252	24190	19811121	19811121	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1700	37.79376	-121.777	Zone-10 N	T02S, R02E	WEST OF MORGAN TE		HABITAT C	Non-native	POSSIBLE T	ONE ADUL	UNKNOWN	########	Tassajara (	10	607636	4183636
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	126	6253	24189	19820215	19820215	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	960	37.86325	-121.79	Zone-10 N	T01S, R02E	NW OF ROUND VALLE'		HABITAT C	Non-native	POSSIBLE T	ONE ADUL	UNKNOWN	########	Tassajara (	10	606419	4191332
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	127	6254	24187	19820215	19820215	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1200	37.86425	-121.813	Zone-10 N	T01S, R01E	VICINITY OF SYCAMOI		HABITAT C	Non-native	POSSIBLE T	ONE ADUL	UNKNOWN	########	Tassajara (	10	604422	4191417
Chloropyrc	soft salty b	Dicots	PDSCR0J0D	Endangere	Rare	G2T1	S1	1B.2	SB_CalBG/	18	6420	24895	1972XXXX	19931006	N	X-None	Possibly Ex	Circular fea	50	Unknown	Natural/Na	Sacrament	Jersey Islar	10	38.0296	-121.751	Zone-10 N	T02N, R02E	ANTIOCH E	SOURCE DOCUMENT LISTS LOCATION AS JUS				ACCORDIN	UNKNOWN	########	Jersey Islar	10	609631	4209835
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	130	6451	25532	20110405	20110405	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	59	37.81138	-121.616	Zone-10 N	T01S, R03E	ABOUT 1.3	AT TWO P(	VERNAL PC	Other	DROUGHT. E	POND: 6	DWR, PVT	########	Clifton Cou	10	621846	4185790
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	60	6561	24683	19930316	19930316	N	D-Poor	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	175	37.76649	-121.571	Zone-10 N	T02S, R04E	0.2 MI EAST OF DELTA		HABITAT CONSISTS OF A STOCK P(			ONE RED-L	UNKNOWN	########	Clifton Cou	10	625829	4180868
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	152	6628	24454	19820704	19820704	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Clifton Cou	15	37.83026	-121.605	Zone-10 N	T01S, R03E	VICINITY OF THE JUNC		HABITAT C	Non-native	POSSIBLE T	AN UNKNC	UNKNOWN	########	Clifton Cou	10	622777	4187899
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	50	6629	24452	19940512	19940512	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1400	37.82669	-121.831	Zone-10 N	T01S, R01E	BLACK HILLS, BETWEEI		HABITAT CONSISTS OF A PERMAN			SITE HAS A	EBRPD-MC	########	Tassajara (	10	602882	4187230
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	153	6630	24449	19820523	19820523	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	300	37.87776	-121.768	Zone-10 N	T01S, R02E	ALONG MARSH CREEK		HABITAT C	Non-native	POSSIBLE T	1 ADULT O	UNKNOWN	########	Antioch So	10	608348	4192967
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	154	6631	24450	19820214	19820214	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	300	37.88398	-121.781	Zone-10 N	T01N, R02E	ALONG MARSH CREEK		HABITAT C	Non-native	POSSIBLE T	1 ADULT O	UNKNOWN	########	Antioch So	10	607225	4193643
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	155	6632	24451	19820214	19820214	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	300	37.88818	-121.785	Zone-10 N	T01N, R02E	ALONG MARSH CREEK		HABITAT C	Non-native	POSSIBLE T	1 ADULT O	UNKNOWN	########	Antioch So	10	606810	4194103
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	156	6633	24447	19820214	19820214	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	450	37.88766	-121.818	Zone-10 N	T01N, R01E	ALONG MARSH CREEK		HABITAT C	Non-native	POSSIBLE T	1 ADULT O	UNKNOWN	########	Antioch So	10	603928	4194009
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	157	6634	24448	19820214	19820214	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	500	37.88518	-121.831	Zone-10 N	T01N, R01E	ALONG MARSH CREEK		HABITAT C	Non-native	POSSIBLE T	1 ADULT O	UNKNOWN	########	Antioch So	10	602810	4193720
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	54	6956	33774	20111011	20111011	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	180	37.85673	-121.698	Zone-10 N	T01S, R02E	ALONG KEI	IT APPEARS	HABITAT C	Vehicle col	THREATEN	2 ADULTS 8	CCWD-LOS	########	Byron Hot	10	614524	4190717
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	57	6965	24333	1988XXXX	1988XXXX	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot	680	37.78696	-121.751	Zone-10 N	T02S, R02E	UNNAMED CREEK, TRIBUTARY TO KELLOGG CREEK, JUST					OBSERVAT	PVT	########	Byron Hot	10	609980	4182913
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	58	6966	24337	20040407	20040407	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	200	37.82456	-121.663	Zone-10 N	T01S, R03E	PONDS AL(	FROGS ARE	HABITAT CONSISTS OF STOCKPON			AN UNKNC	PVT-VAQU	########	Byron Hot	10	617678	4187192
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	59	6967	24338	20180522	20180522	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	900	37.8035	-121.697	Zone-10 N	T01S, R02E	ABOUT 2.5	1989 LOCA	MAN-MADE STOCK PC		SURROUNI	OBSERVED	PVT	########	Byron Hot	10	614707	4184813
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	56	6968	24334	1988XXXX	1988XXXX	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot	680	37.82072	-121.714	Zone-10 N	T01S, R02E	UNNAMED	PROVIDED	NO INFORMATION PROVIDED.			OBSERVAT	PVT	########	Byron Hot	10	613165	4186702
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	55	6970	34018	20130422	201407XX	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	560	37.83224	-121.707	Zone-10 N	T01S, R02E	UNNAMED	POND D4 (	VALLEY GRASSLAND WITH WIDEL'			DETECTED	CCWD-LOS	########	Byron Hot	10	613773	4187989
Laterallus j	California b	Birds	ABNME03(	None	Threatene	G3T1	S2		BLM_S-Ser	109	7052	34892	198111XX	198111XX	N	D-Poor	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Jersey Islar	5	38.006	-121.72	Zone-10 N	T02N, R02E	ABOUT 0.7	MAPPED T(	HABITAT W	Developme	HIGH DENS	3 CALLING	UNKNOWN	########	Jersey Islar	10	612393	4207254
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	100	7053	25516	19860326	19860326	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Clifton Cou	100	37.79235	-121.603	Zone-10 N	T02S, R03E	CREEK LOCATED JUST :		HABITAT IS AN INTERMITTENT CR			AN UNKNC	UNKNOWN	########	Clifton Cou	10	622996	4183695
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	164	7054	25531	19990601	19990601	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	100	37.79615	-121.605	Zone-10 N	T01S, R03E	0.1 MILE N	SITE DGS0:	HABITAT C	Non-native	THREATEN	1 ADULT O	UNKNOWN	########	Clifton Cou	10	622795	4184114
Agelaius tri	tricolored b	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	266	7171	24002	19950521	19950521	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Byron Hot	151	37.8591	-121.667	Zone-10 N	T01S, R03E	~ 2.9 MI W	LOCATION	SERIES OF QUARRY PONDS FROM			250 OBS NI	PVT	########	Byron Hot	10	617286	4191020
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	165	7173	10761	19930910	19930910	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.88864	-121.72	Zone-10 N	T01N, R02E	COWELL R/	MUSEUM I	NON-NATI'	Developme	DEVELOPN	LARVA OBS	UNKNOWN	########	Brentwood	10	612515	4194231
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	166	7174	24155	19930910	19930910	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	180	37.90679	-121.738	Zone-10 N	T01N, R02E	COWELL R/	1986 OBSE	STOCK POI	Developme	DEVELOPN	LARVA OBS	UNKNOWN	########	Brentwood	10	610948	4196224
Agelaius tri	tricolored b	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	267	7175	24001	19890511	20080427	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Brentwood	170	37.88363	-121.726	Zone-10 N	T01N, R02E	W SIDE OF	COLONY D/	CATTAILS AROUND RESERVOIR AI			ABOUT 10(	UNKNOWN	########	Brentwood	10	612022	4193668
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	318	9027	21022	20000629	20000629	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	5	37.80272	-121.532	Zone-10 N	T01S, R04E	ALONG WEST BANK OI		NEST TREE IS A LARGE, ISOLATED			NEST AND	PVT	########	Clifton Cou	10	629249	4184942
Amsinckia ;	large-flowe	Dicots	PDBOR010	Endangere	Endangere	G1	S1	1B.1	SB_UCBG-U	3	9687	25568	19930428	19960423	N	X-None	Extirpated	Circular fea	40	Decreasing	Introduced	Contra Cos	Antioch So	1150	37.95969	-121.864	Zone-10 N	T01N, R01E	NW OF STE	PAVLIK SITI	ANNUAL G	Grazing | N	COMPETITI	288 PLANT	EBRPD-BLA	########	Antioch So	10	599803	4201951
Amsinckia ;	large-flowe	Dicots	PDBOR010	Endangere	Endangere	G1	S1	1B.1	SB_UCBG-U	9	9688	82442	20100326	2012XXXX	N	U-Unknow	Presumed	Specific bo	20	Decreasing	Introduced	Contra Cos	Antioch So	1200	37.96452	-121.873	Zone-10 N	T01N, R01E	LOUGHER I	MAPPED B.	ANNUAL G	Non-native	COMPETITI	POPULATIC	EBRPD-BLA	########	Antioch So	10	598979	4202477
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	27	9724	20135	20020923	20020923	N	B-Good	Presumed	Non-specif	30	Stable	Natural/Na	Alameda	Clifton Cou	160	37.75852	-121.574	Zone-10 N	T02S, R04E	ABOUT 1 N	FROGS UTI	HEAVILY GI	Developme	THREATS IN	100+ OBSE	DWR, PVT	########	Clifton Cou	10	625631	4179980
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	181	9757	17086	19891125	19891125	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	200	37.96611	-121.814	Zone-10 N	T01N, R01E	ALONG FRE	9 ADULTS F	RURAL GR/	Developme	A LOT OF H	CONTRA L(	UNKNOWN	########	Antioch So	10	604185	4202718
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	202	11661	33474	19940512	19940512	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1600	37.83858	-121.803	Zone-10 N	T01S, R02E	4 MILES NNE OF TASS/		HABITAT CONSISTS OF A STOCK P(			AN UNKNC	EBRPD-MC	########	Tassajara (	10	605327	4188580
Branchinec	longhorn fa	Crustacean	ICBRA0302	Endangere	None	G2	S2		IUCN_EN-E	3	12022	17236	20180405	20180405	Y	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	830					*SENSITIVE	PLEASE CO	SMALL SEASONAL POOLS ON SANDSTONE OUTCROPS.					########	Byron Hot	0		
Branchinec	longhorn fa	Crustacean	ICBRA0302	Endangere	None	G2	S2		IUCN_EN-E	2	12023	17232	20180403	20180403	Y	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	913					*SENSITIVE	PLEASE CO	SMALL SEASONAL POOLS ON SANDSTONE OUTCROPS. A					########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	28	12069	17129	19891107	19891107	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	120	37.78476	-121.587	Zone-10 N	T02S, R04E	0.5 MI WE!	MORE THA	ARTIFICIAL	Developme	HEAVY GRAZING. DEVI		PVT	########	Clifton Cou	10	624459	4182874

Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			25	12104	17062	19900625	19900625	N	A-Excellent	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (	1780	37.84592	-121.803	Zone-10 N	T01S, R02E	1.2 MILES !	MAPPED T	OAK WOOI	Grazing	LIVESTOCK	SNAKE OBS	EBRPD-MC	########	Tassajara (	10	605319	4189395
Apodemia	Lange's me	Insects	IILEPH7012	Endangere	None	G5T1	S1			1	12922	72474	20080829	20080829	Y	U-Unknow	Presumed	Non-specif	30	Decreasing	Natural/Na	Contra Cos	Antioch Nc	10					*SENSITIVE	PLEASE CO	LARVAL FO	Mining | R	BURNING, DISKING, SAND MININ(			########	Antioch Nc	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	201	13529	33473	19940512	19940512	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1760	37.83329	-121.818	Zone-10 N	T01S, R01E	3.7 MILES NNE OF TAS		HABITAT CONSISTS OF A STOCK P			AN UNKNC	EBRPD-MC	########	Tassajara (	10	603979	4187976
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	200	13530	33472	19940512	19940512	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1960	37.82544	-121.811	Zone-10 N	T01S, R01E	TRIBUTARY TO MARSH		HABITAT CONSISTS OF A STOCK P			BOTH ADU	EBRPD-MC	########	Tassajara (	10	604646	4187113
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	199	13531	33471	20150430	20150430	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	2000	37.82089	-121.794	Zone-10 N	T01S, R02E	ABOUT 30(	NEAR JUN(	HABITAT CONSISTED OF STOCK P(			AN UNKNC	EBRPD-MC	########	Tassajara (	10	606118	4186627
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	32	13583	17143	19900716	19900716	N	A-Excellent	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	550	37.94353	-121.825	Zone-10 N	T01N, R01I	BLACK DIAMOND MINE, BLACK DI			Grazing			EBRPD-BLA	########	Antioch So	10	603223	4200200
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	202	13589	17085	19891126	19891126	N	C-Fair	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	300	37.95539	-121.806	Zone-10 N	T01N, R01I	EMPIRE MINE RD, 0.9 MI S OF LONE TREE RD INTERSECTION, SE AN1						PVT-NORTI	########	Antioch So	10	604924	4201538
Oenothera	Antioch Du	Dicots	PDONA0C(	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	4	13827	10622	20010414	20010414	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Antioch Nc	40	38.01371	-121.783	Zone-10 N	T02N, R02I	DUNES EAS	SARDIS UN	GROWING	Non-native	INVASIVE E	90 PLANTS	PVT, USFW	########	Antioch Nc	10	606798	4208035
Oenothera	Antioch Du	Dicots	PDONA0C(	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	1	13828	10588	20010407	20010407	N	C-Fair	Presumed	Specific bo	20	Decreasing	Natural/Na	Contra Cos	Antioch Nc	10	38.01575	-121.796	Zone-10 N	T02N, R02I	DUNES EAS	STAMM UI	GROWING	Non-native	SAND EXC/	MANY PLA	USFWS-AN	########	Antioch Nc	10	605693	4208246
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	203	13984	17089	20160411	20160411	N	C-Fair	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Midway (3'	549	37.74482	-121.635	Zone-10 N	T02S, R03E	1.7 MI OF I	MAPPED FI	OPEN, GRA	Grazing | C	HEAVY CO	OBSERVED	UNKNOWN	########	Altamont (	10	620283	4178381
Oenothera	Antioch Du	Dicots	PDONA0C(	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	5	14543	10851	20110610	20110610	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Transplant	Sacrament	Jersey Islar	10	38.1176	-121.685	Zone-10 N	T03N, R03I	NORTHEAS	NORTHERN	APPEARS T	Non-native	THREATEN	TRANSPLAI	DPR-BRANI	########	Jersey Islar	10	615239	4219680
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	103	15615	89562	20191002	20191002	N	B-Good	Presumed	Non-specif	30	Fluctuating	Natural/Na	Contra Cos	Byron Hot	300	37.84099	-121.723	Zone-10 N	T01S, R02E	KELLOGG C	1940 SPECI	HISTORICA	Dam/Inunc	DAM CONS	COLLECTEI	CCWD-LOS	########	Byron Hot	10	612321	4188940
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	208	16693	70506	20170511	20170511	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	175	37.84502	-121.683	Zone-10 N	T01S, R03E	CREEK IMP	INTERMITT	FARM PON	Non-native	POSSIBLE [	1 ADULT O	EBRPD-VAS	########	Byron Hot	10	615855	4189437
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	212	16985	34032	20170511	20180522	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	870	37.80957	-121.703	Zone-10 N	T01S, R02E	2.3 MI SE C	SITE NAME	GRASSLAN	Non-native	POSSIBLE T	MANY JUV	PVT, CCWI	########	Byron Hot	10	614173	4185479
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	215	17575	34022	19811121	19811121	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	100	37.82684	-121.642	Zone-10 N	T01S, R03E	ARMSTRON	ROADSIDE,	GRASSLAN	Non-native	BULLFROG	ONE ADUL'	PVT	########	Byron Hot	10	619501	4187471
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	216	17594	34029	19820214	19820214	N	X-None	Possibly Ex	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	40	37.83652	-121.624	Zone-10 N	T01S, R03E	ROADSIDE, BYRON HO		FARM PON	Non-native	POSSIBLE [	1 ADULT O	PVT	########	Clifton Cou	10	621105	4188569
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	218	17609	34020	20170517	20170517	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	161	37.84638	-121.673	Zone-10 N	T01S, R03E	1.1 MILES !	SITES: PON	HABITAT C	Non-native	POSSIBLE T	640 JUVEN	PVT	########	Byron Hot	10	616733	4189600
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	219	18023	34023	20180203	20180203	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	544	37.81638	-121.695	Zone-10 N	T01S, R03E	ABOUT 2.3	PONDS 18, STOCK PON		Non-native	POSSIBLE [	44 JUVENII	EBRPD	########	Byron Hot	10	614900	4186245
Oenothera	Antioch Du	Dicots	PDONA0C(	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	7	18813	10368	20081006	20081006	N	U-Unknow	Presumed	Specific bo	20	Unknown	Transplant	Contra Cos	Antioch Nc	5	38.03349	-121.869	Zone-10 N	T02N, R01I	SOUTHERN	MAPPED W	IN SAND DUNES.			10 PLANTS	EBRPD	########	Antioch Nc	10	599260	4210135
Oenothera	Antioch Du	Dicots	PDONA0C(	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	8	18814	10328	1984XXXX	1984XXXX	N	U-Unknow	Presumed	Circular fea	50	Unknown	Transplant	Contra Cos	Antioch North (38121:		38.03964	-121.878	Zone-10 N	T02N, R01I	ON THE WEST END OF		IN SAND DUNES. ASSO		ONLY APPA	10 PLANTS	PVT, REG P	########	Honker Bay	10	598480	4210807
Oenothera	Antioch Du	Dicots	PDONA0C(	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	3	18815	10673	19780718	20110509	N	X-None	Possibly Ex	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch Nc	50	38.00491	-121.764	Zone-10 N	T02N, R02I	E 18TH ST,	EXACT LOCATION UNK		Developme	HOUSING [	1 PLANT OI	PVT	########	Antioch Nc	10	608501	4207080
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	234	21100	76552	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	760	37.822	-121.709	Zone-10 N	T01S, R02E	SPRING (ST	POND D6. I	SPRING, FA	Non-native	POSSIBLE [	27 JUVENII	CCWD-LOS	########	Byron Hot	10	613662	4186851
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	235	21411	34018	20150403	20150403	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	560	37.83224	-121.707	Zone-10 N	T01S, R02E	UNNAMED	POND D4 (	HABITAT C	Foot traffic	POSSIBLE T	329 JUVEN	CCWD-LOS	########	Byron Hot	10	613773	4187989
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	134	21450	31328	19820214	19820214	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	400	37.88749	-121.817	Zone-10 N	T01N, R01I	MARSH CREEK, FROM		HABITAT C	Dam/Inunc	THREATS II	1 ADULT O	UNKNOWN	########	Antioch So	10	604027	4193991
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	236	21645	34028	19820213	20011030	N	X-None	Possibly Ex	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	30	37.86385	-121.636	Zone-10 N	T01S, R03E	ROADSIDE,	1982: FARI	FARM PON	Agriculture	1982: POSS	1 ADULT O	PVT	########	Byron Hot	10	620013	4191586
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	237	21694	34033	19820610	19820610	N	B-Good	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	260	37.85261	-121.67	Zone-10 N	T01S, R03E	ABOUT 0.8 MI S OF CA		AREA DESC	Non-native	POSSIBLE [	1 ADULT E/	UNKNOWN	########	Byron Hot	10	617004	4190296
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	238	21695	34019	19820407	19820407	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot	100	37.84611	-121.654	Zone-10 N	T01S, R03E	1.2 MI W C	SPRINGS O	SPRINGS, F	Non-native	POSSIBLE [	1 ADULT O	PVT	########	Byron Hot	10	618459	4189595
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	239	21841	34027	19810213	19810213	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	687	37.81565	-121.683	Zone-10 N	T01S, R03E	NW SIDE O	FARM PON	FARM PON	Non-native	POSSIBLE [	2 ADULTS (	EBRPD	########	Byron Hot	10	615914	4186178
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	240	21936	34024	19820214	19820214	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	300	37.78249	-121.629	Zone-10 N	T02S, R03E	2.3 AIR MII	ROADSIDE,	GRASSLAN	Non-native	POSSIBLE [	1 ADULT O	PVT	########	Byron Hot	10	620700	4182567
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	241	22050	68168	20070921	20070921	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	700	37.77306	-121.669	Zone-10 N	T02S, R03E	TRIBUTARY	1989: 2 FAI	HABITAT C	Developme	POSSIBLE [	6 AD & 14 .	PVT, DWR	########	Byron Hot	10	617238	4181471
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	243	22414	22174	19910228	19910228	N	X-None	Possibly Ex	Circular fea	50	Unknown	Natural/Na	Contra Cos	Clifton Cou	40	37.83196	-121.625	Zone-10 N	T01S, R03E	NW OF THI	MAPPED T	KNOWN BI	Developme	THREATEN	1 ADULT SI	CCA COUN	########	Clifton Cou	10	620979	4188061
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	244	22496	34025	20170605	20170605	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	404	37.80647	-121.659	Zone-10 N	T01S, R03E	ALONG DIF	BRUSHY CF	NON-NATI'	Foot traffic	POSSIBLE T	1 ADULT O	EBRPD-BYF	########	Byron Hot	10	618053	4185190
Reithrodor	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	66	23862	10497	19850327	19850327	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch North (38121:		38.02116	-121.833	Zone-10 N	T02N, R01I	MARSHLAN	23 INDIVIDUALS CAPTI		Developme	AREA PROPOSED FOR		PVT-US STE	########	Antioch Nc	10	602474	4208806
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	246	24441	10724	19820410	19820410	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Altamont (	800	37.75115	-121.731	Zone-10 N	T02S, R02E	10.8 MI S J	FOUND NE	FARM PON	Non-native	THREATEN	1 COLLECTI	PVT	########	Byron Hot	10	611826	4178963
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	247	24935	24338	20180522	20180522	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	820	37.8035	-121.697	Zone-10 N	T01S, R02E	ABOUT 2.5	VASCO WII	FARM PON	Non-native	POSSIBLE [	88 LARVAE	PVT, EBRPI	########	Byron Hot	10	614707	4184813
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	248	24980	76708	20150404	20150404	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	280	37.83762	-121.695	Zone-10 N	T01S, R03E	2.7 MILES !	PONDS AN	HABITAT C	Grazing | N	POSSIBLE [	COLLECTEI	CCWD-LOS	########	Byron Hot	10	614791	4188601
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	249	24985	10740	19820410	1992XXXX	N	X-None	Possibly Ex	Non-specif	30	Decreasing	Natural/Na	Contra Cos	Byron Hot	400	37.81934	-121.733	Zone-10 N	T01S, R02E	LOS VAQUI	MVZ #6748	FARM/STO	Developme	INTRODUC	2 COLLECTI	CCWD-LOS	########	Byron Hot	10	611531	4186527
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	250	25033	33108	19821226	19821226	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	386	37.81027	-121.678	Zone-10 N	T01S, R03E	ALONG TRI	FARM PON	FARM PON	Non-native	POSSIBLE [	13 ADULTS	EBRPD	########	Byron Hot	10	616393	4185587
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	251	25326	34030	19821226	19821226	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	800	37.81294	-121.688	Zone-10 N	T01S, R03E	NEAR ROAI	FARM PON	GRASSLAN	Non-native	POSSIBLE [	1 ADULT O	EBRPD	########	Byron Hot	10	615525	4185871
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	319	25476	21060	19890629	19890629	N	B-Good	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Bouldin Isla	10	38.05119	-121.512	Zone-10 N	T02N, R04I	NORTH EN	NEST TREE	HABITAT IS RIPARIAN DOMINATEI			ONE ADUL'	UNKNOWN	########	Bouldin Isla	10	630582	4212540
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	94	25779	11179	19880526	19880526	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Woodward	5	37.92158	-121.522	Zone-10 N	T01N, R04I	MID-CHANNEL ISLAND		HABITAT IS EMERGEN'		NO CURREI	ONE BIRD I	UNKNOWN	########	Woodward	10	629916	4198144
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	93	25780	11165	20100325	20100325	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Woodward	6	37.92962	-121.529	Zone-10 N	T01N, R04I	ISLAND IN	MAPPED T	HABITAT WAS EMERG		NO THREA'	ONE BIRD I	UNKNOWN	########	Woodward	10	629296	4199027
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	92	25781	11167	20100426	20100426	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	San Joaqui	Woodward	6	37.95002	-121.529	Zone-10 N	T01N, R04I	ISLAND IN	CALTRANS	HABITAT IS A MARSH AND TULE "			2 DETECTI(	STATE	########	Woodward	10	629223	4201290
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	252	26498	24158	20130417	20130417	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Clifton Cou	125	37.7894	-121.606	Zone-10 N	T02S, R03E	NORTH AN	BORGES R/	HABITAT CONSISTS OF VERNAL P(			LARVAE OE	PVT	########	Clifton Cou	10	622723	4183364
Thamnoph	giant garte	Reptiles	ARADB361	Threatene(	Threatene(	G2	S2		IUCN_VU-\	47	27584	94624	19XXXXXX	1987XXXX	N	U-Unknow	Presumed	Circular fea	70	Unknown	Natural/Na	Contra Cos	Jersey Islar	25	38.02329	-121.751	Zone-10 N	T02N, R02I	SAN JOAQI	MAPPED A	LOCATION DATA INTERPRETED FR			SPECIMEN	UNKNOWN	########	Jersey Islar	10	609635	4209136
Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			24	27606	10636	20051005	20051005	N	A-Excellent	Presumed	Non-specif	30	Stable	Natural/Na	Contra Cos	Tassajara (	1850	37.81338	-121.776	Zone-10 N	T01S, R02E	MALLORY I	MAPPED P	HARD CHAPARRAL, COASTAL SAG			4, 1979-82	CCWD-LOS	########	Tassajara (	10	607761	4185816
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	161	29131	34691	19930504	19930504	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	570	37.77589	-121.86	Zone-10 N	T02S, R01E	TASSAJAR/	FROGS FOI	DOWNSTRI	Developme	POSSIBLE T	1 JUVENILE	PVT, OTHEI	########	Tassajara (	10	600369	4181561
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	51	29133	24453	20150410	20150410	N	B-Good	Presumed	Non-specif	30	Fluctuating	Natural/Na	Contra Cos	Tassajara (	560	37.83369	-121.771	Zone-10 N	T01S, R02E	RESERVOIR	POND K4, I	HABITAT WAS A MAN-MADE PON			ADULTS FC	CCWD-LOS	########	Tassajara (	10	608143	4188074
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	307	29134	24453	20150409	20150409	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	580	37.83369	-121.771	Zone-10 N	T01S, R02E	RESERVOIR	MITIGATIO	STOCK POND. RED-LEGGED FROG,			UNKNOWN	CCWD-LOS	########	Tassajara (	10	608143	4188074
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	220	31179	36182	19970430	19970430	N	D-Poor	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	60	37.85123	-121.649	Zone-10 N	T01S, R03E	0.8 MILE WNW OF BYI		HABITAT C	Grazing | C	THREATEN	ON 30 APR	UNKNOWN	########	Byron Hot	10	618878	4190169
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	221	31448	36451	20200820	20200820	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda |	Livermore	601	37.74887	-121.855	Zone-10 N	T02S, R01E	VICINITY O	MAPPED T	ADULTS FC	Grazing | C	OVERGRAZ	4 ADULTS 8	PVT	########	Livermore	10	600894	4178570
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	222	31453	34681	19920520	19920520	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Livermore	460	37.74643	-121.875	Zone-10 N	T02S, R01E	TASSAJAR/	GLIDES, PC	PATCHES C	Grazing	GRAZING.	7 ADULTS /	PVT	########	Livermore	10	599104	4178277
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	223	31456	36459	19930504	19930504	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	560	37.75793	-121.872	Zone-10 N	T02S, R01E	TASSAJAR/	CREEK ANI	CREEK SITE SURROUNDED BY WIL			30 JUVENII	PVT	########	Tassajara (	10	599335	4179556
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	693	31521	36524	20160411	20160411	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Clifton Cou	4	37.79933	-121.528	Zone-10 N	T01S, R04E	S SIDE OF (	NW POLYG	1987: NEST 0-50' UP II		CONSTRUC	NEST-BUILI	PVT	########	Clifton Cou	10	629607	4184571
Reithrodor	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	136	32561	37559	20150930	20150930	N	C-Fair	Presumed	Non-specif	30	Unknown	Natural/Na	Solano	Antioch Nc	0	38.07319	-121.863	Zone-10 N	T03N, R01I	MONTEZUI	AREA SURV	DIKED, SPA	Grazing | C	CATTLE GR	1985-1994	PVT	########	Antioch Nc	10	599695	4214545
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	248	33573	38566	19970716	19970716	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	70	37.83195	-121.635	Zone-10 N	T01S, R03E	BRUSHY CREEK POND		MANMADE LACUSTRINE HABITAT			RLF OBSER'	UNKNOWN	########	Byron Hot	10	620146	4188048
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	249	33589	38582	19970716	19970716	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	60	37.83645	-121.639	Zone-10 N	T01S, R03E	FOREBAY SITE, 0.75 M		MANMADI	Non-native	THREATS II	RLF OBSER'	UNKNOWN	########	Byron Hot	10	619740	4188541
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	250	33594	38587	19970716	19970716	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	60	37.82919	-121.635	Zone-10 N	T01S, R03E	BRUSHY CREEK SITE, 1		RIPARIAN I	Non-native	THREATS II	RLF OBSER'	UNKNOWN	########	Byron Hot	10	620164	4187741
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	341	33599	38592	20170501	20170501	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	40	37.82246	-121.618	Zone-10 N	T01S, R03E	ABOUT 0.6	MAPPED T	MANMADE PONDS <100 SQUARE			NOT FOUN	UNKNOWN	########	Clifton Cou	10	621652	4187016
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	352	33746	38739	19980402	19980402	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	255	37.93122	-121.784	Zone-10 N	T01N, R02I	JUST SOUT	SITE RODY(	HABITAT C	Developme	THREATS II	2 LARVAE (	PVT	########	Antioch So	10	606881	4198881
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	353	33748	38741	19980322	19980322	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	290	37.93436	-121.793	Zone-10 N	T01N, R02I	HORSE VALLEY, 0.9 MI		HABITAT C	Developme	THREATEN	AT THE VEI	PVT	########	Antioch So	10	606059	4199219
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	252	33749	38741	20030326	20030326	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	290	37.93436	-121.793	Zone-10 N	T01N, R02I	HORSE VAI	RECENT FI	HABITAT C	Developme	THREATEN	AT THE STC	PVT	########	Antioch So	10	606059	4199219
Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			47	33860	72652	20040414	20040414	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	1025	37.78025	-121.776	Zone-10 N	T02S, R02E	MORGAN 1	MAPPED TO PROVIDED DESCRIPT			ALTHOUGI	1 MALE AD	UNKNOWN	########	Tassajara (	10	607760	4182139
Thamnoph	giant garte	Reptiles	ARADB361	Threatene(	Threatene(	G2	S2		IUCN_VU-\	150	34778	39776	19980824	19980824	N	C-Fair	Presumed	Non-specif	30	Unknown	Natural/Na	Sacrament	Jersey Islar	0	38.08689	-121.708	Zone-10 N	T03N, R02I	BETWEEN I	SNAKE OBS	VEGETATIC	Erosion/ru	THREATEN	1 ADULT SI	UNKNOWN	########	Jersey Islar	10	613327	4216244
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	263	35062	40060	19970306	19970306	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	100	37.80566	-121.622	Zone-10 N	T01S, R03E	JUST NORT	SITE IS LOC	HABITAT CONSISTS OF A SMALL D			5 ADULT FI	DWR	########	Clifton Cou	10	621340	4185147
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	264	35063	40061	20050309	20050309	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	200	37.79277	-121.623	Zone-10 N	T02S, R03E	UNNAMED	SITE IS LOC	HABITAT CONSISTS OF A SMALL, F			1 ADULT O	DWR	########	Clifton Cou	10	621244	4183715
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	265	35064	40062	20050131	20050131	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	200	37.78631	-121.62	Zone-10 N	T02S, R03E	JUST SOUT	CA MP 4.4:	HABITAT CONSISTS OF A PERENNI			1 ADULT O	DWR	########	Clifton Cou	10	621480	4183002
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	266	35065	40063	20050309	20050309	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	160	37.78206	-121.608	Zone-10 N	T02S, R03E	DRAINAGE,	CALIF. AQL	DRAINAGE/SEEP VEGETATED BY A			1 JUV SEEN	DWR	########	Clifton Cou	10	622599	4182547
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	267	35066	40064	19970707	19970707	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	340	37.7737	-121.604	Zone-10 N	T02S, R03E	SW SHORE	SITE IS LOC	HABITAT CONSISTS OF A DENSE P.			ONE ADUL'	DWR	########	Clifton Cou	10	622948	4181624
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	270	35285	40278	19990707	19990707	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	510	37.81509	-121.695	Zone-10 N	T01S, R03E	UNNAMED	LARVAE AN	HABITAT C	Other	POSSIBLE T	LARGE POF	PVT	########	Byron Hot	10	614896	4186101
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	272	35287	40280	19980624	19980624	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	420	37.80765	-121.679	Zone-10 N	T01S, R03E	TRIBUTARY TO BRUSH		HABITAT C	Other	POSSIBLY T	LARGE POF	PVT	########	Byron Hot	10	616268	4185295
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	355	35288	40280	20170509	20170509	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	420	37.80765	-121.679	Zone-10 N	T01S, R03E	TRIBUTARY	POND 23	HABITAT C	Other	POSSIBLY T	CTS LARVA	EBRPD-VAS	########	Byron Hot	10	616268	4185295
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	356	35289	33109	19980624	19980624	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	300	37.81554	-121.672	Zone-10 N	T01S, R03E	TRIBUTARY	VASCO CA'	HABITAT C	Other	POSSIBLY T	CTS LARVA	EBRPD	########	Byron Hot	10	616878	4186179
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	276	35454	40447	19980619	19980619	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Byron Hot	840	37.75667	-121.732	Zone-10 N	T02S, R02E	EAST AND '	1 OBSERVE	HABITAT C	Landfill	THREATEN	1 ADULT O	PVT-BROW	########	Byron Hot	10	611680	4179574
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	286	40833	40833	19980622	19980622	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	300	37.95094	-121.806	Zone-10 N	T01N, R01I	SAND CREEK, EAST AN		HABITAT C	Developme	POSSIBLE T	3 ADULTS /	PVT	########	Antioch So	10	604873	4201043
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	300	41131	41131	20030818	20030818	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	130	37.79976	-121.614	Zone-10 N	T01S, R03E	JUST EAST	EASTERN P	1998: SMA	Grazing | R	THREATEN	2 ADULTS /	DWR	########	Clifton Cou	10	622013	4184503
Thamnoph	giant garte	Reptiles	ARADB361	Threatene(	Threatene(	G2	S2		IUCN_VU-\	151	41320	41320	1996XXXX	1996XXXX	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Bouldin Isla	5	38.02464	-121.512	Zone-10 N	T02N, R04I	NORTH SID	ISLAND IN1	VEGETATEI	Other	THREATEN	SNAKE SKII	PVT	########	Bouldin Isla	10	630568	4209593
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			21	41364	41364	19950622	19950622	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	220	37.96992	-121.824	Zone-10 N	T02N, R01I	SOUTH END OF CONTI		HABITAT C	Developme	THREATEN	1 INDIVIDU	EBRPD-COI	########	Antioch So	10	603274	4203129
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			22	41367	41367	19911111	19911111	N	B-Good	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	700	37.96156	-121.863	Zone-10 N	T01N, R01I	MARKLEY CANYON VI(		HABITAT C	Developme	THREATEN	1 INDIVIDU	EBRPD	########	Antioch So	10	599877	4202159
Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			49	41592	41592	19990528	19990528	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	800	37.81247	-121.857	Zone-10 N	T01S, R01E	TASSAJAR/	MAPPED T	HABITAT CONSISTS OF GRAZED RI			1 ADULT F(	PVT	########	Tassajara (	10	600583	4185623
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	212	41660	41660	19990310	19990310	N	D-Poor	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Nc	1	38.01905	-121.846	Zone-10 N	T02N, R01I	ACCESS RO	PONDING I	NON-VEGE	Developme	CONSTRUC	POPULATI(	PVT-DOW (	########	Antioch Nc	10	601302	4208557
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	215	41672	41672	19970131	19970131	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	220	37.89254	-121.759	Zone-10 N	T01N, R02I	COWELL R/	POOLS #'S	SEVERAL O	Developme	POTENTIAL	POOL #15 '	PVT	########	Antioch So	10	609106	4194618
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	216	41673	41673	19970109	19970109	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	140	37.89762	-121.721	Zone-10 N	T01N, R02I	COWELL R/	1993: POO	NON-NATI'	Developme	POTENTIAL	4 MAR 199	PVT	########	Brentwood	10	612428	4195226
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	217	41674	41674	19930304	19930304	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	240	37.90127	-121.731	Zone-10 N	T01N, R02I	COWELL R/	1993: POO	NON-NATI'	Developme	POTENTIAL	1999: NO I	PVT	########	Brentwood	10	611604	4195620

Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-\	219	41752	41752	20170214	20170214	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	100	37.8247	-121.633	Zone-10 N	T01S, R03E	VICINITY O	BYRON RAI	GRAZED ANNUAL AND ALKALI GR.			MANY ADU	CCA COUN	########	Byron Hot	10	620302	4187245
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	375	41846	41846	19930910	19930910	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	139	37.90438	-121.724	Zone-10 N	T01N, R02E	COWELL R/	STOCK PON	AREA INDIC	Developme	DEVELOPM	LARVA OBS	UNKNOWN	########	Brentwood	10	612146	4195973
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	376	41847	41847	19930910	19930910	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.90511	-121.75	Zone-10 N	T01N, R02E	COWELL R/	POOL IN DI	NON-NATI	Developme	DEVELOPM	LARVA OBS	UNKNOWN	########	Brentwood	10	609896	4196023
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	377	41849	41849	20030327	20030327	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.90269	-121.732	Zone-10 N	T01N, R02E	COWELL R/	1993: STO(	NON-NATI	Developme	DEVELOPM	LARVA OBS	PVT-COWE	########	Brentwood	10	611458	4195776
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	378	41850	41850	20030327	20030327	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	260	37.899	-121.734	Zone-10 N	T01N, R02E	COWELL R/	1993: STO(	GRAZED, N	Developme	DEVELOPM	LARVA OBS	PVT-COWE	########	Brentwood	10	611319	4195364
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	379	41851	41851	20050412	20050412	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.89718	-121.727	Zone-10 N	T01N, R02E	COWELL R/	STOCK PON	HABITAT C	Developme	THREATEN	LARVA OBS	PVT	########	Brentwood	10	611898	4195170
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	380	41852	41852	19930910	19930910	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.88319	-121.734	Zone-10 N	T01N, R02E	COWELL R/	STOCK PON	PRIMARILY	Developme	DEVELOPM	LARVA OBS	UNKNOWN	########	Brentwood	10	611304	4193609
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	381	41854	41854	19930910	19930910	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.88488	-121.744	Zone-10 N	T01N, R02E	COWELL R/	STOCK PON	PRIMARILY	Developme	DEVELOPM	LARVA OBS	UNKNOWN	########	Brentwood	10	610468	4193786
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	382	41855	41855	20030528	20030528	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	220	37.89111	-121.751	Zone-10 N	T01N, R02E	COWELL R/	1993: STO(	GRAZED VALLEY SINK		SITE NOW	10 SEP 199	DPR	########	Brentwood	10	609845	4194469
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	383	41856	41856	19930910	19930910	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	230	37.88322	-121.712	Zone-10 N	T01N, R02E	COWELL R/	STOCK PON	NON-NATI	Developme	DEVELOPM	LARVA OBS	UNKNOWN	########	Brentwood	10	613305	4193640
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	384	41857	41857	19930910	19930910	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	160	37.88386	-121.704	Zone-10 N	T01N, R02E	COWELL R/	STOCK PON	NON-NATI	Developme	DEVELOPM	LARVA OBS	UNKNOWN	########	Brentwood	10	613934	4193720
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	385	41860	41860	19930910	19930910	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	270	37.89478	-121.767	Zone-10 N	T01N, R02E	COWELL R/	POOL #P1.	NON-NATI	Developme	DEVELOPM	UNKNOWN	UNKNOWN	########	Antioch So	10	608428	4194857
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	386	41861	41861	20030528	20030528	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	240	37.88936	-121.757	Zone-10 N	T01N, R02E	COWELL R/	1993 OBSE	GRAZED V/	Other	IF GRAZINC	10 SEP 199	DPR	########	Antioch So	10	609305	4194267
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-\	224	41966	41966	19970109	19970109	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	210	37.89163	-121.742	Zone-10 N	T01N, R02E	COWELL R/	VERNAL PC	GRASSLAND WITH SEASONALLY P			MANY OBS	PVT	########	Brentwood	10	610631	4194537
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			51	42097	42097	19990606	19990606	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	915	37.9127	-121.865	Zone-10 N	T01N, R01E	0.6 MILE N	MAPPED T(	HABITAT CONSISTS OF A CHAPARI			1 INDIVIDU	EBRPD, PV	########	Antioch So	10	599753	4196736
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			52	42098	42098	19990603	19990603	N	B-Good	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	915	37.92159	-121.875	Zone-10 N	T01N, R01E	VICINITY O	MAPPED T(	HABITAT CONSISTS OF A CHAPARI			3 INDIVIDU	SAVE MOU	########	Antioch So	10	598874	4197712
Lasthenia c	Contra Cos	Dicots	PDAST5L04	Endangere	None	G1	S1	1B.1	SB_UCBG-l	8	42501	10572	18950407	1921XXXX	N	X-None	Extirpated	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch So	50	38.00282	-121.803	Zone-10 N	T02N, R02E	ANTIOCH. EXACT LOC		DESCRIBED	Developme	AREA DEVE	OCCURREN	UNKNOWN	########	Antioch Nc	10	605091	4206803
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	393	42534	42534	19980622	19980622	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	250	37.95501	-121.78	Zone-10 N	T01N, R02E	WEST SIDE OF DEER V/		HABITAT CONSISTS OF A RESERVC			OBSERVED	UNKNOWN	########	Antioch So	10	607223	4201526
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	394	42535	42535	19980622	19980622	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	300	37.93924	-121.788	Zone-10 N	T01N, R02E	0.5 MILE NORTH OF EI		HABITAT CONSISTS OF A STOCK P(			OBSERVED	PVT	########	Antioch So	10	606485	4199766
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	395	42536	42536	19980622	19980622	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	380	37.94565	-121.807	Zone-10 N	T01N, R01E	WEST SIDE OF EMPIRE		HABITAT CONSISTS OF A STOCK P(			OBSERVED	UNKNOWN	########	Antioch So	10	604829	4200456
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	396	42537	42537	19980622	19980622	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	370	37.94276	-121.791	Zone-10 N	T01N, R02E	1 MILE NW OF THE IN		HABITAT CONSISTS OF A SERIES O			OBSERVED	PVT	########	Antioch So	10	606268	4200154
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	399	42797	42797	19990429	19990429	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	680	37.90276	-121.869	Zone-10 N	T01N, R01E	NORTH SID	SHAFFER S	HABITAT C	Grazing	POSSIBLE T	CTS PRESEI	PVT	########	Antioch So	10	599402	4195628
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	371	42798	42797	20130724	20130724	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	680	37.90276	-121.869	Zone-10 N	T01N, R01E	NORTH SID	SHAFFER S	HABITAT C	Grazing	POSSIBLE T	PRESENT IN	EBRPD	########	Antioch So	10	599402	4195628
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	384	42970	42970	20050223	20050223	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	220	37.78299	-121.611	Zone-10 N	T02S, R03E	NORTH SID	SITE IS KNC	HABITAT C	Grazing	THREATEN	1 FEMALE I	DWR	########	Clifton Cou	10	622296	4182646
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	385	42971	42971	20040811	20040811	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	190	37.78368	-121.615	Zone-10 N	T02S, R03E	NORTH EN	PRIMARY S	HABITAT C	Grazing	THREATEN	1 ADULT O	DWR	########	Clifton Cou	10	621989	4182718
Lepidurus (	vernal poo	Crustacean	ICBRA1001	Endangere	None	G3	S3		IUCN_EN-E	161	43813	89593	20190307	20190307	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Solano	Antioch Nc	0	38.0942	-121.875	Zone-10 N	T03N, R01E	MONTEZUI	COMPLEX (	ALKALINE \	Other | Lar	2000 SURV	100S OBSE	PVT	########	Antioch Nc	10	598623	4216864
Riparia ripa	bank swall	Birds	ABPAU080	None	Threatene	G5	S3		BLM_S-Ser	201	44076	44076	20000601	20000601	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Sacrament	Jersey Islar	5	38.11885	-121.684	Zone-10 N	T03N, R03E	BRANNAN	SANDY OUTCROPS ON WEST LEVEE BANK OF				SEVERAL O	DPR-BRANI	########	Jersey Islar	10	615374	4219820
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			55	44444	44444	20030527	20030527	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (:	1000	37.80109	-121.757	Zone-10 N	T01S, R02E	JUST EAST	WESTERN I	1990: COASTAL SCRUE		1990 QUAI	6 ADULTS (	CCWD-LOS	########	Tassajara (:	10	609470	4184474
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	415	44474	44474	1989XXXX	1989XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Alameda	Clifton Cou	140	37.77394	-121.578	Zone-10 N	T02S, R04E	STOCK PON	MAPPED AS BEST COULD BE DETERMINED FR				1 ADULT F(	UNKNOWN	########	Clifton Cou	10	625266	4181686
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-\	288	45107	45107	20010302	20010302	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Woodward	5	37.90544	-121.616	Zone-10 N	T01N, R03E	1 MILE NNI	WETLANDS	HABITAT C	Developme	THREATEN	500 INDIVI	PVT	########	Woodward	10	621660	4196226
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	450	45708	45708	20100216	20100216	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	200	37.83505	-121.65	Zone-10 N	T01S, R03E	ALONG AN	DETECTION	SMALL CRE	Grazing	CATTLE GR	1 ADULT C(	EBRPD	########	Byron Hot	10	618826	4188373
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	451	45733	45733	19951129	19951129	N	X-None	Extirpated	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	320	37.8294	-121.734	Zone-10 N	T01S, R02E	KELLOGG C	NEAR CON	THIS SITE IS NOW UNDER LOS VA(			COLLECTED	UNKNOWN	########	Byron Hot	10	611379	4187641
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	456	45743	45743	20070703	20070703	Y	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Byron Hot	600					*SENSITIVE	PLEASE CO	HABITAT CONSISTS OF RIPARIAN AND A FARM POND. IN:					########	Byron Hot	0		
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	439	45811	10572	198302XX	198302XX	N	X-None	Extirpated	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch So	50	38.00282	-121.803	Zone-10 N	T02N, R02E	ANTIOCH. NO OTHER LOCATION INFORMATION GIVEN.					FEB 1983: (	UNKNOWN	########	Antioch Nc	10	605091	4206803
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	464	45945	45945	20000213	20000213	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	715	37.7569	-121.709	Zone-10 N	T02S, R02E	0.8 MILE S!	LOCATED C	HABITAT C	Dam/Inunc	THREATEN	1 ADULT M	LIVERMOR	########	Byron Hot	10	613731	4179628
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	484	46342	34679	19710116	19710116	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	500	37.89067	-121.799	Zone-10 N	T01N, R02E	MARSH CREEK ROAD, (		2007 AERIAL PHOTO SHOWS THA			MVZ #9943	UNKNOWN	########	Antioch So	10	605640	4194365
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	485	46343	46343	20030327	20030327	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.90862	-121.732	Zone-10 N	T01N, R02E	VICINITY BETWEEN DR		SURROUNI	Developme	PROPOSED	DEAD ON F	PVT-COWE	########	Brentwood	10	611470	4196434
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	470	46394	46394	20011024	20011024	N	B-Good	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Antioch So	800	37.90458	-121.866	Zone-10 N	T01N, R01E	CLAYTON RANCH, 0.5		HABITAT CONSISTS OF A SPRING,			1 ADULT O	EBRPD	########	Antioch So	10	599707	4195834
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	527	46684	46684	1992XXXX	1992XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	800	37.78517	-121.698	Zone-10 N	T02S, R02E	ON THE NV	1989 LOCA	2007 AND LATER AERIAL PHOTO S			SALAMANI	UNKNOWN	########	Byron Hot	10	614608	4182777
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	528	46692	46692	20160620	20160620	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	655	37.76477	-121.647	Zone-10 N	T02S, R03E	ALTAMONT	MAPPED T(	BREEDING	Landfill	LANDFILL (	REPORTED	PVT	########	Byron Hot	10	619212	4180579
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	529	46696	46696	1992XXXX	1992XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	800	37.76575	-121.673	Zone-10 N	T02S, R03E	JUST E OF I	MAPPED T(	BREEDING POND. AERIAL PHOTOS			UNKNOWN	PVT	########	Byron Hot	10	616872	4180654
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	510	47673	47673	19990601	19990601	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	80	37.79962	-121.606	Zone-10 N	T01S, R03E	0.35 MILE I	SITE DGS02	HABITAT CONSISTS OF AN UNNAM			ADULTS AN	UNKNOWN	########	Clifton Cou	10	622703	4184497
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2		IUCN_VU-\	170	47697	47697	20020402	20030923	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islar	5	38.05708	-121.647	Zone-10 N	T03N, R03E	SW LEVEE (	SNAKE WA	SURROUNI	Agriculture	THREATEN	1 ADULT C/	PVT	########	Jersey Islar	10	618729	4213012
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	558	47771	47771	20130427	20130427	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	530	37.93857	-121.819	Zone-10 N	T01N, R01E	0.5 MILE W	MAPPED T(	HABITAT C	Developme	THREATEN	AN UNKNC	PVT	########	Antioch So	10	603795	4199658
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	559	47772	47772	2006XXXX	2006XXXX	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	234	37.93404	-121.777	Zone-10 N	T01N, R02E	ALONG DEI	1998: STO(	HABITAT C	Developme	THREATEN	AN UNKNC	PVT	########	Antioch So	10	607438	4199202
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	560	47773	47773	19980402	19980402	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	750	37.9184	-121.814	Zone-10 N	T01N, R01E	1.9 MILES \	SITE RODY:	HABITAT CONSISTS OF A STOCK P(			AN UNKNC	PVT	########	Antioch So	10	604268	4197425
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	529	48244	48244	20020704	20020704	N	D-Poor	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Tassajara (:	680	37.79749	-121.86	Zone-10 N	T01S, R01E	TASSAJARA	INDIVIDUA	INDIVIDUA	Other | No	THREATS II	1 ADULT O	PVT	########	Tassajara (:	10	600362	4183958
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	531	48404	48404	20020715	20020715	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	130	37.99205	-121.847	Zone-10 N	T02N, R01E	MARKLEY CANYON CR		SHALLOW,	Developme	THREATEN	4 ADULTS (	CONTRA C(	########	Antioch So	10	601236	4205560
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	541	48698	48698	20150403	20150403	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	180	37.85929	-121.678	Zone-10 N	T01S, R03E	0.7 MI SW	2-PART PO	1982: HABI	Developme	PART OF A	ONE ADUL	CCWD-LOS	########	Byron Hot	10	616266	4191027
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	542	48699	48699	20150406	20150406	N	C-Fair	Presumed	Non-specif	30	Fluctuating	Natural/Na	Alameda	Byron Hot	900	37.76656	-121.735	Zone-10 N	T02S, R02E	JUST W OF	POND G11.	POND & GI	Altered flo	POND DES	50+ LARVA	CCWD-LOS	########	Byron Hot	10	611415	4180668
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	543	48700	48700	19820217	19820217	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	80	37.84612	-121.654	Zone-10 N	T01S, R03E	ALONG UN	NE 1/4 OF :	HABITAT CONSISTS OF A FARM P(			1 ADULT O	UNKNOWN	########	Byron Hot	10	618404	4189595
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	544	48701	48701	19811209	19811209	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Clifton Cou	50	37.82774	-121.624	Zone-10 N	T01S, R03E	1.5 MILES :	SE 1/4 OF :	HABITAT CONSISTS OF FARM PON			1 ADULT O	UNKNOWN	########	Clifton Cou	10	621103	4187594
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	545	48702	48702	19811105	19811105	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	120	37.81985	-121.642	Zone-10 N	T01S, R03E	2.1 MILES :	SE 1/4 OF I	HABITAT C	Dam/Inunc	PROPOSED	1 ADULT O	UNKNOWN	########	Byron Hot	10	619504	4186695
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	546	48703	48703	19820301	19820301	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Tassajara (:	280	37.87247	-121.758	Zone-10 N	T01S, R02E	6.4 MILES I	SW 1/4 OF	HABITAT C	Dam/Inunc	PROPOSED	1 ADULT O	UNKNOWN	########	Tassajara (:	10	609245	4192392
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	547	48704	89569	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	260	37.84493	-121.717	Zone-10 N	T01S, R02E	POND BET\	MAPPED T(	1980 HABITAT DESCRIBED AS AN (			1 ADULT F(	CCWD-LOS	########	Byron Hot	10	612850	4189385
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	565	48749	48749	20000213	20000213	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	380	37.75539	-121.708	Zone-10 N	T02S, R02E	0.8 MILE S!	LOCATED C	HABITAT C	Dam/Inunc	THREATEN	1 ADULT O	PVT	########	Byron Hot	10	613815	4179461
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			32	48796	48796	19960318	19960318	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	80	37.85026	-121.648	Zone-10 N	T01S, R03E	0.8 MILE W	TRACKS OE	HABITAT C	Developme	POSSIBLE T	TRACKS OF	UNKNOWN	########	Byron Hot	10	618913	4190062
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			33	48797	48797	19960424	19960424	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	90	37.85802	-121.657	Zone-10 N	T01S, R03E	1.2 MILES :	1 INDIVIDU	HABITAT C	Developme	POSSIBLE T	1 INDIVIDU	UNKNOWN	########	Byron Hot	10	618171	4190912
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			34	48798	48798	20000524	20000524	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	40	37.80011	-121.582	Zone-10 N	T01S, R04E	1.5 MILES :	DENS OBSE	HABITAT CONSISTS OF		IODINE BU	40 DENS, 1	USBOR	########	Clifton Cou	10	624839	4184584
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			41	48823	48823	19920620	19920620	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	100	37.79568	-121.605	Zone-10 N	T01S, R03E	2 MILES SS	1 ADULT O	HABITAT CONSISTS OF GRAZED GI			1 ADULT O	PVT	########	Clifton Cou	10	622832	4184062
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			42	48824	48824	19980811	19980811	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	340	37.7854	-121.624	Zone-10 N	T02S, R03E	NW OF BETHANY RESE		HABITAT CONSISTS OF NON-NATI'			SIGHTING :	UNKNOWN	########	Clifton Cou	10	621187	4182897
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			44	48827	48827	19920324	19920324	N	A-Excellent	Presumed	Circular fea	50	Unknown	Natural/Na	Alameda	Clifton Cou	170	37.7736	-121.578	Zone-10 N	T02S, R04E	1.3 MILES I	1 ADULT O	HABITAT C	Other	THREAT CC	TRACKS OE	UNKNOWN	########	Clifton Cou	10	625255	4181648
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			58	48926	48926	20020820	20020820	N	A-Excellent	Presumed	Circular fea	40	Unknown	Natural/Na	Alameda	Byron Hot	990	37.76825	-121.692	Zone-10 N	T02S, R03E	7 MILES NE OF LIVERM		HABITAT CONSISTS OF NON-NATI'			1 ADULT O	LIVERMOR	########	Byron Hot	10	615212	4180908
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			60	48930	48930	19910522	19910522	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Clifton Cou	0	37.79654	-121.525	Zone-10 N	T01S, R04E	SOUTHWES	PRINTS (TR	THIS AREA (OLD RIVER LEVEE) MA			SAN JOAQU	UNKNOWN	########	Clifton Cou	10	629889	4184266
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			61	48931	48931	1993XXXX	1993XXXX	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	60	37.83446	-121.629	Zone-10 N	T01S, R03E	VICINITY O	INDIVIDUALS OBSERVED.				1 CARCASS	UNKNOWN	########	Byron Hot	10	620665	4188335
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			62	48936	48936	19890116	19890116	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Byron Hot	260	37.83205	-121.686	Zone-10 N	T01S, R03E	3.6 MILES :	INCLUDES NW 1/4 OF NW 1/4 AND NE 1/4 OI				SIGHTING /	UNKNOWN	########	Byron Hot	10	615595	4187993
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene	G4T2	S3			63	48937	48937	19890810	19890810	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	500	37.79677	-121.663	Zone-10 N	T01S, R03E	5.2 MILES SSW OF BYR		GRASSLAND AT BOTTOM OF RIVE			KIT FOX TR	UNKNOWN	########	Byron Hot	10	617698	4184108
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	583	49075	49075	20020530	20020530	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (:	780	37.77178	-121.875	Zone-10 N	T02S, R01E	0.75 MILE WSW OF TH		HABITAT C	Grazing	THREATEN	2 ADULTS /	PVT	########	Tassajara (:	10	599067	4181089
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	602	50000	50000	20101006	20101006	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	200	37.75795	-121.579	Zone-10 N	T02S, R04E	UNNAMED	MAPPED T(	HABITAT C	Other | Fo	POSSIBLE T	4 AD SEEN	DWR	########	Clifton Cou	10	625162	4179910
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	612	50123	50123	200201XX	200201XX	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	300	37.93335	-121.781	Zone-10 N	T01N, R02E	ALONG EMPIRE MINE		HABITAT C	Developme	THREATEN	3 ADULT FI	PVT	########	Antioch So	10	607096	4199120
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	614	50127	50127	20171031	20171031	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	501	37.76468	-121.627	Zone-10 N	T02S, R03E	0.6-0.9 MII	MAPPED T(	2002: STO(	Grazing	DISTURBAI	AT LEAST 7	ALA COUN	########	Byron Hot	10	620964	4180594
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	615	50148	50148	20150213	20150213	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Altamont (	500	37.75075	-121.634	Zone-10 N	T02S, R03E	0.4 MILE N	MAPPED T(	2002: SCO(	Erosion/ru	THREATEN	9-10 ADUL	PVT	########	Byron Hot	10	620324	4179039
Amsinckia (	large-flowe	Dicots	PDBOR010	Endangere	Endangere	G1	S1	1B.1	SB_UCBG-l	2	51004	51004	188705XX	188705XX	N	X-None	Extirpated	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch South (371218		37.94004	-121.833	Zone-10 N	T01N, R01E	JUDSONVII	JUDSONVILLE WAS A LATE 1800'S COAL-MINI				ACCORDIN	EBRPD-BLA	########	Antioch So	10	602579	4199805
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1115	51006	51006	20090505	20090505	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	5	37.85453	-121.562	Zone-10 N	T01S, R04E	SMALL, UN	MAPPED T(	1997 NEST TREE WAS AN ALDER \			2 ADULTS /	UNKNOWN	########	Clifton Cou	10	626508	4190649
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1116	51007	51007	20020731	20020731	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Clifton Cou	2	37.805	-121.536	Zone-10 N	T01S, R04E	SOUTH SID	VICINITY O	1994 NEST	Developme	THREATEN	NESTING P	UNKNOWN	########	Clifton Cou	10	628920	4185190
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1117	51008	51008	20090519	20090519	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Clifton Cou	0	37.81927	-121.544	Zone-10 N	T01S, R04E	ISLAND IN (	EAST POLY(	2000 NEST TREE WAS A 15' WILLC			INCUBATIC	UNKNOWN	########	Clifton Cou	10	628142	4186762
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1118	51009	51009	20090519	20090519	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	0	37.86213	-121.576	Zone-10 N	T01S, R04E	BETWEEN I	2000 & 20(	2000 & 2001 NESTS IN SAME OR /			ADULTS W	UNKNOWN	########	Clifton Cou	10	625250	4191473
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1119	51010	51010	20090519	20090519	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	1	37.85496	-121.548	Zone-10 N	T01S, R04E	ALONG OLI	MAPPED T(	1993 NEST	Recreation	THREATEN	COPULATI(	UNKNOWN	########	Clifton Cou	10	627697	4190716
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1208	51229	51229	20090519	20090519	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	1	37.81935	-121.531	Zone-10 N	T01S, R04E	ISLAND IN (	VICINITY O	1993 NEST IN ALDER. 2000 NEST T			NESTING P	UNKNOWN	########	Clifton Cou	10	629305	4186788
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	635	51365	51365	20000414	20000414	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	900	37.88059	-121.871	Zone-10 N	T01S, R01E	0.2 MILE W	WRIGHT P(	HABITAT C	Grazing	POSSIBLE T	1 ADULT O	PVT	########	Antioch So	10	599264	4193166
Agelaius tri	tricolored I	Birds	ABPBXB00:	None	Threatene	G1G2	S2		BLM_S-Ser	369	51442	51442	20030507	20030507	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	255	37.77046	-121.6	Zone-10 N	T02S, R03E	PRIMARY SIDE OF THE		HABITAT CONSISTS OF A 1-ACRE S			NESTING C	DWR	########	Clifton Cou	10	623301	4181270
Eryngium r	Delta buttc	Dicots	PDAPI0Z0S	None	Endangere	G1	S1	1B.1		33	51503	51503	19981009	20080918	N	X-None	Possibly Ex	Specific bo	20	Unknown	Natural/Na	Contra Cos	Woodward	5	37.90678	-121.611	Zone-10 N	T01N, R03E	NEAR DISC	SMALL COI	ALKALI WE	Altered flo	EXPANSION	1,500 INDI	UNKNOWN	########	Woodward	10	622116	4196382
Erysimum (	Contra Cos	Dicots	PDBRA160:	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/I	3	51508	51508	19941023	19941023	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Nc	10	38.01786	-121.769	Zone-10 N	T02N, R02E	SOUTHERN	SMALL COI	NORTH-FA(	Developme	SITE DEVEL	500 INDIVI	PVT-GAYLC	########	Antioch Nc	10	608088	4208512
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1211	51683	51683	20030620	20030620	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Woodward	5	37.9169	-121.605	Zone-10 N	T01N, R03E	AT THE INTERSECTION		NEST TREE IS AMONG 5 TREES LO			2003 NEST	RECLAMAT	########	Woodward	10	622619	4197512

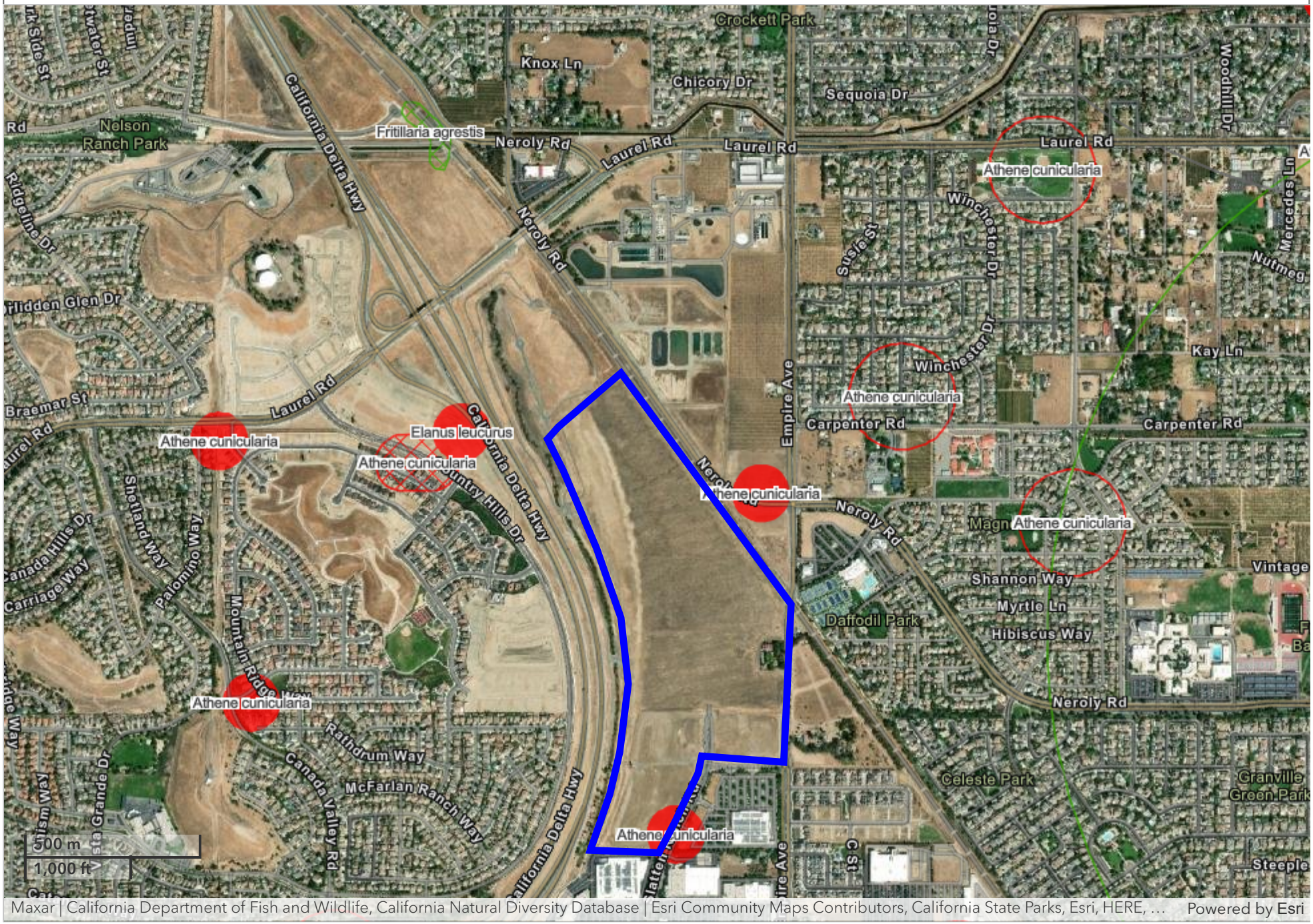
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1217	51721	51721	20000629	20000629	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Union Islar	2	37.78563	-121.501	Zone-10 N	T02S, R04E	OLD RIVER,	VICINITY O	1993 NEST TREE WAS A COTTONV			COPULATI(	UNKNOWN	########	Union Islar	10	632031	4183090
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1219	51729	51729	20020627	20020627	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Clifton Cou	10	37.79097	-121.51	Zone-10 N	T02S, R04E	WEST BAN	1993 DETE	1993 NEST	Road/trail (	THREATEN	ADULT FEN	UNKNOWN	########	Clifton Cou	10	631170	4183668
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1229	51767	51767	20030426	20030426	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	50	37.76139	-121.519	Zone-10 N	T02S, R04E	0.2 MILE NORTH OF GI		NEST TREE	Developme	THREATEN	1 ADULT O	PVT	########	Clifton Cou	10	630437	4180373
Oenothera	Antioch Du	Dicots	PDONA0C(	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	10	51824	51824	20120828	20120828	N	D-Poor	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch Nc	15	38.01661	-121.767	Zone-10 N	T02N, R02E	EAST ANTI(	PLANTS LO	DISTURBEC	Developme	DEVELOPN	24 PLANTS	PVT-GAYLC	########	Antioch Nc	10	608255	4208375
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1252	52076	52076	20030624	20030624	N	D-Poor	Presumed	Circular fea	40	Unknown	Natural/Na	San Joaqui	Clifton Cou	55	37.78139	-121.538	Zone-10 N	T02S, R04E	JUST SOUTH OF MOUI		NEST TREE	Developme	THREATEN	ACTIVE NE:	PVT	########	Clifton Cou	10	628721	4182567
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	666	52296	52296	20080409	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	1075	37.78997	-121.719	Zone-10 N	T02S, R02E	HEADWATI	POND G1;	SMALL STC	Non-native	NON-NATI\	NONE 198	CCWD-LOS	########	Byron Hot	10	612824	4183286
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	604	52297	52296	20150404	20150404	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	1075	37.78997	-121.719	Zone-10 N	T02S, R02E	HEADWATI	G1 STOCK	HABITAT C	Non-native	THREATEN	LARVAE IN	CCWD-LOS	########	Byron Hot	10	612824	4183286
Lepidurus	vernal poo	Crustacean	ICBRA1001	Endangere	None	G3	S3		IUCN_EN-E	177	52749	52749	20030306	20030306	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	330	37.95363	-121.803	Zone-10 N	T01N, R02E	EAST SIDE (	POOL IS M(	HABITAT C	Developme	THREATEN	>20 ADULT	PVT	########	Antioch So	10	605120	4201345
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	352	52751	52749	20030306	20030306	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	330	37.95363	-121.803	Zone-10 N	T01N, R02E	EAST SIDE (	POOL IS M(	HABITAT C	Developme	THREATEN	>100 ADUL	PVT	########	Antioch So	10	605120	4201345
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	353	52754	52754	20030306	20030306	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	260	37.94514	-121.789	Zone-10 N	T01N, R02E	SOUTH EDGE OF LONE		HABITAT C	Developme	THREATEN	>100 ADUL	PVT	########	Antioch So	10	606368	4200419
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	354	52755	52755	20030306	20030306	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	260	37.94232	-121.792	Zone-10 N	T01N, R02E	BETWEEN LONE TREE '		HABITAT C	Developme	THREATEN	>100 ADUL	PVT	########	Antioch So	10	606172	4200103
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	619	53683	53683	20160411	20160411	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Alameda	Midway (3	332	37.74955	-121.597	Zone-10 N	T02S, R03E	0.3 MILE N	POND WAS	HABITAT C	Developme	GOLF COUI	~75 LARVA	PVT-MOUN	########	Midway (3	10	623585	4178954
Hypomesu	Delta smel	Fish	AFCHB010	Threatene(	Endangere	G1	S1		AFS_TH-Th	4	54487	54487	20040213	20040213	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Sacrament	Antioch Nc	0	38.04643	-121.815	Zone-10 N	T02N, R01E	2 MILES SE	OF THE CO	HABITAT CONSISTS OF A SMALL C			1 JUVENILE	UNKNOWN	########	Antioch Nc	10	603938	4211629
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1312	55815	55799	20060428	20060428	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Brentwood	10	37.98891	-121.681	Zone-10 N	T02N, R03E	EAST SIDE (	NEST TREE	NEST TREE IS A EUCALYPTUS; SUR			2 ADULTS (	PVT	########	Brentwood	10	615794	4205405
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1313	55816	55800	20100426	20100426	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	San Joaqui	Woodward	10	37.9401	-121.531	Zone-10 N	T01N, R04E	ALONG THI	2 POLYGOI	2000: PROBABLE NEST TREE WAS			2 ADULTS {	UNKNOWN	########	Woodward	10	629060	4200187
Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			63	56505	56489	20000414	20000414	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	900	37.87995	-121.87	Zone-10 N	T01S, R01E	AREA NOR'	NE 1/4 OF	HABITAT C	Grazing	POSSIBLY T	1 ADULT F(	SAVE MOU	########	Antioch So	10	599362	4193096
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	666	57197	57181	20030212	20030212	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	400	37.98684	-121.87	Zone-10 N	T02N, R01E	1.6 MILES SW OF THE		HABITAT C	Other	THREATEN	3 ADULTS (	PVT	########	Antioch So	10	599190	4204957
Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			68	57893	57877	20030623	20030623	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	650	37.94109	-121.824	Zone-10 N	T01N, R01E	SOUTH OF	MAPPED T(	HABITAT CONSISTS OF CHAPARRA			2 ADULTS (	EBRPD-BLA	########	Antioch So	10	603324	4199931
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	781	59113	59077	20040407	20040407	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	595	37.81872	-121.698	Zone-10 N	T01S, R02E	1.75 MILE EAST OF VA		HABITAT CONSISTS OF GRAZED N(			CRLF LARV.	PVT-VAQU	########	Byron Hot	10	614583	4186500
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	782	59114	59078	20040407	20040407	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	340	37.82184	-121.678	Zone-10 N	T01S, R03E	2.75 MILES EAST OF V.		HABITAT CONSISTS OF GRAZED N(			CRLF LARV.	PVT-VAQU	########	Byron Hot	10	616351	4186871
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	783	59115	59079	20040407	20040407	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	330	37.81898	-121.674	Zone-10 N	T01S, R03E	3.1 MILES EAST OF VA:		HABITAT CONSISTS OF GRAZED N(			CRLF LARV.	PVT-VAQU	########	Byron Hot	10	616738	4186559
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	784	59116	59080	20040407	20040407	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	255	37.82402	-121.672	Zone-10 N	T01S, R03E	3 MILES EAST OF VASC		HABITAT CONSISTS OF GRAZED N(			CRLF LARV.	PVT-VAQU	########	Byron Hot	10	616860	4187120
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	785	59122	59086	20170601	20170601	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	225	37.8364	-121.675	Zone-10 N	T01S, R03E	2.5 MI WNW OF BYRO		2004: GRAZED NON-NATIVE GRAS			LARVAE OE	PVT-VAQU	########	Byron Hot	10	616612	4188490
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	670	59123	59087	20170605	20170605	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	155	37.82503	-121.662	Zone-10 N	T01S, R03E	1.1 MILES \	SITE NAME	HABITAT C	Grazing	HEAVY CAT	LARVAE OE	EBRPD-VAS	########	Byron Hot	10	617734	4187245
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	671	59131	44496	20040407	20040407	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	165	37.8247	-121.665	Zone-10 N	T01S, R03E	POND ON (	POND IS LC	HABITAT CONSISTS OF GRAZED N(			CTS LARVA	PVT-VAQU	########	Byron Hot	10	617510	4187205
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	672	59133	59097	20170503	20170503	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	225	37.82211	-121.671	Zone-10 N	T01S, R03E	3.1 MILES E	SITE NAME	HABITAT CONSISTED OF GRAZED I			LARVAE OE	EBRPD-VAS	########	Byron Hot	10	616937	4186910
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	673	59137	59079	20170503	20170503	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	315	37.81898	-121.674	Zone-10 N	T01S, R03E	3.25 MILES	SITE NAME	HABITAT CONSISTS OF GRAZED N(			CTS LARVA	EBRPD-VAS	########	Byron Hot	10	616738	4186559
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	674	59138	59078	20180203	20180203	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	340	37.82184	-121.678	Zone-10 N	T01S, R03E	ABOUT 2.9	SITE NAME	HABITAT C	Other | Erc	BREACHED	CTS LARVA	EBRPD-VAS	########	Byron Hot	10	616351	4186871
Reithrodor	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-	172	59276	59240	20040625	20040625	N	C-Fair	Presumed	Non-specif	30	Unknown	Natural/Na	Solano	Antioch Nc	0	38.07295	-121.826	Zone-10 N	T03N, R01E	COLLINSVII	SECTIONS :	W END CO'	Non-native	GOOD HAE	ONE COLLE	PVT, DOD	########	Antioch Nc	10	602996	4214560
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1489	62679	62642	20150401	20150401	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Woodward	6	37.93366	-121.61	Zone-10 N	T01N, R03E	WEST SIDE	MAPPED T(	NEST TREE:	Recreation	THREATEN	NEST DISC(	PVT	########	Woodward	10	622185	4199366
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	123	62990	62936	19920423	19920423	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.03934	-121.527	Zone-10 N	T02N, R04E	SMALL ISL/	TAPED CALLS PLAYED AT SMALL ISLAND TO T				TAPED CAL	UNKNOWN	########	Bouldin Isla	10	629224	4211203
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	124	62993	62939	19930413	19930413	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.00715	-121.624	Zone-10 N	T02N, R03E	ISLAND CO	TAPED CALLS ALSO PLAYED ON THE TWO ISL/				TAPED CAL	UNKNOWN	########	Bouldin Isla	10	620819	4207502
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	125	62995	62941	19930608	19930608	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.00742	-121.547	Zone-10 N	T02N, R04E	ISLAND IN (	SURVEY AR	FRESHWATER MARSH.			TAPED CAL	UNKNOWN	########	Bouldin Isla	10	627590	4207635
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	698	63045	62972	20050515	20050515	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	213	37.9398	-121.772	Zone-10 N	T01N, R02E	JUST EAST	LOCATION	HABITAT C	Developme	THREATEN	UNKNOWN	PVT	########	Antioch So	10	607929	4199847
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	699	63053	62980	20060119	20060119	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	211	37.93088	-121.768	Zone-10 N	T01N, R02E	0.5 MILE EAST OF DEE		HABITAT CONSISTS OF A STOCK P(			UNKNOWN	PVT	########	Antioch So	10	608265	4198861
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	700	63055	62982	200201XX	200201XX	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	177	37.93538	-121.754	Zone-10 N	T01N, R02E	1.25 MILES EAST OF D		HABITAT CONSISTS OF A POND.			UNKNOWN	PVT	########	Antioch So	10	609505	4199377
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	701	63593	63501	20030528	20030528	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	242	37.88816	-121.754	Zone-10 N	T01N, R02E	SOUTH SIDE OF BRION		10 M X 10 M STOCKPC		SITE NOW	28 MAY 20	DPR	########	Antioch So	10	609546	4194138
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1600	63712	63617	20050629	2005XXXX	N	X-None	Extirpated	Specific bo	10	Decreasing	Natural/Na	Contra Cos	Brentwood	10	37.99088	-121.669	Zone-10 N	T02N, R03E	NORTH ED(	2005 NEST	NEST TREE WAS A WA		THREATEN	2 ADULTS /	PVT	########	Brentwood	10	616849	4205639
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	862	64142	64047	20090224	20090224	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	20	37.83073	-121.602	Zone-10 N	T01S, R03E	ITAILIAN SI	3 LOCATIO	GRASSLAN	Road/trail (	POSSIBLE T	2 OBSERVE	CCA COUN	########	Clifton Cou	10	622992	4187955
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	864	64337	64242	20200312	20200312	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Livermore	700	37.75271	-121.8	Zone-10 N	T02S, R02E	WEST BRAI	MAPPED T(	RIPARIAN (	Developme	THREATEN	28 ADULTS	PVT	########	Tassajara (	10	605700	4179056
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	722	64359	64280	20180608	20180608	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Livermore	611	37.75389	-121.851	Zone-10 N	T02S, R01E	ABOUT 1 N	MOLLER R/	HABITAT C	Developme	THREATEN	1 ADULT D	PVT	########	Tassajara (	10	601202	4179130
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	723	64545	64466	20030327	20030327	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	165	37.89895	-121.721	Zone-10 N	T01N, R02E	WEST OF MARSH CREE		SURROUNDING AREA		PROPOSED	1 ADULT O	PVT-COWE	########	Brentwood	10	612470	4195375
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	724	64546	64467	20030327	20030327	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	365	37.89747	-121.737	Zone-10 N	T01N, R02E	BRIONES VALLEY, ABO		SURROUNDING AREA		PROPOSED	2 ADULTS (	PVT-COWE	########	Brentwood	10	611004	4195191
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1626	64761	64682	20020731	20020731	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	30	37.79809	-121.55	Zone-10 N	T01S, R04E	WEST SIDE OF KELSO F		NEST TREE WAS A EUCALYPTUS; S			NEST SITE /	UNKNOWN	########	Clifton Cou	10	627666	4184404
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1628	64763	64684	20020731	20020731	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	5	37.79362	-121.519	Zone-10 N	T02S, R04E	WEST BANK OF OLD RI		NEST TREE WAS A VALLEY OAK, W			NEST SITE /	UNKNOWN	########	Clifton Cou	10	630357	4183949
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	875	64810	64731	20060510	20060510	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	734	37.8034	-121.861	Zone-10 N	T01S, R01E	TASSAJAR/	MAPPED FI	HABITAT C	Erosion/ru	THREATEN	1 ADULT (3	PVT	########	Tassajara (	10	600282	4184613
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1652	65665	65586	20090402	20090402	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	San Joaqui	Woodward	1	37.96984	-121.532	Zone-10 N	T02N, R04E	AT THE CO	MAPPED T(	2003 NEST TREE WAS A WILLOW;			POSSIBLE N	UNKNOWN	########	Woodward	10	628926	4203485
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1653	65685	65606	20090521	20090521	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	San Joaqui	Bouldin Isla	5	38.04809	-121.532	Zone-10 N	T02N, R04E	SAN JOAQU	2003: COO	2003: NEST TREE WAS A 35' WILL(			2006: 2 AD	UNKNOWN	########	Bouldin Isla	10	628772	4212168
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1654	65690	65611	20030430	20030430	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Bouldin Isla	1	38.06006	-121.621	Zone-10 N	T03N, R03E	FALSE RIVE	NEST WAS	NEST TREE WAS A WILLOW, WHIC			NESTING O	UNKNOWN	########	Bouldin Isla	10	620988	4213377
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1657	66260	66181	2006XXXX	2006XXXX	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	18	37.88268	-121.628	Zone-10 N	T01N, R03E	NORTH SID	NEST TREE	HABITAT SI	Developme	THREATEN	ADULT OBS	UNKNOWN	########	Brentwood	10	620679	4193685
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	95	66735	66601	20100316	20100316	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Woodward	6	37.97659	-121.578	Zone-10 N	T02N, R04E	IN-CHANNI	BLACK RAII	HABITAT C	Recreation	POSSIBLE T	3 RAILS OB	STATE	########	Woodward	10	624928	4204172
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	96	66737	66598	19920513	19920513	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Woodward	0	37.95565	-121.569	Zone-10 N	T01N, R04E	BERM ISLA	1 INDIVIDU	PALUSTRIN	Recreation	BOAT WAK	SURROUNE	STATE	########	Woodward	10	625739	4201861
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	97	66738	66599	20100429	20100429	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Woodward	6	37.9449	-121.561	Zone-10 N	T01N, R04E	IN-CHANNI	MAPPED T(	HABITAT C	Recreation	POSSIBLE T	1 RAIL DET	STATE	########	Woodward	10	626433	4200678
Laterallus j	California k	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	98	66739	66600	19920423	19920423	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	San Joaqui	Woodward	0	37.98365	-121.532	Zone-10 N	T02N, R04E	MIDDLE RIVER, JUST V		PALUSTRIN	Recreation	BOAT WAV	1 INDIVIDU	STATE	########	Woodward	10	628913	4205017
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	735	66793	66647	20060308	20060308	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	710	37.78651	-121.872	Zone-10 N	T02S, R01E	0.9 MILE NW OF THE I		HABITAT CONSISTS OF A STOCK P(			3 LARVAE (	PVT	########	Tassajara (	10	599364	4182728
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	417	66828	66680	20060119	20060119	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	62	37.81949	-121.621	Zone-10 N	T01S, R03E	JUST EAST OF BYRON I		HABITAT CONSISTS OF VERNAL P(			10 ADULTS	PVT	########	Clifton Cou	10	621328	4186682
Hypomesu	Delta smel	Fish	AFCHB010	Threatene(	Endangere	G1	S1		AFS_TH-Th	7	66921	66772	20191220	20191220	N	D-Poor	Presumed	Non-specif	30	Unknown	Natural/Na	Sacrament	Jersey Islar	0	38.09181	-121.736	Zone-10 N	T03N, R02E	LOWER SA(	ROUGHLY (	SEINE: AVG	Non-native	SHORELINE	1129 CAUG	UNKNOWN	########	Jersey Islar	10	610829	4216755
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1671	67291	67140	20090519	20090519	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.82524	-121.551	Zone-10 N	T01S, R04E	OLD RIVER	NORTH PO	1993 NEST ON RIPARIAN ISLAND :			PAIR AT NE	UNKNOWN	########	Clifton Cou	10	627519	4187415
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1672	67297	67145	20090414	20090414	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.85014	-121.536	Zone-10 N	T01S, R04E	JUST EAST	TERRITORY	HABITAT CLASSIFIED AS RIPARIAN			NEST WITH	UNKNOWN	########	Clifton Cou	10	628822	4190198
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1673	67299	67146	20030521	20030521	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Clifton Cou	10	37.81965	-121.512	Zone-10 N	T01S, R04E	BETWEEN GRANT LINE		NEST TREE WAS A 35' WILLOW; SI			ACTIVE SW	UNKNOWN	########	Clifton Cou	10	630921	4186848
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1674	67304	67151	20030425	20030425	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Sacrament	Jersey Islar	5	38.12336	-121.678	Zone-10 N	T03N, R03E	VICINITY O	MAPPED P	2001 NEST TREE WAS 80' COTTOI			ACTIVE NE:	UNKNOWN	########	Jersey Islar	10	615918	4220329
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			552	67416	67255	19920722	19920722	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	800	37.83676	-121.767	Zone-10 N	T01S, R02E	CANADA D	MAPPED IN	GRAZED AI	Other	IMPENDIN(	DEN SITE. 1	CONTRA C(	########	Tassajara (	10	608505	4188420
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			553	67417	67258	19920715	19920715	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	450	37.84622	-121.778	Zone-10 N	T01S, R02E	EAST BAY F	BEL92F000	GRAZED AI	Other	RESERVOIR	1 ADULT O	EBRPD, PV	########	Tassajara (	10	607552	4189457
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			554	67418	67257	19920816	19920816	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	700	37.98134	-121.872	Zone-10 N	T02N, R01E	ABOUT 1.8	MAPPED IN	GRAZED AI	Developme	DEVELOPN	FORAGING	EBRPD	########	Antioch So	10	599064	4204345
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			555	67419	67259	19920807	19920807	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	750	37.9668	-121.876	Zone-10 N	T01N, R01E	ABOUT 2.3	MAPPED IN	GRAZED ANNUAL GRA		MAY GET B	FORAGING	EBRPD	########	Antioch So	10	598737	4202728
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			556	67420	67260	19870501	19870501	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	180	37.80566	-121.629	Zone-10 N	T01S, R03E	ABOUT 0.5	DEN IS APPROXIMATELY 0.6 MI ALONG THE F				3 CARCASS	PVT	########	Byron Hot	10	620716	4185139
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			557	67421	67261	198XXXXX	198XXXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	113	37.77587	-121.611	Zone-10 N	T02S, R03E	SE SIDE OF BETHANY RESERVOIR, ABOUT 0.8 MI ESE OF :					1 DEN OBS	UNKNOWN	########	Clifton Cou	10	622360	4181857
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			558	67422	67262	198XXXXX	198XXXXX	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Clifton Cou	290	37.76565	-121.6	Zone-10 N	T02S, R03E	SOUTH END OF BETHANY RESERVOIR, ABOUT 1.5 MI NW					5 DENS OB	UNKNOWN	########	Clifton Cou	10	623331	4180737
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			559	67423	67263	198XXXXX	198XXXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Alameda	Clifton Cou	510	37.77077	-121.627	Zone-10 N	T02S, R03E	SW OF BETHANY RESERVOIR, ABOUT 0.5 MI SSW OF SOL					1 DEN OBS	UNKNOWN	########	Byron Hot	10	620892	4181269
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			561	67425	67265	19871021	19871021	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda |	Clifton Court Forebay (		37.80247	-121.614	Zone-10 N	T01S, R03E	E OF INTER	LOCATION	LOWER SONORAN, NATIVE ALKAL			FORAGING	PVT	########	Clifton Cou	10	621996	4184803
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			569	67433	67273	197507XX	197507XX	N	U-Unknow	Presumed	Circular fea	80	Unknown	Natural/Na	Contra Cos	Byron Hot	110	37.88626	-121.684	Zone-10 N	T01N, R03E	NE OF LOS MEGANOS, E OF WALNUT BLVD, S OF MARSH					1 SIGHTIN(	UNKNOWN	########	Brentwood	10	615758	4194012
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			570	67434	67274	197304XX	197304XX	N	U-Unknow	Presumed	Circular fea	80	Unknown	Natural/Na	Contra Cos	Byron Hot Springs (37:		37.85535	-121.683	Zone-10 N	T01S, R03E	E OF KELLOGG CREEK, SE OF THE INTERSECTION OF CAM					ACTIVE DEI	UNKNOWN	########	Byron Hot	10	615850	4190583
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			571	67446	67284	1989XXXX	1989XXXX	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Byron Hot Springs (37:		37.80618	-121.762	Zone-10 N	T01S, R02E	ABOUT 3 N	INCLUDES LOCATLIY "EAST OF VASCO RD TO '				1 NATAL DI	UNKNOWN	########	Tassajara (	10	608951	4185032
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			573	67450	45806	1978XXXX	1978XXXX	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Byron Hot Springs (37:		37.87525	-121.724	Zone-10 N	T01S, R02E	MARSH CR	SOURCES GIVE LOCATION AS "MARSH CREEK				1 SIGHTIN(	UNKNOWN	########	Brentwood	10	612253	4192741
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			574	67452	67289	1989XXXX	1989XXXX	N	U-Unknow	Presumed	Circular fea	70	Unknown	Natural/Na	Contra Cos	Tassajara (3712177) |		37.88086	-121.834	Zone-10 N	T01S, R01E	GILL DR AN	MAPPED USING THE MAP ATTACHED TO DFG				SIGHTING (	UNKNOWN	########	Antioch So	10	602514	4193237
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			575	67453	67290	199106XX	199106XX	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Byron Hot Springs (37:		37.86993	-121.645	Zone-10 N	T01S, R03E	NORTH BO	MAPPED USING THE MAP ATTACHED TO DFG				1 JUVENILE	UNKNOWN	########	Byron Hot	10	619160	4192248
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	903	67518	67350	20060612	20060612	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	935	37.9075	-121.837	Zone-10 N	T01N, R01E	0.8 MILE SW OF THE E		HABITAT CONSISTS OF A LARGE P(			20 TADPOL	PVT	########	Antioch So	10	602267	4196190
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	743	67519	67351	20060612	20060612	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	762	37.91611	-121.836	Zone-10 N	T01N, R01E	0.6 MILE WNW OF THI		HABITAT CONSISTS OF A SMALL P			6 LARVAE (	PVT	########	Antioch So	10	602353	4197147
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			936	67969	67819	197507XX	197507XX	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Antioch So	310	37.89438	-121.763	Zone-10 N	T01N, R02E	ABOUT 4.5 MI SW OF BRENTWOOD, BRIONES VALLEY, N					SIGHTING :	UNKNOWN	########	Antioch So	10	608752	4194818
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			1032	68131	67981	197507XX	197507XX	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Byron Hot	180	37.81393	-121.639	Zone-10 N	T01S, R03E	SW OF CLIFTON COURT FOREBAY, 1.5 MI SW OF JUNCTI(					DEAD KIT F	UNKNOWN	########	Byron Hot	10	619785	4186042
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			1033	68132	67982	197507XX	197507XX	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Clifton Cou	0	37.84972	-121.605	Zone-10 N	T01S, R03E	W OF CLIFTON COURT FOREBAY, ABOUT 1.5 MI E OF BYF					SIGHTING :	UNKNOWN	########	Clifton Cou	10	622731	4190058
Vulpes ma(	San Joaqui	Mammals	AMAJA030	Endangere	Threatene(	G4T2	S3			1034	68133	67983	197507XX	197507XX	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Midway (3	400	37.75003	-121.591	Zone-10 N	T02S, R03E	SE OF BETHANY RESERVOIR, W OF INTERSECTION OF AL'					ROAD KILL	UNKNOWN	########	Clifton Cou	10	624164	4179016
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	919	68180	68028	20060804	20060804	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1752	37.85034	-121.876	Zone-10 N	T01S, R01E	UNNAMED DRAINAGE		HABITAT CONSISTS OF A CONSTRI			BREEDING	DPR-MOUI	########	Diablo (371	10	598855	4189804
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	746	68185	68034	20060804	20060804	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1398	37.848	-121.869	Zone-10 N	T01S, R01E	CHARLES POND, WITH		HABITAT CONSISTS OF A CONSTRI			BREEDING	DPR-MOUI	########	Tassajara (	10	599468	4189552

Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	747	68186	68035	20060804	20060804	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1362	37.85072	-121.855	Zone-10 N	T01S, R01E	UNNAMED	STOCK POI	HABITAT CONSISTS OF A CONSTRI			BREEDING	DPR-MOUI	########	Tassajara (	10	600696	4189870
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	757	68320	68169	20171031	20171031	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Byron Hot	401	37.77504	-121.639	Zone-10 N	T02S, R03E	WEST OF B	MAPPED T	SURROUNI	Grazing | C	CATTLE RA	1 ADULT F	DWR	########	Byron Hot	10	619869	4181728
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	758	68321	68170	20020129	20020129	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	600	37.77807	-121.659	Zone-10 N	T02S, R03E	ABOUT 2.7	MAPPED T	SURROUNDING AREA IS NON-NAT			3 ADULTS F	DWR	########	Byron Hot	10	618051	4182038
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	933	68409	68256	20050513	20050513	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	203	37.93972	-121.773	Zone-10 N	T01N, R02E	SAND CREEK, JUST EAS		HABITAT C	Developme	THREATEN	6 ADULTS (	PVT	########	Antioch So	10	607788	4199837
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	934	68411	38739	2006XXXX	2006XXXX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	255	37.93122	-121.784	Zone-10 N	T01N, R02E	JUST SOUTH OF EMPIF		HABITAT C	Developme	THREATS II	>10 TADPC	PVT	########	Antioch So	10	606881	4198881
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	769	68414	A0332	20150729	20150729	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Altamont (	619	37.74649	-121.709	Zone-10 N	T02S, R02E	NORTH EN	SW POLYG	2015: MITIGATION POND CONSTF			LARGE POF	LIVERMOR	########	Altamont (	10	613712	4178472
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	776	68428	76724	20130430	201407XX	N	C-Fair	Presumed	Specific bo	20	Decreasing	Natural/Na	Contra Cos	Byron Hot	550	37.82223	-121.721	Zone-10 N	T01S, R02E	W SIDE OF	PONDS D7	SEMIPERM	Dam/Inunc	POSSIBLE T	CTS PRESEI	CCWD-LOS	########	Byron Hot	10	612562	4186862
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	777	68430	68275	20190913	20190913	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	230	37.86215	-121.728	Zone-10 N	T01S, R02E	POND 1.8 I	POND B6W	SEMIPERM	Developme	POSSIBLE T	CTS PRESEI	CCWD-LOS	########	Byron Hot	10	611877	4191283
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	778	68431	68276	20190913	20190913	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	320	37.85779	-121.724	Zone-10 N	T01S, R02E	1.8 MI SW	POND B4. I	HABITAT C	Developme	CATTLE. W	>200 LARV	CCWD-LOS	########	Byron Hot	10	612214	4190803
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	779	68432	76633	20150703	20150703	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	380	37.8575	-121.734	Zone-10 N	T01S, R02E	ABOUT 1.4	POND B5.	HABITAT DESCRIBED A		POSSIBLE T	31 FOUND	CCWD-LOS	########	Byron Hot	10	611407	4190760
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	780	68434	76634	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	990	37.84568	-121.741	Zone-10 N	T01S, R02E	ABOUT 1 M	POND M2.	STOCK POND. 2013 AE		POSSIBLE T	PRESENT 1	CCWD-LOS	########	Byron Hot	10	610811	4189441
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	781	68435	68280	20150410	20150410	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	600	37.84702	-121.762	Zone-10 N	T01S, R02E	ABOUT 2 M	POND L1.	STOCK POND. THE POND APPEAR			7 CTS OBSE	CCWD-LOS	########	Tassajara (	10	608898	4189563
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	782	68436	76671	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	530	37.84509	-121.775	Zone-10 N	T01S, R02E	LOS VAQUI	POND L2. M	HABITAT CHARACTERIZED AS A ST			1 CTS OBSE	CCWD-LOS	########	Tassajara (	10	607798	4189335
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	783	68437	25556	20130424	201407XX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	600	37.83829	-121.769	Zone-10 N	T01S, R02E	POND ABO	POND K2.	STOCK POND. RED-LEGGED FROG			60 LARVAE	CCWD-LOS	########	Tassajara (	10	608317	4188588
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	784	68439	76722	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	630	37.8346	-121.756	Zone-10 N	T01S, R02E	POND ABO	POND K3.	STOCK POND IN GRASSLAND WITI			23 OBSERV	CCWD-LOS	########	Tassajara (	10	609442	4188193
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	785	68442	68285	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	670	37.84078	-121.754	Zone-10 N	T01S, R02E	LOS VAQUI	POND K1.	HABITAT CHARACTERIZED AS A ST			90 LARVAE	CCWD-LOS	########	Tassajara (	10	609629	4188881
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	786	68443	76679	20150703	20150703	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1900	37.81373	-121.774	Zone-10 N	T01S, R02E	ABOUT 1.2	MITIGATIO	SITE CHARACTERIZED AS A STOCK			LARVA(E) F	CCWD-LOS	########	Tassajara (	10	607952	4185857
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	787	68444	76479	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1420	37.79092	-121.766	Zone-10 N	T02S, R02E	LOS VAQUI	POND I9.	STOCK POND. RED-LEGGED FROG			8 CTS OBSE	CCWD-LOS	########	Tassajara (	10	608676	4183335
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	788	68445	76451	20150406	20150406	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1370	37.78003	-121.762	Zone-10 N	T02S, R02E	LOS VAQUI	PONDS H1	H1 WAS CONSIDERED A KEY STOC			LARVAE FO	CCWD-LOS	########	Tassajara (	10	609034	4182131
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	789	68446	76435	20150409	20150409	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1370	37.77743	-121.759	Zone-10 N	T02S, R02E	ABOUT 1.5	POND H3.	SITE CHARACTERIZED AS A STOCK			10 LARVAE	CCWD-LOS	########	Tassajara (	10	609316	4181846
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	790	68447	76755	199304XX	2014XXXX	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	1025	37.76905	-121.724	Zone-10 N	T02S, R02E	1 MILE E O	STOCK POND G9, SE SIDE N VASC(			UNCLEAR I	5 LARVAE I	CCWD-LOS	########	Byron Hot	10	612393	4180958
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	791	68448	76510	20150406	20150406	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	990	37.79136	-121.727	Zone-10 N	T02S, R02E	POND IN U	STOCK POI	STOCK POI	Foot traffic	POSSIBLE T	NONE OBS	CCWD-LOS	########	Byron Hot	10	612106	4183430
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	792	68449	76517	20140428	20140428	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	820	37.79047	-121.743	Zone-10 N	T02S, R02E	1.7 MILES I	STOCK POI	STOCK POND. 2013 AERIAL PHOT(			EITHER NO	CCWD-LOS	########	Byron Hot	10	610658	4183311
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	793	68451	76527	20160501	20160501	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	550	37.79988	-121.74	Zone-10 N	T01S, R02E	1.9 MILES I	MITIGATIO	SEMIPERM	Grazing | D	POSSIBLE D	14 LARVAE	CCWD-LOS	########	Byron Hot	10	610968	4184360
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	794	68453	76530	20130917	2014XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	500	37.80162	-121.731	Zone-10 N	T01S, R02E	SOUTH SID	POND F8. L	STOCK POI	Altered flo	POSSIBLE T	100+ LARV	CONTRA C(	########	Byron Hot	10	611674	4184563
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	795	68454	76536	20150703	20150703	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	800	37.80002	-121.722	Zone-10 N	T01S, R02E	PONDS AB(	MAPPED T	HABITAT C	Foot traffic	POTENTIAL	2 LARVAE (	CCWD-LOS	########	Byron Hot	10	612511	4184397
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	796	68458	76475	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1330	37.78867	-121.759	Zone-10 N	T02S, R02E	LOS VAQUI	MITIGATIO	STOCK POND.			NONE DETI	CCWD-LOS	########	Tassajara (	10	609266	4183094
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	797	68459	76542	20150404	20150404	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	695	37.80154	-121.716	Zone-10 N	T01S, R02E	POND ABO	KEY STOCK	STOCK POI	Foot traffic	POSSIBLE T	PRESENT B	CCWD-LOS	########	Byron Hot	10	613021	4184572
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	798	68462	76548	20150404	20150404	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	860	37.80459	-121.712	Zone-10 N	T01S, R02E	POND ABO	MAPPED T	STOCK POI	Foot traffic	POSSIBLE T	NONE OBS	CONTRA C(	########	Byron Hot	10	613418	4184916
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	799	68463	76584	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	240	37.84846	-121.691	Zone-10 N	T01S, R03E	ABOUT 1.8	POND D1. I	STOCK POND. 2014 AERIAL PHOT(			23 LARVAE	UNKNOWN	########	Byron Hot	10	615144	4189808
Laterallus j	California b	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	136	69045	68638	20060619	20060619	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch No	6	38.03749	-121.862	Zone-10 N	T02N, R01E	BROWNS I!	2004 LOCA	HABITAT CONSISTS OF A NEARLY I			3 DETECTE	EBRPD	########	Antioch No	10	599847	4210586
Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			87	69363	68819	20050429	20050429	N	A-Excellent	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	305	37.97261	-121.862	Zone-10 N	T02N, R01E	SOMMERS'	1990'S OBS	HABITAT SI	Vehicle col	THREATEN	AT LEAST 1	EBRPD-BLA	########	Antioch So	10	599948	4203387
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	951	69706	68276	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	303	37.85779	-121.724	Zone-10 N	T01S, R02E	1.8 MI SW	POND B4.	HABITAT CONSISTED OF A "KEY" S			NONE DETI	CCWD-LOS	########	Byron Hot	10	612214	4190803
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	952	69742	76708	20150404	20150404	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	280	37.83762	-121.695	Zone-10 N	T01S, R03E	2.7 MILES !	PONDS AN	HABITAT CONSISTED C		CCWD IS SI	PRESENT 1	CCWD-LOS	########	Byron Hot	10	614791	4188601
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1681	69955	69177	20070419	20070419	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	145	37.94565	-121.749	Zone-10 N	T01N, R02E	0.15 MILE SE OF THE II		NEST TREE	Developme	THREATEN	SWAINSON	PVT	########	Brentwood	10	609923	4200523
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1684	69974	69196	2010XXXX	2010XXXX	N	C-Fair	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Brentwood	90	37.90005	-121.717	Zone-10 N	T01N, R02E	ALONG MA	AT LEAST 2	2007: NEST	Developme	THREATEN	2 NESTS AC	UNKNOWN	########	Brentwood	10	612762	4195501
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	981	71407	70504	20040512	20040512	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	547	37.76417	-121.867	Zone-10 N	T02S, R01E	TASSAJARA CREEK, WE		HABITAT CONSISTS OF A CREEK W			2 ADULTS (	PVT	########	Tassajara (	10	599759	4180254
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	982	71408	70505	20060322	20170601	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	175	37.83944	-121.679	Zone-10 N	T01S, R03E	1.9 MILES !	ECCCHCP V	EPHEMERAL POND IN NON-NATIV			1 LARVA O	EBRPD	########	Byron Hot	10	616205	4188822
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	983	71409	70506	20060322	20060322	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	175	37.84502	-121.683	Zone-10 N	T01S, R03E	CREEK IMP	MAPPED T	HABITAT CONSISTED OF NON-NA			DETECTED	EBRPD-VAS	########	Byron Hot	10	615855	4189437
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	984	71410	70507	20060511	20060511	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	168	37.84653	-121.673	Zone-10 N	T01S, R03E	1.3 MILES SSW OF THE		HABITAT CONSISTS OF NON-NATI			1 EGG MAS	PVT-VAQU	########	Byron Hot	10	616725	4189617
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1712	71412	70508	20060420	20060420	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	68	37.95325	-121.703	Zone-10 N	T01N, R02E	ON THE SW	SITE WHER	NEST TREE	Developme	HOUSING I	1 JUVENILE	PVT	########	Brentwood	10	613981	4201422
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1713	71415	70510	20060419	20060419	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	12	37.98555	-121.668	Zone-10 N	T02N, R03E	EAST SIDE OF KNIGHTS		NEST TREE IS A EUCALYPTUS; SUR			2 ADULTS (	UNKNOWN	########	Brentwood	10	616992	4205048
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene(	G5	S4		BLM_S-Ser	1714	71420	70516	20060427	20060427	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	47	37.97291	-121.699	Zone-10 N	T02N, R02E	SOUTH OF	NEST TREE	NEST TREE IS A EUCALYPTUS; SUR			2 ADULTS (	UNKNOWN	########	Brentwood	10	614306	4203609
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	821	71445	70539	20170426	20170426	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	140	37.85196	-121.661	Zone-10 N	T01S, R03E	1 MILE SSE	MAPPED T	HABITAT C	Foot traffic	POSSIBLE T	LARVAE "T	PVT-VAQU	########	Byron Hot	10	617812	4190234
Laterallus j	California b	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	174	71474	60061	20050430	20050430	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Sacrament	Antioch No	7	38.05178	-121.82	Zone-10 N	T02N, R01E	CENTRAL P	LOCATION	HABITAT CONSISTS OF A BRACKIS			7 DETECTE	DFG-LOWE	########	Antioch No	10	603520	4212218
Laterallus j	California b	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	175	71475	60047	20050331	20050331	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Sacrament	Antioch No	6	38.04755	-121.829	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKIS			7 DETECTE	DFG-LOWE	########	Antioch No	10	602780	4211739
Laterallus j	California b	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	176	71476	60071	20050331	20050331	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04	-121.86	Zone-10 N	T02N, R01E	EAST SIDE (	LOCATION	HABITAT CONSISTS OF A BRACKIS			3 BREEDIN	EBRPD	########	Antioch No	10	600074	4210867
Laterallus j	California b	Birds	ABNME03(	None	Threatene(	G3T1	S2		BLM_S-Ser	177	71477	60069	20050331	20050331	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch No	5	38.04076	-121.87	Zone-10 N	T02N, R01E	WEST SIDE	LOCATION	HABITAT CONSISTS OF A BRACKIS			6 BREEDIN	EBRPD	########	Antioch No	10	599178	4210940
Reithrodor	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	184	72034	71126	200405XX	200405XX	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Solano	Antioch No	2	38.0612	-121.874	Zone-10 N	T03N, R01E	VAN SICKLE ISLAND, SI		HABITAT DOMINATED BY PICKLEV			17 SMHM (	PVT	########	Antioch No	10	598814	4213204
Reithrodor	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	185	72035	71128	200405XX	200405XX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Solano	Antioch No	2	38.06739	-121.867	Zone-10 N	T03N, R01E	VAN SICKLE ISLAND, E		HABITAT DOMINATED BY TRICORI			4 SMHM C	PVT	########	Antioch No	10	599395	4213898
Reithrodor	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-I	186	72037	71129	200405XX	200405XX	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Solano	Antioch No	2	38.07008	-121.874	Zone-10 N	T03N, R01E	VAN SICKLE ISLAND, 0.		HABITAT DOMINATED BY BALTIC I			3 SMHM C	PVT	########	Antioch No	10	598754	4214189
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	996	72371	71478	20080311	20080311	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	2000	37.85611	-121.826	Zone-10 N	T01S, R01E	LOCATED E	EAST SIDE (	HABITAT C	Developme	THREATEN	3 ADULTS A	PVT-MORG	########	Tassajara (	10	603291	4190500
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	587	72621	71720	20100217	20100217	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	200	37.83123	-121.668	Zone-10 N	T01S, R03E	CANADA D	MAPPED T	2008: NATI	Developme	THREATEN	ON 5 FEB 2	EBRPD	########	Byron Hot	10	617175	4187925
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene(	None	G3	S3		IUCN_VU-\	588	72622	71723	20080212	20080212	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	75	37.84449	-121.642	Zone-10 N	T01S, R03E	0.5 MILE W	MAPPED T	POOL 12 IS	Developme	THREATEN	ON 12 FEB	UNKNOWN	########	Byron Hot	10	619486	4189430
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	831	72623	71724	20170501	20170501	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	72	37.83412	-121.642	Zone-10 N	T01S, R03E	ALONG ARI	MAPPED T	2008: FOUI	Developme	THREATEN	10S OBSER	EBRPD	########	Byron Hot	10	619521	4188280
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	832	72636	71741	20070508	20070508	Y	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	835					*SENSITIVE	PLEASE CO	HABITAT WAS MAN-MADE STOCK PONDS APPROXIMATE					########	Byron Hot	0		
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	833	72637	71742	20070509	20070509	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	1165					*SENSITIVE	PLEASE CO	HABITAT WAS A MAN-MADE STOCK POND APPROXIMAT					########	Byron Hot	0		
Ambystom	California t	Amphibian	AAAAA011	Threatene(	Threatene(	G2G3T3	S3		CDFW_WL-	848	73232	72277	20110107	20110107	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	400	37.81163	-121.666	Zone-10 N	T01S, R03E	ALONG N \	MAPPED T	BULRUSH &	Road/trail	VEHICLE TF	40 OBSERV	CCA COUN	########	Byron Hot	10	617443	4185753
Masticophi	Alameda w	Reptiles	ARADB210	Threatene(	Threatene(	G4T2	S2			99	74524	73556	1982XXXX	1982XXXX	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Tassajara (	1000	37.835	-121.776	Zone-10 N	T01S, R02E	ALONG MI'	MAPPED TO SECOND HAND COORDINATES IN				4 OBSERVE	CCWD-LOS	########	Tassajara (	10	607742	4188214
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1010	74956	73949	20070507	20070507	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	475					*SENSITIVE	PLEASE CO	MAN-MADE STOCK PC		SURROUNDING AREA IS USED FOI			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1011	74959	73963	20070507	20070507	Y	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	800					*SENSITIVE	PLEASE CO	2 MAN-MA	Non-native	BASS, SUNFISH AND CHANNEL CA			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1012	74960	73960	20070507	20070507	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	850					*SENSITIVE	PLEASE CO	MAN-MADE POND WI		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1013	74992	73992	20070507	20070507	Y	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	760					*SENSITIVE	PLEASE CO	MAN-MADE POND WI		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1014	75006	74005	20070508	20070508	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	870					*SENSITIVE	PLEASE CO	MAN-MADE POND WI		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1015	75008	74009	20070508	20070508	Y	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	850					*SENSITIVE	PLEASE CO	STOCK POND, APPROX		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1016	75009	74011	20070508	20070508	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	790					*SENSITIVE	PLEASE CO	STOCK POND, APPROX		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1017	75011	74012	20180522	20180522	Y	A-Excellent	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	870					*SENSITIVE	PLEASE CO	MAN-MADE STOCK PC		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1018	75012	74015	20070507	20070507	Y	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	940					*SENSITIVE	PLEASE CO	MAN-MADE STOCK PC		SURROUNDING AREA USED FOR C			########	Byron Hot	0		
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1020	75024	74031	20070308	20070308	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	800	37.76613	-121.81	Zone-10 N	T02S, R01E	NE CORNEI	AN EGG M.	LOCATION IS ON A WC		AREA USEI	SINGLE EG(	PVT	########	Tassajara (	10	604809	4180534
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1058	75679	74679	20090406	20090406	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	315	37.92945	-121.79	Zone-10 N	T01N, R02E	HORSE VAI	THE POND	THE POND	Developme	POTENTIAL	2 SUBADUI	PVT	########	Antioch So	10	606311	4198678
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1059	75682	74681	20090324	20090324	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	350	37.93276	-121.799	Zone-10 N	T01N, R02E	HORSE VAI	THE POND	THE POND	Developme	POTENTIAL	AT LEAST 1	PVT	########	Antioch So	10	605552	4199035
Sidalcea ke	Keck's che(	Dicots	PDMAL110	Endangere	None	G2	S2	1B.1	SB_CalBG/I	9	75788	74786	18920514	18920514	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Solano	Antioch North (38121:		38.13198	-121.859	Zone-10 N	T03N, R01E	WILLOW SI	EXACT LOCATION UNKNOWN. MAPPED AS BI				ONLY SOUI	UNKNOWN	########	Birds Landi	10	599982	4221073
Rana boylii	foothill yel	Amphibian	AAABH010	Proposed T	Endangere	G3T2	S2		BLM_S-Ser	35	76065	75066	19530329	19530329	N	X-None	Extirpated	Circular fea	90	Unknown	Natural/Na	Contra Cos	Tassajara (	530	37.88599	-121.843	Zone-10 N	T01N, R01E	MARSH CREEK, ALONG MARSH CREEK ROAD, ABOUT 7 M					COLLECTIO	UNKNOWN	########	Antioch So	10	601778	4193797
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1273	77254	76276	20020313	20020313	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	930	37.7753	-121.696	Zone-10 N	T02S, R03E	WEST OF B	FELLERS P-568. 0.44 MI SSE OF (NEW) VASCO				1 ADULT &	EBRPD-BRU	########	Byron Hot	10	614849	4181686
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1287	77336	76367	20100721	20100721	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda |	Clifton Cou	80	37.80515	-121.606	Zone-10 N	T01S, R03E	STOCK POI	MAPPED T	ANNUAL G	Grazing | N	POTENTIAL	2 LARVAE A	DWR, PVT	########	Clifton Cou	10	622690	4185111
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1290	77377	76420	20150406	20150406	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Alameda	Byron Hot	960	37.76819	-121.729	Zone-10 N	T02S, R02E	0.25 MILE I	STOCK POI	PONDS PR(	Altered flo	RESERVOIR	NONE IN 1!	CCWD-LOS	########	Byron Hot	10	611933	4180856
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1291	77378	76422	20150409	20150409	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	820	37.77248	-121.742	Zone-10 N	T02S, R02E	0.6 NW OF	STOCK POI	1998-99 DI	Altered flo	RESERVOIR	NONE FOU	CCWD-LOS	########	Byron Hot	10	610748	4181316
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1292	77385	76428	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	850	37.77582	-121.745	Zone-10 N	T02S, R02E	0.9 MILE N	STOCK POI	POND PROVIDES FORA		RESERVOIR	NOT SURVI	CCWD-LOS	########	Byron Hot	10	610486	4181684
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1293	77387	76430	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Stable	Natural/Na	Contra Cos	Byron Hot	1025	37.77657	-121.751	Zone-10 N	T02S, R02E	POND ABO	STOCK POI	DAY & NIG	Altered flo	RESERVOIR	NOT SURVI	CCWD-LOS	########	Byron Hot	10	610028	4181760
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1294	77390	76435	20150409	20150409	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Tassajara (	1370	37.77743	-121.759	Zone-10 N	T02S, R02E	ABOUT 1.5	STOCK POI	OBSERVAT	Altered flo	RESERVOIR	NONE DETI	CCWD-LOS	########	Tassajara (	10	609316	4181846
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1295	77392	76437	20080416	201407XX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1340	37.77495	-121.766	Zone-10 N	T02S, R02E	1.9 MILES I	STOCK POI	OBSERVATIONS MADE DURING D.			NONE DETI	CCWD-LOS	########	Tassajara (	10	608645	4181562
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1296	77400	76451	20190919	20190919	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1370	37.78003	-121.762	Zone-10 N	T02S, R02E	LOS VAQUI	PONDS H1	H1 WAS CC	Altered flo	RESERVOIR	PRESENT, 1	CCWD-LOS	########	Tassajara (	10	609034	4182131
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1297	77412	76462	20190919	20190919	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1350	37.78004	-121.769	Zone-10 N	T02S, R02E	1.1 MILES I	STOCK POI	1998-1999	Altered flo	RESERVOIR	PRESENT 1	CCWD-LOS	########	Tassajara (	10	608433	4182124
Rana drayt	California r	Amphibian	AAABH010	Threatene(	None	G2G3	S2S3		CDFW_SSC	1298	77419	76469	20150409	20150409	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1075	37.78307	-121.756	Zone-10 N	T02S, R02E	POND ABO	STOCK POI	1998-99 OI	Altered flo	RESERVOIR	2 ADULTS I	CCWD-LOS	########	Tassajara (	10	609573	4182475

Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1299	77426	76475	20150409	20150409	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1270	37.78867	-121.759	Zone-10 N	T02S, R02E	POND ABO	POND I10.	1998-99 DETECTIONS I		RESERVOIR	NONE IN 1	CCWD-LOS	########	Tassajara (	10	609266	4183094
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1300	77428	76479	20150409	20150409	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1400	37.79092	-121.766	Zone-10 N	T02S, R02E	POND ABO	POND I9, K	FORAGING	Altered flo	RESERVOIR	NONE 198	CCWD-LOS	########	Tassajara (	10	608676	4183335
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1301	77430	B6328	20171208	20171208	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Alameda |	Byron Hot	911	37.77729	-121.721	Zone-10 N	T02S, R02E	ABOUT 1 M	STOCK PON	1998-99 DI	Non-native	PREDATOR	NONE 198	CCWD-LOS	########	Byron Hot	10	612623	4181876
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1302	77431	76483	20180419	20180419	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	800	37.77701	-121.732	Zone-10 N	T02S, R02E	ALONG UP	FEATURES	G6, G7 & G	Altered flo	NOT MANA	PRESENT A	CCWD-LOS	########	Byron Hot	10	611629	4181831
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1303	77439	76493	20180418	20180418	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	880	37.78254	-121.731	Zone-10 N	T02S, R02E	PONDS ALC	STOCK PON	SCATTERED	Non-native	CHANNEL (	NONE FOU	CCWD-LOS	########	Byron Hot	10	611773	4182446
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1304	77457	76510	20170503	20170503	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	965	37.79136	-121.727	Zone-10 N	T02S, R02E	POND IN U	STOCK PON	1998-99 DETECTIONS DURING DA			NONE IN 1	CCWD-LOS	########	Byron Hot	10	612106	4183430
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1305	77462	76517	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	820	37.79047	-121.743	Zone-10 N	T02S, R02E	1.7 MILES I	STOCK PON	1998-1999	Dam/Inunc	RESERVOIR	PRESENT S	CCWD-LOS	########	Byron Hot	10	610658	4183311
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1306	77472	76527	201407XX	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	550	37.79988	-121.74	Zone-10 N	T01S, R02E	1.9 MILES I	SEMIPERM	2014 AERIAL SHOWS L		WATER LEV	NOT SURVI	CCWD-LOS	########	Byron Hot	10	610968	4184360
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1307	77475	76530	201407XX	201407XX	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	500	37.80162	-121.731	Zone-10 N	T01S, R02E	SOUTH SID	POND F8.	MANMADE	Dam/Inunc	THREATEN	NONE IN 1	CCWD-LOS	########	Byron Hot	10	611674	4184563
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1308	77481	76536	201407XX	201407XX	N	C-Fair	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	800	37.80002	-121.722	Zone-10 N	T01S, R02E	PONDS AB	PONDS F7	VALLEY GRASSLANDS WITH SCATT			NONE 198	CCWD-LOS	########	Byron Hot	10	612511	4184397
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1309	77489	76542	201407XX	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	695	37.80154	-121.716	Zone-10 N	T01S, R02E	POND ABO	KEY STOCK	HABITAT DESCRIBED AS VALLEY G			NONE 198	CCWD-LOS	########	Byron Hot	10	613021	4184572
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1310	77494	76548	201407XX	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	860	37.80459	-121.712	Zone-10 N	T01S, R02E	POND ABO	POND F5.	1998-1999 OBSERVATIONS MADE			NONE 198	CCWD-LOS	########	Byron Hot	10	613418	4184916
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1311	77495	76549	201407XX	201407XX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	750	37.80796	-121.712	Zone-10 N	T01S, R02E	POND ABO	STOCK PON	1998-1999 OBSERVATIONS MADE			NOT SURVI	CCWD-LOS	########	Byron Hot	10	613386	4185290
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1312	77496	76550	20130423	201407XX	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	520	37.80779	-121.722	Zone-10 N	T01S, R02E	ABOUT 3 M	POND F4.	1998-1999 OBSERVATI		POSSIBILIT	NOT SURVI	CCWD-LOS	########	Byron Hot	10	612540	4185259
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1313	77497	76551	20130422	201407XX	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Byron Hot	680	37.81346	-121.71	Zone-10 N	T01S, R02E	1.8 MILES S	TWO STOC	HABITAT DESCRIBED AS VALLEY G			AT F1, EGG	CCWD-LOS	########	Byron Hot	10	613582	4185902
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1314	77498	76552	20080407	201407XX	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	760	37.822	-121.709	Zone-10 N	T01S, R02E	SPRING (ST	POND D6.				NONE DUR	CCWD-LOS	########	Byron Hot	10	613662	4186851
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1315	77514	76559	20190930	20190930	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.84256	-121.704	Zone-10 N	T01S, R02E	PONDS IN T	STOCK PON	STOCK POND & MARSI		NOT MANA	PRESENT,1	CCWD-LOS	########	Byron Hot	10	614022	4189138
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1316	77533	76563	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	225	37.84818	-121.704	Zone-10 N	T01S, R02E	N SIDE OF	STOCK PON	OBSERVATIONS MADE DURING D.			DETECTION	CCWD-LOS	########	Byron Hot	10	614064	4189763
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1318	77564	76584	20190930	20190930	N	B-Good	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	240	37.84846	-121.691	Zone-10 N	T01S, R03E	ABOUT 1.8	POND D1, .	STOCK PON	Other | Wc	PERMITTEI	NONE FOU	CCWD-LOS	########	Byron Hot	10	615144	4189808
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1319	77575	76631	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	270	37.8592	-121.69	Zone-10 N	T01S, R03E	0.3 MI E OI	POND C2 (T	CALIFORNIA TIGER SALAMANDER			2 ADULTS I	CCWD-LOS	########	Byron Hot	10	615236	4191002
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1320	77576	76633	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	380	37.8575	-121.734	Zone-10 N	T01S, R02E	ABOUT 1.4	POND B5, (	CALIFORNIA TIGER SAI		RESERVOIR	NONE IN 1	CCWD-LOS	########	Byron Hot	10	611407	4190760
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1321	77577	70765	20150410	20150410	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	750	37.85	-121.746	Zone-10 N	T01S, R02E	1.3 MI NW	POND M1,	1998-1999	Dam/Inunc	RESERVOIR	NONE IN S	CCWD-LOS	########	Byron Hot	10	610325	4189914
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1322	77578	76634	20161108	20161108	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	840	37.84568	-121.741	Zone-10 N	T01S, R02E	ABOUT 1 M	POND M2.	PRIOR TO 2	Dam/Inunc	RESERVOIR	NONE IN 1	CCWD-LOS	########	Byron Hot	10	610811	4189441
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1323	77579	68285	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	670	37.84078	-121.754	Zone-10 N	T01S, R02E	POND ABO	POND K1, I	1998-1999 OBSERVATI		RESERVOIR	NONE IN 1	CCWD-LOS	########	Tassajara (	10	609629	4188881
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1324	77580	76635	20150410	20150410	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Tassajara (	590	37.83924	-121.76	Zone-10 N	T01S, R02E	LOS VAQUI	POND K5W	OBSERVAT	Dam/Inunc	RESERVOIR	ALL LIFE ST	CCWD-LOS	########	Tassajara (	10	609147	4188704
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1325	77589	76644	20150410	20150410	N	X-None	Possibly Ex	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Tassajara (	490	37.82818	-121.76	Zone-10 N	T01S, R02E	ABOUT 1.8	THE MAPP	WETLANDS	Dam/Inunc	INUNDATE	METAMOR	CCWD-LOS	########	Tassajara (	10	609136	4187476
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1326	77617	76671	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	530	37.84509	-121.775	Zone-10 N	T01S, R02E	LOS VAQUI	POND L2. 2	MANMADE POND SUR		RESERVOIR	NONE FOU	CCWD-LOS	########	Tassajara (	10	607798	4189335
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1327	77625	76679	20150409	20150409	N	B-Good	Presumed	Specific bo	20	Fluctuating	Natural/Na	Contra Cos	Tassajara (	1900	37.81373	-121.774	Zone-10 N	T01S, R02E	ABOUT 1.2	FEATURE R	1998-1999	Groundwa	PREDATION	NONE FOU	CCWD-LOS	########	Tassajara (	10	607952	4185857
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1328	77634	76688	20130422	201407XX	N	C-Fair	Presumed	Specific bo	10	Fluctuating	Natural/Na	Contra Cos	Byron Hot	300	37.82754	-121.682	Zone-10 N	T01S, R03E	2.5 MILES E	STOCK PON	HABITAT WAS A MANMADE PONI			NONE IN 1	CCWD-LOS	########	Byron Hot	10	615966	4187499
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1330	77681	76722	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	630	37.8346	-121.756	Zone-10 N	T01S, R02E	POND ABO	POND K3, 2	OBSERVAT	Dam/Inunc	RESERVOIR	NONE FOU	CCWD-LOS	########	Tassajara (	10	609442	4188193
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1331	77692	76724	201310XX	201407XX	N	C-Fair	Presumed	Specific bo	20	Decreasing	Natural/Na	Contra Cos	Byron Hot	550	37.82223	-121.721	Zone-10 N	T01S, R02E	W SIDE OF	PONDS D7	ROLLING G	Dam/Inunc	RESERVOIR	D7: ADULT	CCWD-LOS	########	Byron Hot	10	612562	4186862
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1333	77714	76755	20080416	201407XX	N	D-Poor	Presumed	Specific bo	10	Fluctuating	Natural/Na	Alameda	Byron Hot	1025	37.76905	-121.724	Zone-10 N	T02S, R02E	1 MILE E O	STOCK PON	LACK OF WATER LIKELY PREVENTS			NOT SURVI	CCWD-LOS	########	Byron Hot	10	612393	4180958
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1334	77718	76761	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1980	37.81702	-121.788	Zone-10 N	T01S, R02E	ABOUT 1.3	POND I2, 1	PACIFIC TR	Other | No	PREDATION	3 ADULTS (	CCWD-LOS	########	Tassajara (	10	606707	4186206
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			120	79943	78985	XXXXXXXX	XXXXXXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	685	37.78072	-121.745	Zone-10 N	T02S, R02E	LOS VAQUI	MAPPED TO PROVIDED COORDINATES. LOS V				1 REPORTE	CCWD-LOS	########	Byron Hot	10	610521	4182227
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			121	79951	78990	19810422	19810422	N	X-None	Possibly Ex	Circular fea	90	Unknown	Natural/Na	Contra Cos	Byron Hot	385	37.81505	-121.733	Zone-10 N	T01S, R02E	ON TOPO: .	OCCURREN	RESERVOIR	Dam/Inunc	DISPLACED	2 SNAKES \	CCWD-LOS	########	Byron Hot	10	611510	4186050
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			122	79955	78993	XXXXXXXX	XXXXXXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	195	37.84945	-121.695	Zone-10 N	T01S, R03E	ALONG KEI	NEAR "WATERSHED OFFICES." MAPPED TO C				1 REPORTE	CCWD-LOS	########	Byron Hot	10	614791	4189913
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			123	79956	78994	19980819	19980819	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	340	37.86598	-121.768	Zone-10 N	T01S, R02E	MIWOK TR	ROUND VALLEY REGIONAL PARK. MAPPED TC				1 REPORTE	EBRPD-ROI	########	Tassajara (	10	608352	4191660
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			128	79964	79004	19760523	19760523	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	610	37.89047	-121.847	Zone-10 N	T01N, R01E	ON MARSH	COLLECTED DEAD FRO		Vehicle col	THREATEN	1 INDIVIDU	UNKNOWN	########	Antioch So	10	601356	4194289
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	18	80897	79902	2006XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Woodward	0	37.9715	-121.52	Zone-10 N	T02N, R04E	EMPIRE CU	20 MM SU	20 MM SURVEY SAMPLES LARVAL			LARVAL SM	UNKNOWN	########	Woodward	10	629993	4203686
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	19	80900	79905	2004XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Woodward	0	37.94056	-121.559	Zone-10 N	T01N, R04E	OLD RIVER	20 MM SU	20 MM SURVEY SAMPLES LARVAL			LARVAL SM	UNKNOWN	########	Woodward	10	626621	4200199
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	20	80902	79907	2005XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Bouldin Isla	1	38.05395	-121.511	Zone-10 N	T02N, R04E	BURNS REA	20 MM SU	20 MM SURVEY SAMPLES LARVAL			LARVAL SM	UNKNOWN	########	Bouldin Isla	10	630638	4212848
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	21	80907	79912	2005XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	5	37.8593	-121.569	Zone-10 N	T01S, R04E	OLD RIVER	20 MM SU	TO SAMPLE ENTIRE WATER COLU			LARVAL SM	UNKNOWN	########	Clifton Cou	10	625898	4191170
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	22	80909	79914	2005XXXX	2005XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.02615	-121.583	Zone-10 N	T02N, R04E	HOLLAND (	20 MM SU	20 MM SURVEY SAMPLES LARVAL			LARVAL SM	UNKNOWN	########	Bouldin Isla	10	624362	4209664
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	23	80911	79917	2007XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.04827	-121.595	Zone-10 N	T02N, R03E	FRANKS TR	20 MM SU	TO SAMPLE ENTIRE WATER COLU			LARVAL SM	DPR-FRANI	########	Bouldin Isla	10	623255	4212102
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	24	80913	79921	2006XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.07953	-121.57	Zone-10 N	T03N, R04E	SAN JOAQU	20 MM SU	20 MM SURVEY SAMPLES LARVAL			STA 815: '0	UNKNOWN	########	Bouldin Isla	10	625391	4215604
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	25	80918	79927	2006XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.10128	-121.598	Zone-10 N	T03N, R03E	WEBB REA	BAY STUDY	THE BAY STUDY SAMPLES FISH, SH			ONE SMEL	UNKNOWN	########	Bouldin Isla	10	622921	4217980
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	26	80929	79941	2005XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Jersey Islar	0	38.08861	-121.641	Zone-10 N	T03N, R03E	SAN JOAQU	20 MM SU	20 MM SURVEY SAMPLES LARVAL			STA 812: '0	UNKNOWN	########	Jersey Islar	10	619162	4216519
Hypomesu	Delta smel	Fish	AFCHB010	Threatene	Endangere	G1	S1		AFS_TH-Th	27	80930	79942	2007XXXX	2007XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islar	0	38.05395	-121.686	Zone-10 N	T02N, R03E	SAN JOAQU	20 MM SU	20 MM SURVEY SAMPLES LARVAL			LARVAE TA	UNKNOWN	########	Jersey Islar	10	615283	4212615
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1721	82520	81558	20090501	20090501	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	70	37.79777	-121.587	Zone-10 N	T01S, R03E	ADJACENT	LOCATION	NEST IS LOCATED ABOUT 25 FT AE			TWO ADUL	SAN LUIS &	########	Clifton Cou	10	624423	4184319
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-\	630	82959	82001	20090223	20090223	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.82945	-121.598	Zone-10 N	T01S, R03E	VICINITY O	MAPPED T	VERNAL ALKALI PLAIN ON FLAT SL			BRANCHIN	PVT, DWR	########	Clifton Cou	10	623360	4187818
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-\	631	82960	81985	20090224	20090224	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.81984	-121.583	Zone-10 N	T01S, R04E	0.25 MI NN	VERNAL AL	FLAT SLOPI	Non-native	MOSQUITC	2 POOLS W	PVT, DWR	########	Clifton Cou	10	624738	4186773
Erysimum (	Contra Cos	Dicots	PDBRA160	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/I	4	84798	10358	1979XXXX	1979XXXX	N	U-Unknow	Presumed	Non-specif	30	Unknown	Transplant	Contra Cos	Antioch North (381211		38.03947	-121.866	Zone-10 N	T02N, R01E	BROWNS IS	EXACT LOCATION UNKNOWN. MAPPED BY CI				PLANTED II	UNKNOWN	########	Antioch Nc	10	599528	4210801
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2		IUCN_VU-\	298	85555	84535	20100727	20100727	N	D-Poor	Presumed	Specific bo	10	Unknown	Natural/Na	Sacrament	Jersey Islar	-9	38.03682	-121.75	Zone-10 N	T02N, R02E	ON VICTOF	MAPPED T	HABITAT C	Agriculture	AGRICULTU	1 ADULT AI	STATE	########	Jersey Islar	10	609720	4210638
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	913	85971	84992	20150406	20150406	N	A-Excellent	Presumed	Non-specif	30	Stable	Natural/Na	Alameda |	Byron Hot	750	37.77744	-121.743	Zone-10 N	T02S, R02E	ALONG LOS	FEATURE P	AREA DESC	Non-native	POSSIBLY T	SPECIMEN,	CCWD-LOS	########	Byron Hot	10	610686	4181866
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	914	85972	84993	20150406	20150406	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Byron Hot	200	37.85389	-121.697	Zone-10 N	T01S, R02E	ALONG OLI	MAPPED T	75+ RECOR	Non-native	POSSIBLY T	COLLECTED	CCWD, DPF	########	Byron Hot	10	614648	4190404
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	915	86023	84994	20140420	20140420	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	180	37.87035	-121.709	Zone-10 N	T01S, R02E	LARGE PON	STOCK PON	PACIFIC TR	Foot traffic	POSSIBEL T	1 LARVA O	CCWD-LOS	########	Byron Hot	10	613516	4192216
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	916	86024	84995	20150404	20150404	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	680	37.81345	-121.71	Zone-10 N	T01S, R02E	1.9 MILES S	MAPPED T	HABITAT D	Foot traffic	POSSIBLY T	1 ADULT O	CCWD-LOS	########	Byron Hot	10	613570	4185902
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1799	88283	87277	2012XXXX	2012XXXX	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Jersey Islar	10	38.01329	-121.749	Zone-10 N	T02N, R02E	DUPONT P	MAPPED T	2011: NEST	Wood cutti	COMPETITI	NESTING B	PVT	########	Jersey Islar	10	609788	4208028
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1800	88284	87279	20100322	20100322	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Jersey Islar	0	38.0133	-121.639	Zone-10 N	T02N, R03E	BETHEL ISL	2009: 2 NE	2009: 1ST NEST IN WIL		2009: DIST	2009: FIRST	UNKNOWN	########	Jersey Islar	10	619483	4208165
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1801	88285	87280	20090415	20090415	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Jersey Islar	10	38.07184	-121.667	Zone-10 N	T03N, R03E	BRADFORD	2009: NEST	HABITAT DESCRIBED AS RIPARIAN			2 NESTING	UNKNOWN	########	Jersey Islar	10	616897	4214625
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1802	88286	87282	20100414	20100414	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Jersey Islar	10	38.06108	-121.651	Zone-10 N	T03N, R03E	SE CORNER	2009: NEST	2010: HABITAT DESCRIBED AS RIP			2 SWAINSC	UNKNOWN	########	Jersey Islar	10	618369	4213451
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1803	88287	87283	201005XX	201005XX	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Sacrament	Jersey Islar	10	38.10091	-121.711	Zone-10 N	T03N, R02E	NORTH EN	NO DATUM	1994: NEST IN 25' WILLOW. 2007:			1994: NEST	DFG-DECKE	########	Jersey Islar	10	612997	4217795
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1804	88294	87289	2012XXXX	20130828	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Antioch So	50	37.99678	-121.766	Zone-10 N	T02N, R02E	EAST ANTI(	MAPPED T	2008: NEST	Developme	PLANNED (	1 LIGHT-M	PVT	########	Antioch So	10	608346	4206176
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1813	88328	87343	20090402	20090402	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Bouldin Isla	-5	38.02797	-121.584	Zone-10 N	T02N, R04E	VICINITY O	2009: NEST	2009: HABITAT DESCRIBED AS RIP			2 NESTING	UNKNOWN	########	Bouldin Isla	10	624263	4209865
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1814	88341	87355	20090402	20090402	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Bouldin Isla	-10	38.00924	-121.554	Zone-10 N	T02N, R04E	OLD RIVER,	2009: NEST	2009: HABITAT DESCRIBED AS RIP			1 NESTING	UNKNOWN	########	Bouldin Isla	10	626985	4207828
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1815	88345	87358	20090521	20090521	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.01035	-121.514	Zone-10 N	T02N, R04E	MIDDLE RI	2009: NEST	2009: HABITAT DESCRIBED AS RIP			2 NESTING	UNKNOWN	########	Bouldin Isla	10	630494	4208006
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1816	88354	87363	20090407	20090407	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Bouldin Isla	-10	38.07168	-121.507	Zone-10 N	T03N, R04E	E SIDE VEN	2009: NEST	HABITAT DESCRIBED AS RIPARIAN			1 NESTING	UNKNOWN	########	Bouldin Isla	10	630960	4214821
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1821	88404	87409	20090421	20090421	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Terminous	0	38.09149	-121.498	Zone-10 N	T03N, R04E	LITTLE POT	2009: NEST	HABITAT DESCRIBED AS RIPARIAN			2 SWAINSC	UNKNOWN	########	Terminous	10	631725	4217031
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1911	88692	10815	19210403	19210403	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Brentwood	80	37.93195	-121.696	Zone-10 N	T01N, R03E	BRENTWOO	LOCALITY S	1915 NEST LOCATED 15 FEET UP I			3 EGGS CO	UNKNOWN	########	Brentwood	10	614597	4199067
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1912	88693	87728	20100617	20100617	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Woodward	10	37.89134	-121.572	Zone-10 N	T01N, R04E	JUST WEST	MAPPED T	NEST IN ISC	Developme	THREATS II	2 ADULTS (	UNKNOWN	########	Woodward	10	625601	4194721
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1913	88697	87733	20120724	20120724	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	200	37.88234	-121.728	Zone-10 N	T01N, R02E	ALONG MA	MAPPED T	STICK NEST AT THE TOP OF A VALI			COURTSHII	PVT, DPR-C	########	Brentwood	10	611837	4193523
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1914	88700	87734	20120724	20120724	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	165	37.86299	-121.701	Zone-10 N	T01S, R02E	ALONG KEI	LOS VAQUI	NEST WAS IN A VALLEY OAK ALON			OBSERVED	CCWD-LOS	########	Byron Hot	10	614232	4191409
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1915	88701	87735	20110517	20110517	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	160	37.86292	-121.671	Zone-10 N	T01S, R03E	ALONG SOI	MAPPED T	AREA DESCRIBED AS A		THREATS II	2 ADULTS (	PVT	########	Byron Hot	10	616871	4191438
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1916	88708	87744	20110519	20110519	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	100	37.8674	-121.662	Zone-10 N	T01S, R03E	JUST W OF	BENCH MA	NEST IN EUCALYPTUS TREE SURRO			2 ADULTS (	PVT	########	Byron Hot	10	617654	4191946
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1917	88709	87745	20090402	20090402	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Woodward	1	37.97988	-121.582	Zone-10 N	T02N, R04E	SE HOLLAN	ALONG OLI	NEST IN "RIPARIAN TREES."			ACCORDIN	UNKNOWN	########	Woodward	10	624531	4204531
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1918	88710	87746	20120706	20120712	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	685	37.91367	-121.795	Zone-10 N	T01N, R02E	RIDGE BET	MAPPED T	NEST IN SPLIT TOP GRAY PINE (P.			LIGHT MAL	PVT	########	Antioch So	10	605881	4196921
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1919	88711	87747	20120712	20120712	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	595	37.91018	-121.785	Zone-10 N	T01N, R02E	RIDGE BET	MAPPED T	NEST AT THE TOP OF A GRAY PINE			OBSERVED	PVT	########	Antioch So	10	606772	4196545
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	1928	88713	87749	20120502	20120502	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Sacrament	Jersey Islar	0	38.04959	-121.702	Zone-10 N	T02N, R02E	ISLAND IN	MAPPED T	NEST IN AN ALDER TREE SURROU			PAIR OBSEI	UNKNOWN	########	Jersey Islar	10	613856	4212112
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2376	90139	89136	20090520	20090520	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Woodward	-10	37.99851	-121.516	Zone-10 N	T02N, R04E	NORTH EN	MAPPED T	HABITAT DESCRIBED AS RIPARIAN			1 NESTING	UNKNOWN	########	Woodward	10	630263	4206688
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2377	90147	89144	20100422	20100422	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	San Joaqui	Woodward	-10	37.97999	-121.533	Zone-10 N	T02N, R04E	SAN JOAQU	MAPPED T	NESTING HABITAT DESCRIBED AS			MULTIPLE	UNKNOWN	########	Woodward	10	628826	4204610
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2378	90153	89150	20090520	20090520	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	San Joaqui	Woodward	5	37.90859	-121.515	Zone-10 N	T01N, R04E	MIDDLE RI	MAPPED T	NESTING HABITAT DESCRIBED AS			2 NESTING	UNKNOWN	########	Woodward	10	630549	4196712
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2379	90155	89151	19940610	19940610	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	San Joaqui	Clifton Cou	80	37.77116	-121.546	Zone-10 N	T02S, R04E	ABOUT 1.2	TERRITORY	NEST NOT :	Developme	REDUCTIOI	SWAINSON	UNKNOWN	########	Clifton Cou	10	628057	4181421
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2380	90157	89153	20090506	20090506	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	125	37.78823	-121.608	Zone-10 N	T02S, R03E	NORTH SID	MAPPED T	NEST IN BL	Collisions v	POSSIBLY T	NESTING P.	PVT	########	Clifton Cou	10	622572	4183232
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	922	90488	89499	20140420	20140420	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	210	37.86778	-121.717	Zone-10 N	T01S, R02E	POND ABO	POND B2. I	PACIFIC TR	Foot traffic	POSSIBLE T	NONE REC(	CCWD-LOS	########	Byron Hot	10	612812	4191920

Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	923	90492	76631	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	240	37.8592	-121.69	Zone-10 N	T01S, R03E	0.3 MI E OI	POND C2, J	RED-LEGGED FROGS (1998, 1999)			CTS NOTED	CCWD-LOS	########	Byron Hot	10	615236	4191002
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	924	90509	76469	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1075	37.78307	-121.756	Zone-10 N	T02S, R02E	ABOUT 1.7	STOCK POI	STOCK POND. OTHER SPECIES FOI			DETECTED	CCWD-LOS	########	Tassajara (	10	609573	4182475
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1372	90572	89574	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1150	37.80489	-121.77	Zone-10 N	T01S, R02E	POND ABO	POND I8W.	APPARENTLY NOT PART OF EARLI			9 ADULTS (	CCWD-LOS	########	Tassajara (	10	608304	4184881
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1373	90573	89575	19951128	19951128	N	X-None	Extirpated	Circular fea	50	Unknown	Natural/Na	Contra Cos	Byron Hot	400	37.83686	-121.73	Zone-10 N	T01S, R02E	VICINITY O	MAPPED T	THIS REACI	Dam/Inunc	CONSTRUC	3 ADULT M	CCWD-LOS	########	Byron Hot	10	611759	4188474
Branchinec	Conservan	Crustacean	ICBRA0301	Endangere	None	G2	S2		IUCN_EN-E	37	90589	89593	20110330	20110330	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Solano	Antioch Nc	10	38.0942	-121.875	Zone-10 N	T03N, R01E	MONTEZUI	A COMPLE:	ALKALINE VERNAL PO(		RESTORATI	DETECTED	PVT	########	Antioch Nc	10	598623	4216864
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	17	90695	89700	20120411	20120927	N	U-Unknow	Presumed	Non-specif	30	Decreasing	Natural/Na	Contra Cos	Jersey Islar	0	38.11975	-121.697	Zone-10 N	T03N, R02E	SACRAMEN	6 USFWS B	A KEY SPA\	Altered flo	DIVERSION	396 COLLE	UNKNOWN	########	Jersey Islar	10	614216	4219903
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	29	90749	89748	20120605	20120619	N	U-Unknow	Presumed	Non-specif	30	Decreasing	Natural/Na	Solano	Antioch Nc	0	38.17179	-121.957	Zone-10 N	T04N, R01W	MONTEZUI	INCLUDES :	SUISUN M/	Altered flo	DIVERSION	20 MM (SK	UNKNOWN	########	Denverton	10	591359	4225390
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	33	90759	89752	20120507	20120927	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Terminous	0	38.02622	-121.76	Zone-10 N	T02N, R02E	SAN JOAQU	MANY SPE(	SAN JOAQU	Altered flo	DIVERSION	OVER 2000	UNKNOWN	########	Antioch Nc	10	608826	4209450
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	43	90760	89753	20120305	20120305	N	U-Unknow	Presumed	Circular fea	90	Decreasing	Natural/Na	Contra Cos	Clifton Cou	0	37.85937	-121.569	Zone-10 N	T01S, R04E	OLD RIVER	MAPPED T	ASSEMBLA	Altered flo	ENTRAINM	0 FROM NE	UNKNOWN	########	Clifton Cou	10	625868	4191177
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	34	90765	89757	20120305	20120305	N	U-Unknow	Presumed	Non-specif	30	Decreasing	Natural/Na	San Joaqui	Terminous	0	38.10488	-121.491	Zone-10 N	T03N, R04E	LITTLE POT	CDFW MOI	UPSTREAM	Altered flo	BAY-DELTA	NO LONGF	UNKNOWN	########	Terminous	10	632268	4218527
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	38	90772	89765	20120423	20120913	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.04822	-121.595	Zone-10 N	T02N, R03E	FRANKS TR	CDFW STA	TRIBUTARY	Altered flo	BAY-DELTA	NONE DETI	DPR, UNKN	########	Bouldin Isla	10	623239	4212096
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	39	90773	89766	20120312	20120312	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	San Joaqui	Woodward	0	37.9715	-121.52	Zone-10 N	T02N, R04E	MIDDLE RI	MAPPED T	POSSIBLE S	Altered flo	BAY-DELTA	NONE CAU	UNKNOWN	########	Woodward	10	629993	4203686
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	40	90775	89767	20120305	20120305	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Woodward	-5	37.94165	-121.562	Zone-10 N	T01N, R04E	OLD RIVER	MAPPED T	POSSIBLE S	Altered flo	BAY-DELTA	NONE CAU	UNKNOWN	########	Woodward	10	626326	4200316
Spirinchus	longfin sm	Fish	AFCHB030	Candidate	Threatene	G5	S1		IUCN_LC-L	41	90776	89768	19800617	20120927	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	San Joaqui	Woodward	-10	37.92156	-121.528	Zone-10 N	T01N, R04E	MIDDLE RI	MAPPED T	POSSIBLE S	Altered flo	BAY-DELTA	CATCH OF	UNKNOWN	########	Woodward	10	629421	4198134
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2383	90793	89785	20080421	20080421	N	A-Excellent	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.86182	-121.553	Zone-10 N	T01S, R04E	ISLAND IN	MAPPED T	NEST IN SMALL CLUSTER OF RIPAI			NESTING P	UNKNOWN	########	Clifton Cou	10	627312	4191471
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2384	90794	89786	20090401	20090401	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Clifton Cou	10	37.84062	-121.539	Zone-10 N	T01S, R04E	ISLAND IN	MAPPED T	1993 NEST IN OREGON ASH. SUR\			NESTING P	UNKNOWN	########	Clifton Cou	10	628542	4189137
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2385	90797	89789	20150402	20150402	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda |	Clifton Cou	0	37.81546	-121.557	Zone-10 N	T01S, R04E	ALONG THI	MAPPED T	2009: NEST	Other | Ve	TRAFFIC CC	2 NESTING	UNKNOWN	########	Clifton Cou	10	627014	4186321
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2435	90975	89961	20020313	20020313	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	0	37.99879	-121.659	Zone-10 N	T02N, R03E	ALONG JER	MAPPED T	NEST IN OAK.			1 ADULT S\	DPR-CASW	########	Brentwood	10	617705	4206528
Oenothera	Antioch Du	Dicots	PDONA0C0	Endangere	Endangere	G5T1	S1	1B.1	SB_CalBG/	12	91353	90308	20000623	20000623	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Brentwood (3712186)		37.97057	-121.706	Zone-10 N	T02N, R02E	MIDWAY B	EXACT LOCATION UNKNOWN. MAPPED AS BI				ONLY SOUI	UNKNOWN	########	Brentwood	10	613667	4203340
Thaleichthy	eulachon	Fish	AFCHB040	Threatene	None	G5	S1		IUCN_LC-L	7	91936	90894	19840427	19840427	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Clifton Cou	15	37.82577	-121.596	Zone-10 N	T01S, R03E	J.E. SKINNE	MAPPED TO FISH FACI		Surface wa	ENTRAINM	1 EULACHC	DFG, DWR	########	Clifton Cou	10	623586	4187413
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	958	92474	91362	20110401	20110401	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda |	Livermore	716	37.75083	-121.834	Zone-10 N	T02S, R01E	LAKE AT N	MAPPED T	LARGE PER	Grazing	POSSIBLY T	3 LARGE (6	EBRPD	########	Tassajara (	10	602692	4178809
Oncorhync	steelhead -	Fish	AFCHA020	Threatene	None	G5T2Q	S2		AFS_TH-Th	26	92631	91589	201309XX	201309XX	N	U-Unknow	Presumed	Non-specif	30	Decreasing	Natural/Na	Alameda |	Clifton Court Forebay (		37.8165	-121.558	Zone-10 N	T01S, R04E	TRACY FISH	MAPPED G	A HIGH PEI	Altered flo	EMIGRATII	YRLY SALV/	DWR, UNK	########	Clifton Cou	10	626908	4186435
Oncorhync	steelhead -	Fish	AFCHA020	Threatene	None	G5T2Q	S2		AFS_TH-Th	27	92687	91603	20120507	20120507	N	U-Unknow	Presumed	Non-specif	30	Decreasing	Natural/Na	Contra Cos	Lathrop (3712173) | S		38.10457	-121.6	Zone-10 N	T03N, R03E	SACRAMEN	AREA OF D	LOWER RI\	Non-native	ENTRAINM	ANNUAL SI	UNKNOWN	########	Bouldin Isla	10	622752	4218343
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-V	667	94261	89593	20110330	20110330	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Solano	Antioch Nc	15	38.0942	-121.875	Zone-10 N	T03N, R01E	MONTEZUI	A COMPLE:	ALKALINE VERNAL POOLS IN ANN			FOUND IN	PVT	########	Antioch Nc	10	598623	4216864
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-V	668	94264	93118	20100311	20100311	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	250	37.91452	-121.772	Zone-10 N	T01N, R02E	SW SIDE DI	MAPPED T	VERNAL PC	Road/trail	POTENTIAL	1-100 FOU	PVT	########	Antioch So	10	607958	4197042
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-V	669	94269	93122	20100209	20100209	N	A-Excellent	Presumed	Circular fea	40	Unknown	Natural/Na	Alameda	Clifton Cou	123	37.79081	-121.609	Zone-10 N	T02S, R03E	SW OF CLIF	MAPPED T	OPEN SPACE USED FOR CATTLE G			1 MALE AN	UNKNOWN	########	Clifton Cou	10	622467	4183516
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-V	670	94272	93125	20100216	20100216	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	110	37.83072	-121.643	Zone-10 N	T01S, R03E	WEST SIDE	MAPPED T	POOL IN GRAZED, TRAMPLED ARE			1 FEMALE /	EBRPD-BYF	########	Byron Hot	10	619445	4187901
Branchinec	longhorn fa	Crustacean	ICBRA0302	Endangere	None	G2	S2		IUCN_EN-E	12	94517	93381	20180215	20180405	Y	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	1065					*SENSITIVE	PLEASE CO	SEASONAL	Non-native	POTENTIAL	THREAT FROM NON-N		########	Byron Hot	0		
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-V	680	94518	94813	201205XX	201205XX	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Contra Cos	Byron Hot	900	37.8045	-121.69	Zone-10 N	T01S, R03E	SOUZA RO(	MAPPED G	SEASONAL	Developme	POTENTIAL	HOLOTYPE	EBRPD	########	Byron Hot	10	615330	4184932
Branchinec	vernal poo	Crustacean	ICBRA0303	Threatene	None	G3	S3		IUCN_VU-V	681	94519	93382	1983XXXX	1983XXXX	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	800	37.8146	-121.708	Zone-10 N	T01S, R02E	LOS VAQUI	MAPPED T	AREA DESI(	Grazing	GRAZING (	DETECTED	CCWD-LOS	########	Byron Hot	10	613748	4186031
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	964	94744	93592	20130205	20130205	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	180	37.7792	-121.597	Zone-10 N	T02S, R03E	ABOUT 1.2	MAPPED T	HABITAT CONSISTS OF A MANMA			13 ADULTS	DWR	########	Clifton Cou	10	623586	4182245
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	965	94751	93619	20170501	20170501	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	40	37.82321	-121.608	Zone-10 N	T01S, R03E	ABOUT 0.5	MAPPED T	HABITAT CONSISTED C		POSSIBLE T	2 LARVAE (	PVT	########	Clifton Cou	10	622536	4187113
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	966	94821	76482	20150406	20150406	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	950	37.77732	-121.721	Zone-10 N	T02S, R02E	ABOUT 1 N	STOCK POI	VALLEY GR	Non-native	PREDATOR	NO INCIDE	CCWD-LOS	########	Byron Hot	10	612651	4181879
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	967	94822	93697	20140109	20140109	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	580	37.79023	-121.669	Zone-10 N	T02S, R03E	3.1 AIR MII	MAPPED T	HABITAT C	Foot traffic	POSSIBLE T	1 JUVENILE	PVT	########	Byron Hot	10	617212	4183375
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	968	94925	93794	20170425	20170425	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	96	37.83494	-121.651	Zone-10 N	T01S, R03E	VASCO RD,	MAPPED T	HABITAT C	Foot traffic	POSSIBLE T	3-10 EGG N	EBRPD	########	Byron Hot	10	618666	4188358
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	969	94994	70765	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	750	37.85	-121.746	Zone-10 N	T01S, R02E	1.3 MI NW	POND M1.	HABITAT C	Developme	POSSIBLE T	PRESENT B	CCWD-LOS	########	Byron Hot	10	610325	4189914
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	970	94996	93862	20170502	20170502	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	60	37.8521	-121.681	Zone-10 N	T01S, R03E	ABOUT 1.2	MAPPED T	HABITAT CONSISTED C		POSSIBLE T	MORE THA	CCWD-LOS	########	Byron Hot	10	616031	4190225
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	971	94998	76550	20150404	20150404	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	520	37.80779	-121.722	Zone-10 N	T01S, R02E	ABOUT 3 N	POND F4. N	HABITAT C	Developme	POSSIBLE T	CTS NOTED	CCWD-LOS	########	Byron Hot	10	612540	4185259
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	972	95003	93868	19990108	19990108	N	U-Unknow	Presumed	Circular fea	50	Unknown	Natural/Na	Contra Cos	Brentwood	70	37.8814	-121.677	Zone-10 N	T01S, R03E	ABOUT 1.2	MAPPED TO PROVIDED COORDINATES. LOCA				3 M AND 5	UNKNOWN	########	Brentwood	10	616345	4193482
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2		IUCN_VU-V	359	95080	93953	20140417	20140417	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Bouldin Isla	0	38.05409	-121.627	Zone-10 N	T02N, R03E	ABOUT 0.9	MAPPED T	SNAKE FOL	Other | Bic	VEHICLES (	1 FOUND, (	PVT	########	Jersey Islar	10	620495	4212707
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1374	95099	93971	20120812	20120812	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	420	37.75181	-121.61	Zone-10 N	T02S, R03E	ABOUT 2 N	MAPPED T	PONDED A	ORV activit	VEHICLE TF	8 ADULT CI	PVT	########	Clifton Cou	10	622416	4179187
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1375	95146	94013	20100329	20100329	N	D-Poor	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	60	37.81491	-121.607	Zone-10 N	T01S, R03E	SW OF CLIF	MAPPED T	HABITAT C	Non-native	POSSIBLE T	POSSIBLE A	DWR	########	Clifton Cou	10	622623	4186194
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	980	95971	25536	20150404	20150404	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	300	37.83363	-121.685	Zone-10 N	T01S, R03E	PONDS AB(	MAPPED T	HABITAT C	Grazing	POSSIBLE T	NOTED AS	CCWD-LOS	########	Byron Hot	10	615689	4188171
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	981	95997	76420	20160501	20160501	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	925	37.76819	-121.729	Zone-10 N	T02S, R02E	0.25 MILE I	PONDS G1(	POND G12 BUILT IN 1996. CALIFO			BEFORE 19	CCWD-LOS	########	Byron Hot	10	611933	4180856
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	982	96006	76483	20150703	20150703	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	800	37.77701	-121.732	Zone-10 N	T02S, R02E	ALONG UP	FEATURES	CALIFORNIA RED-LEGGED FROGS			PRESENT IN	CCWD-LOS	########	Byron Hot	10	611629	4181831
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	983	96007	76493	20150406	20150406	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	880	37.78254	-121.731	Zone-10 N	T02S, R02E	PONDS AL(	SITE REPRE	CALIFORNIA RED-LEGGED FROGS			NONE DETI	CCWD-LOS	########	Byron Hot	10	611773	4182446
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	984	96019	76430	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	1025	37.77657	-121.751	Zone-10 N	T02S, R02E	POND ABO	STOCK POI	CALIFORNIA RED-LEGGED FROG A			EITHER NO	CCWD-LOS	########	Byron Hot	10	610028	4181760
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	985	96060	76559	20150403	20150403	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	250	37.84256	-121.704	Zone-10 N	T01S, R02E	PONDS IN	STOCK POI	STOCK POND & MARSH PONDS SU			4 LARVAE (	CCWD-LOS	########	Byron Hot	10	614022	4189138
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	986	96064	94943	20110506	20110506	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	200	37.85509	-121.7	Zone-10 N	T01S, R02E	ABOUT 0.5	MAPPED T	GRASSLAN	Mining | V	DURING C(	1 ADULT W	CCWD-LOS	########	Byron Hot	10	614325	4190533
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	987	96083	76549	20150404	20150404	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	750	37.80796	-121.712	Zone-10 N	T01S, R02E	POND ABO	MAPPED T	HABITAT C	Foot traffic	POSSIBLE T	NONE OBS	CCWD-LOS	########	Byron Hot	10	613386	4185290
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1378	96145	95016	20130417	20130417	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	140	37.7893	-121.614	Zone-10 N	T02S, R03E	NORTH OF	2013 COOF	HABITAT C	Vehicle col	POSSIBLY T	3 EGG MAS	PVT	########	Clifton Cou	10	622063	4183343
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1379	96146	95017	20100515	20100515	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Clifton Cou	120	37.79458	-121.613	Zone-10 N	T02S, R03E	NORTH OF	MAPPED T	HABITAT C	Vehicle col	POSSIBLY T	1 ADULT F(	PVT	########	Clifton Cou	10	622083	4183929
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	989	96228	95093	20110125	20110125	N	D-Poor	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	825	37.75985	-121.671	Zone-10 N	T02S, R03E	DYER RESE	MAPPED T	FOUND DU	Developme	THREATEN	INDIVIDUA	DWR	########	Byron Hot	10	617025	4180001
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1384	96492	95362	20120120	20120120	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	715	37.77879	-121.744	Zone-10 N	T02S, R02E	VICINITY O	MAPPED A	GENERAL H	Vehicle col	TRAFFIC OI	1 ADULT A	CCWD-LOS	########	Byron Hot	10	610599	4182015
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1385	96700	84994	20150403	20150403	N	B-Good	Presumed	Specific bo	10	Decreasing	Natural/Na	Contra Cos	Byron Hot	180	37.87035	-121.709	Zone-10 N	T01S, R02E	POND 0.7 N	POND B1.	CALIFORNIA TIGER SALAMANDER			NOT SURVI	CCWD-LOS	########	Byron Hot	10	613516	4192216
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1386	96702	95562	20160915	20160915	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	156	37.8676	-121.702	Zone-10 N	T01S, R02E	ALONG LO\	2013: ABO	2013: DEEF	Grazing | R	CATTLE GR	4 ADULTS \	CCWD-LOS	########	Byron Hot	10	614178	4191919
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1387	96704	89499	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	210	37.86778	-121.717	Zone-10 N	T01S, R02E	POND ABO	POND B2.	CALIFORNIA TIGER SALAMANDER			NO SURVEY	CCWD-LOS	########	Byron Hot	10	612812	4191920
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1388	96705	68275	20150403	20150403	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	230	37.86215	-121.728	Zone-10 N	T01S, R02E	POND 1.8 N	POND B6W	SEMIPERMANENT MARSH. IT APP			NONE DETI	CCWD-LOS	########	Byron Hot	10	611877	4191283
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1389	96735	95593	20120120	20120120	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	800	37.77121	-121.736	Zone-10 N	T02S, R02E	ALONG LO:	LOCATION	AREA DESC	Vehicle col	THREATEN	ONE JUVEN	CCWD-LOS	########	Byron Hot	10	611304	4181183
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1390	96763	95620	20110712	20110712	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	470	37.78968	-121.67	Zone-10 N	T02S, R03E	SPRING EA	JUST NORT	ALL FROGS WERE FOU		POTENTIAL	6 ADULTS \	PVT	########	Byron Hot	10	617146	4183314
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1391	96804	95664	20100217	20100217	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Byron Hot	190	37.83123	-121.668	Zone-10 N	T01S, R03E	CANADA D	NEAR CEN	POOL IS CR	Grazing	CATTLE GR	1 JUVENILE	PVT	########	Byron Hot	10	617190	4187925
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1392	96809	95668	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	545	37.81578	-121.756	Zone-10 N	T01S, R02E	WEST SIDE	POND J4.	STOCK POI	Dam/Inunc	RESERVOIR	THOUGH P	CCWD-LOS	########	Tassajara (	10	609500	4186105
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	996	96811	95668	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	545	37.81578	-121.756	Zone-10 N	T01S, R02E	WEST SIDE	POND J4. D	STOCK POND IN GRASSLAND WITI			DETECTED	CCWD-LOS	########	Tassajara (	10	609500	4186105
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	997	96818	95681	20150312	20150312	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	35	37.84334	-121.628	Zone-10 N	T01S, R03E	ABOUT 0.5	MAPPED T	LARVAE W	Other | Va	TRESPASSE	2 LARVAE \	PVT	########	Byron Hot	10	620728	4189321
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1394	96819	68280	20150410	20150410	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	600	37.84702	-121.762	Zone-10 N	T01S, R02E	ABOUT 2 N	POND L1.	STOCK POND. THE POND APPEAR			NONE DETI	CCWD-LOS	########	Tassajara (	10	608898	4189563
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	998	96869	76437	20160501	20160501	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1340	37.77495	-121.766	Zone-10 N	T02S, R02E	1.9 MILES N	POND H8.	VALLEY GRASSLANDS WITH WIDE			10 FOUND	CCWD-LOS	########	Tassajara (	10	608645	4181562
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1396	96908	95772	20140514	20140514	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	1455	37.92377	-121.862	Zone-10 N	T01N, R01E	ABOUT 1.3	MAPPED T	HABITAT NOTES STATE		THREATEN	PRESENT IN	EBRPD	########	Antioch So	10	599980	4197968
Agelaius tri	tricolored l	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	593	98194	96961	20080427	20110417	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	45	37.822	-121.617	Zone-10 N	T01S, R03E	ABOUT 0.6	COLONY D/	SMALL WETLAND POND RINGED E			APPROXIM	UNKNOWN	########	Clifton Cou	10	621693	4186966
Bombus cr	Crotch bun	Insects	IIHYM2448	None	Candidate	G2	S2		IUCN_EN-E	14	98555	10572	19260425	19260425	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch So	50	38.00282	-121.803	Zone-10 N	T02N, R02E	ANTIOCH.	EXACT LOCATION UNKNOWN. MAPPED BY CI				COLLECTED	UNKNOWN	########	Antioch Nc	10	605091	4206803
Bombus oc	western bu	Insects	IIHYM2425	None	Candidate	G3	S1		IUCN_VU-V	211	100093	10815	19400708	19400708	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Brentwood	80	37.93195	-121.696	Zone-10 N	T01N, R03E	BRENTWO(	EXACT LOCATION UNKNOWN. MAPPED BY CI				COLLECTED	UNKNOWN	########	Brentwood	10	614597	4199067
Bombus oc	western bu	Insects	IIHYM2425	None	Candidate	G3	S1		IUCN_VU-V	213	100099	79661	19740922	19740922	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Antioch So	800	37.95777	-121.881	Zone-10 N	T01N, R01E	NORTONVI	EXACT LOCATION UNKNOWN. MAPPED BY CI				COLLECTIO	EBRPD-BLA	########	Clayton (37	10	598339	4201721
Bombus oc	western bu	Insects	IIHYM2425	None	Candidate	G3	S1		IUCN_VU-V	214	100101	25566	19360809	19360809	N	U-Unknow	Presumed	Circular fea	90	Unknown	Natural/Na	Contra Cos	Brentwood	25	37.99586	-121.712	Zone-10 N	T02N, R02E	OAKLEY.	EXACT LOCATION UNKNOWN. MAPPED BY CI				COLLECTIO	UNKNOWN	########	Brentwood	10	613085	4206139
Bombus oc	western bu	Insects	IIHYM2425	None	Candidate	G3	S1		IUCN_VU-V	215	100104	10608	19790811	19790811	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch Nc	25	38.01482	-121.79	Zone-10 N	T02N, R02E	ANTIOCH D	ANTIOCH DUNES NATIONAL WILDLIFE REFUG				COLLECTIO	USFWS, PV	########	Antioch Nc	10	606184	4208149
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3		CDFW_WL	1014	100759	99231	20190925	20190925	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda |	Livermore	693	37.75216	-121.801	Zone-10 N	T02S, R02E	ALONG UN	SITE INLCU	CREATED P	Grazing | R	ROAD WOI	1 EGGMAS	PVT	########	Tassajara (	10	605622	4178994
Reithrodor	salt-marsh	Mammals	AMAFF020	Endangere	Endangere	G1G2	S3		CDFW_FP-l	201	100916	99365	20150812	20150812	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Sacrament	Antioch Nc	5	38.06001	-121.833	Zone-10 N	T03N, R01E	NW CORNE	MAPPED T	TIDAL WET	Non-native	FLOODING	1 ADULT C/	DFG-LOWE	########	Antioch Nc	10	602397	4213116
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2		IUCN_VU-V	402	100931	99380	20151008	20151008	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Jersey Islar	-10	38.05726	-121.676	Zone-10 N	T03N, R03E	N END JERSEY ISLAND,		HABITAT FI	Waterway	CONSTRUC	1 SUBADUI	UNKNOWN	########	Jersey Islar	10	616143	4212996
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3		CDFW_SSC	1422	100933	99382	20150316	20150316	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	30	37.84528	-121.625	Zone-10 N	T01S, R03E	E OF THE 4	MAPPED T	ANNUAL G	Vandalism,	TRESSPASS	1 DESSICAT	PVT	########	Clifton Cou	10	620998	4189540
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4		BLM_S-Ser	2676	101359	99813	20150305	20150305	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Woodward	9	37.9386	-121.615	Zone-10 N	T01N, R03E	ABOUT 0.3	MAPPED T	NEST IN LA	Other	POSSIBLE T	ACTIVE NE:	PVT	########	Woodward	10	621730	4199907
Masticophi	Alameda w	Reptiles	ARADB210	Threatene	Threatene	G4T2	S2			167	101493	99946	20130413	20130413	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Tassajara (	1942	37.83269	-121.795	Zone-10 N	T01S, R02E	ABOUT 3.7	MAPPED T	CHAPARRAL.			1 ADULT F(	EBRPD-MC	########	Tassajara (	10	606019	4187936
Agelaius tri	tricolored l	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	838	101790	A0227	20150315	20150315	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Contra Cos	Antioch So	314	37.93109	-121.794	Zone-10 N	T01N, R02E	0.5-1 MI N'	COLONY D/	MAN MADE GOLF COURSE PONDS			ABOUT 30	PVT	########	Antioch So	10	605992	4198855
Agelaius tri	tricolored l	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	841	101831	A0269	20110417	20150419	N	U-Unknow	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Altamont (	629	37.749	-121.709	Zone-10 N	T02S, R02E	AT N END (	1994 & 19(	HABITAT CONSISTED OF GRASSES			NESTING IN	PVT, LIVER	########	Altamont (	10	613777	4178751
Agelaius tri	tricolored l	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	939	103398	A1804	20080425	20080425	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	820	37.76705	-121.734	Zone-10 N	T02S, R02E	JUST W OF	MAPPED A	STOCK POND SURROUNDED BY V/			ABOUT 25(	CCWD-LOS	########	Byron Hot	10	611468	4180723
Agelaius tri	tricolored l	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	940	103399	76688	20080425	20080425	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	300	37.82754	-121.682	Zone-10 N	T01S, R03E	ABOUT 2.2	EAST OF LC	STOCK POND SURROUNDED BY V/			ABOUT 30(	CCWD-LOS	########	Byron Hot	10	615966	4187499
Agelaius tri	tricolored l	Birds	ABPBXB00	None	Threatene	G1G2	S2		BLM_S-Ser	941	103400	A1806	20080425	20080425	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Byron Hot	291	37.83064	-121.687	Zone-10 N	T01S, R03E	ABOUT 1.9	MAPPED T	STOCK POND SURROUNDED BY V/			ABOUT 80	CCWD-LOS	########	Byron Hot	10	615529	4187837

Agelaius tr	tricolored	Birds	ABPBXB00	None	Threatene	G1G2	S2	BLM_S-Ser	942	103401	76482	20080425	20080425	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	920	37.77732	-121.721	Zone-10 N	T02S, R02E	ABOUT 1 M	MAPPED A	STOCK POND SURROUNDED BY V			ABOUT 20	CCWD-LOS	########	Byron Hot	10	612651	4181879
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4	BLM_S-Ser	2690	103422	A1826	20160329	20160329	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Antioch So	116	37.99229	-121.776	Zone-10 N	T02N, R02I	NORTH EN	MAPPED T	2015 NEST	Other	PLANNED E	NESTING P.	PVT, CITY (	########	Antioch So	10	607521	4205666
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2	IUCN_VU-\	404	103608	A2016	20160415	20160415	N	A-Excellent	Presumed	Circular fea	40	Unknown	Natural/Na	Sacrament	Antioch Nc	0	38.03933	-121.784	Zone-10 N	T02N, R02I	LEVEE AT V	MAPPED T	FOUND ON LEVEE ROAD ADJACEN			1 JUVENILE	DWR	########	Antioch Nc	10	606668	4210876
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2	IUCN_VU-\	405	103609	A2017	20160412	20160412	N	A-Excellent	Presumed	Circular fea	40	Unknown	Natural/Na	Sacrament	Antioch Nc	0	38.03332	-121.767	Zone-10 N	T02N, R02I	LEVEE AT S	MAPPED T	FOUND ON LEVEE ROAD ADJACEN			1 JUVENILE	DWR	########	Antioch Nc	10	608167	4210229
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2	IUCN_VU-\	406	103610	A2018	20150430	20150430	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islar	0	38.05251	-121.659	Zone-10 N	T02N, R03I	SW SIDE OI	JERSEY ISL/	FOUND ON	Waterway	TRAFFIC, LI	1 ADULT F	UNKNOWN	########	Jersey Islar	10	617674	4212490
Thamnoph	giant garte	Reptiles	ARADB361	Threatene	Threatene	G2	S2	IUCN_VU-\	407	103613	A2019	20160505	20160505	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Sacrament	Jersey Islar	0	38.09424	-121.647	Zone-10 N	T03N, R03I	S SIDE OF T	MAPPED T	LEVEE ROA	Waterway	VEHICLE TF	JUVENILE S	DWR	########	Jersey Islar	10	618677	4217136
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4	BLM_S-Ser	2692	103661	A2064	20160427	20160427	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	345	37.91109	-121.778	Zone-10 N	T01N, R02I	ABOUT 0.5	MAPPED T	NEST IN O/	Other	TRANSMIS:	FEMALE OI	CONTRA C	########	Antioch So	10	607418	4196654
Agelaius tr	tricolored	Birds	ABPBXB00	None	Threatene	G1G2	S2	BLM_S-Ser	987	103872	A2263	1993XXXX	19940423	N	U-Unknow	Presumed	Circular fea	60	Unknown	Natural/Na	Alameda	Livermore	759	37.747	-121.819	Zone-10 N	T02S, R01E	ABOUT 0.6	MAPPED A	TALL GREEN MUSTARD FIELD IN 1			BREEDING	UNKNOWN	########	Livermore	10	604063	4178401
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1029	103926	A2311	20160511	20160511	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	672	37.8939	-121.821	Zone-10 N	T01N, R01I	ABOUT 0.7	MAPPED T	STOCK POND IN NON-NATIVE ANI			10 LARVAE	PVT	########	Antioch So	10	603699	4194699
Laterallus j	California k	Birds	ABNME03	None	Threatene	G3T1	S2	BLM_S-Ser	292	104996	A3362	20100413	20100413	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Woodward	4	37.9934	-121.579	Zone-10 N	T02N, R04I	ALONG OLI	MAPPED T	MARSH.			2 AURAL D	UNKNOWN	########	Woodward	10	624801	4206036
Laterallus j	California k	Birds	ABNME03	None	Threatene	G3T1	S2	BLM_S-Ser	293	104999	A3365	19920515	19920515	N	B-Good	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Bouldin Isla	10	38.0014	-121.568	Zone-10 N	T02N, R04I	WITHIN CC	BLACK RAII	HABITAT C	Recreation	POSSIBLE T	1 RAIL RESI	UNKNOWN	########	Bouldin Isla	10	625718	4206938
Laterallus j	California k	Birds	ABNME03	None	Threatene	G3T1	S2	BLM_S-Ser	294	105001	A3367	20100413	20100413	N	U-Unknow	Presumed	Circular fea	40	Unknown	Natural/Na	San Joaqui	Bouldin Isla	6	38.0111	-121.557	Zone-10 N	T02N, R04I	WITHIN CC	BLACK RAII	MARSH AND RIPARIAN SHRUB-SC			2 AURAL D	UNKNOWN	########	Bouldin Isla	10	626693	4208029
Laterallus j	California k	Birds	ABNME03	None	Threatene	G3T1	S2	BLM_S-Ser	295	105002	A3368	20100317	20100317	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Woodward	6	37.9917	-121.51	Zone-10 N	T02N, R04I	LATHAM SI	BLACK RAII	MARSH.			1 AURAL D	UNKNOWN	########	Woodward	10	630810	4205941
Laterallus j	California k	Birds	ABNME03	None	Threatene	G3T1	S2	BLM_S-Ser	296	105008	A3374	20100414	20100414	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	San Joaqui	Bouldin Isla	0	38.04678	-121.529	Zone-10 N	T02N, R04I	ALONG MII	MAPPED A	MARSH.			0 DETECTE	UNKNOWN	########	Bouldin Isla	10	629058	4212026
Laterallus j	California k	Birds	ABNME03	None	Threatene	G3T1	S2	BLM_S-Ser	324	105442	A3790	20140515	20140515	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Jersey Islar	7	38.01383	-121.739	Zone-10 N	T02N, R02I	S BANK OF	FEATURE II	FRESHWATER MARSH DOMINATE			REPORTED	PVT-DUPOI	########	Jersey Islar	10	610720	4208100
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3	CDFW_SSC	1471	108195	A6435	20170131	20170131	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Antioch So	630	37.8929	-121.828	Zone-10 N	T01N, R01I	N OF MAR:	MAPPED T	DETECTED	Other | No	APPARENT	APPROXIM	PVT	########	Antioch So	10	603067	4194579
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1044	108240	A6479	20161210	20161210	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Altamont (	1011	37.74972	-121.647	Zone-10 N	T02S, R03E	ALTAMON'	MAPPED T	LEACHATE	Landfill	ACTIVE, PE	1 ADULT M	PVT	########	Altamont (	10	619237	4178909
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4	BLM_S-Ser	2742	110039	A8258	20170417	20170417	N	C-Fair	Presumed	Circular fea	40	Unknown	Natural/Na	Sacrament	Jersey Islar	0	38.11876	-121.662	Zone-10 N	T03N, R03I	S SIDE SEVI	MAPPED T	NEST IN LIVE OAK IN RIPARIAN CC			7 ADULTS (	PVT	########	Jersey Islar	10	617306	4219838
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4	BLM_S-Ser	2755	112966	B1078	20170616	20170616	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Jersey Islar	2	38.00595	-121.666	Zone-10 N	T02N, R03I	ABOUT 0.8	MAPPED T	NEST IN DEAD TOP OF LARGE COT			2 ADULTS \	DWR	########	Jersey Islar	10	617089	4207314
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4	BLM_S-Ser	2763	114646	B2712	20170706	20170706	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Sacrament	Jersey Islar	0	38.03314	-121.741	Zone-10 N	T02N, R02I	SOUTH ENI	MAPPED T	NEST IN EUCALYPTUS TREE SURR(			NESTING P.	RECLAMAT	########	Jersey Islar	10	610459	4210239
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1079	114656	B2724	20170524	20170524	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1257	37.78721	-121.782	Zone-10 N	T02S, R02E	ABOUT 1.3	ON ROUNE	STOCK POND IN STEEP DRAINAGE			10 LARVAE	PVT	########	Tassajara (	10	607220	4182904
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1080	114720	70505	20170601	20170601	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	175	37.83944	-121.679	Zone-10 N	T01S, R03E	1.9 MILES S	ECCCHCP V	90'X170'X3.6' EPHEMERAL POND			1 LARVA O	EBRPD	########	Byron Hot	10	616205	4188822
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1081	114723	B2788	20170605	20170605	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	100	37.84124	-121.662	Zone-10 N	T01S, R03E	ABOUT 1.7	VASCO HIL	60'X150'X4' EPHEMERAL STOCK P			2 LARVAE (	EBRPD	########	Byron Hot	10	617688	4189043
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1082	115490	B3573	20171016	20171016	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	2035	37.8205	-121.792	Zone-10 N	T01S, R02E	POND ABO	MAPPED T	LIVESTOCK	Hybridizati	POSSIBLE H	7 LARVAE (	EBPRD-MC	########	Tassajara (	10	606311	4186587
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1087	116662	B3747	20171031	20171031	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Clifton Cou	491	37.76828	-121.627	Zone-10 N	T02S, R03E	1.1-1.3 MI	MAPPED T	SEASONAL	Grazing | C	CATTLE RA	3 LARVAE (	PVT	########	Byron Hot	10	620961	4180994
Buteo swai	Swainson's	Birds	ABNKC190	None	Threatene	G5	S4	BLM_S-Ser	2806	116924	B4009	20170705	20170705	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Clifton Cou	0	37.83803	-121.598	Zone-10 N	T01S, R03E	CLIFTON C	MAPPED T	NEST TREE	Vehicle col	VEHICLE ST	NESTING P.	DWR	########	Clifton Cou	10	623379	4188771
Branchinec	longhorn fa	Crustacean	ICBRA0302	Endangere	None	G2	S2	IUCN_EN-E	22	118488	B5521	20180403	20180410	Y	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	604					*SENSITIVE	PLEASE CO	SMALL SEASONAL POOLS ON SANDSTONE OUTCROPS. A					########	Byron Hot	0		
Branchinec	longhorn fa	Crustacean	ICBRA0302	Endangere	None	G2	S2	IUCN_EN-E	23	118489	B5522	20171207	20180216	Y	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	883					*SENSITIVE	PLEASE CO	SMALL SEASONAL POOLS ON SANDSTONE OUTCROPS.					########	Byron Hot	0		
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1152	119374	B6321	20190423	20190423	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda	Altamont (	617	37.74982	-121.748	Zone-10 N	T02S, R02E	BETWEEN (	CALIFORNI.	NON-NATI'	Other | Dis	ROAD TRAI	6 ADULTS F	PVT	########	Altamont (	10	610263	4178795
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1153	119379	B6323	20190130	20190130	N	C-Fair	Presumed	Specific bo	20	Unknown	Natural/Na	Alameda	Byron Hot	1050	37.76049	-121.738	Zone-10 N	T02S, R02E	N VASCO RD, 2.5 MILE		GRAZED GI	Developme	RISK OF EN	1 JUVENILE	PVT	########	Byron Hot	10	611192	4179992
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1156	119387	B6333	20170605	20180625	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Livermore	689	37.74931	-121.788	Zone-10 N	T02S, R02E	0.6 MILE S(	SITE NAME	POND IN NON-NATIVE GRASSLAN			LARVAE FO	UNKNOWN	########	Livermore	10	606778	4178692
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1171	119448	B6390	20170512	20170512	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	853	37.7659	-121.847	Zone-10 N	T02S, R01E	1 MILE SOUTHEAST OF		POND IN GRASSLAND			2 ADULTS (	UNKNOWN	########	Tassajara (	10	601523	4180468
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1173	119461	B6404	20190625	20190625	N	A-Excellent	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	771	37.76346	-121.808	Zone-10 N	T02S, R01E	AT MANNII	CAYETANO	8 MITIGATION WETLAND PONDS (			DETECTED	PVT	########	Tassajara (	10	605007	4180240
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1174	119464	B6406	20180514	20180514	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	2194	37.80838	-121.797	Zone-10 N	T01S, R02E	0.25 MILE WEST OF M		TURBID SEASONAL STOCK POND (			13 LARVAE	PVT	########	Tassajara (	10	605899	4185236
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1175	119466	B6409	20140325	20140325	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	817	37.76603	-121.837	Zone-10 N	T02S, R01E	1.5 MILES S	MAPPED T	CATTLE/HORSE RANCH, RUDERAL			1 ADULT O	UNKNOWN	########	Tassajara (	10	602436	4180493
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1176	119469	76761	20150409	20150409	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1980	37.81702	-121.788	Zone-10 N	T01S, R02E	0.5 MILES E	POND I2.	STOCK POND IN GRASSLAND/OAK			NONE DETI	CCWD-LOS	########	Tassajara (	10	606707	4186206
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1177	119479	76644	20140428	20140428	N	B-Good	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	490	37.82818	-121.76	Zone-10 N	T01S, R02E	LOS VAQUI	SITES K6W,	PONDS IN '	Dam/Inunc	RESERVOIR	BREEDING	CCWD-LOS	########	Tassajara (	10	609136	4187476
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1178	119483	76635	20150703	20150703	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	590	37.83924	-121.76	Zone-10 N	T01S, R02E	1.7 MILES \	SITE NAME	POND IN VALLEY GRASSLANDS WI			BREEDING	CCWD-LOS	########	Tassajara (	10	609147	4188704
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1179	119484	B6424	20180111	20180111	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	801	37.85427	-121.756	Zone-10 N	T01S, R02E	POND ALONG HARDY (		POND IN OPEN SPACE/RANGE LAI			16 LARVAE	EBRPD-ROI	########	Tassajara (	10	609454	4190376
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1180	119485	B6425	2002XXXX	2002XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	481	37.84597	-121.781	Zone-10 N	T01S, R02E	JUST S OF I	SITE: RVPND003.				5 LARVAE /	EBRPD-ROI	########	Tassajara (	10	607212	4189425
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1181	119510	B6451	20190507	20190507	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1018	37.87293	-121.812	Zone-10 N	T01S, R01E	JUST WEST OF HOG C/		PONDS.			5 LARVAE (	UNKNOWN	########	Tassajara (	10	604490	4192381
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1182	119511	B6452	20150326	20150326	N	C-Fair	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	305	37.87469	-121.752	Zone-10 N	T01S, R02E	NORTH OF MARSH CRI		LAND GRA:	Grazing	HEAVY DIS'	12 LARVAE	PVT	########	Tassajara (	10	609787	4192646
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1183	119512	B6453	20100415	20100415	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	870	37.86737	-121.876	Zone-10 N	T01S, R01E	CURRY CAI	SITE NAME	OPEN FIELDS CONSISTING OF OAI			LARVAE FO	PVT	########	Tassajara (	10	598895	4191695
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1184	119513	B6454	20100415	20100415	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1185	37.86688	-121.865	Zone-10 N	T01S, R01E	0.8 MILE S(	SITE NAME	OPEN FIELDS CONSISTING OF OAI			LARVAE FO	PVT	########	Tassajara (	10	599825	4191653
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1185	119514	B6455	20100415	20100415	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1191	37.86144	-121.861	Zone-10 N	T01S, R01E	1.3 MILES S	SITE NAME	OPEN FIELDS CONSISTING OF OAI			LARVAE FO	PVT	########	Tassajara (	10	600195	4191053
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1186	119515	B6456	20100415	20100415	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1884	37.85402	-121.869	Zone-10 N	T01S, R01E	0.3 MILE E/	SITE NAME	OPEN FIELDS CONSISTING OF OAI			LARVAE FO	PVT	########	Tassajara (	10	599504	4190221
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1187	119516	B6457	20100415	20100415	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1305	37.85463	-121.86	Zone-10 N	T01S, R01E	0.8 MILE E/	SITE NAME	OPEN FIELDS CONSISTING OF OAI			LARVAE FO	PVT	########	Tassajara (	10	600293	4190298
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1188	119571	B6509	20000117	20000117	N	X-None	Possibly Ex	Non-specif	30	Unknown	Natural/Na	Contra Cos	Brentwood	116	37.88341	-121.692	Zone-10 N	T01N, R03I	JUST SOUT	MAPPED G	AERIAL IM/	Agriculture	CONVERSI(	DETECTED	PVT	########	Brentwood	10	615001	4193685
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1189	119572	B6511	20161201	20161201	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	167	37.85544	-121.666	Zone-10 N	T01S, R03E	0.7 MILE S(	MAPPED T	DISTURBED	Mining	USE AS SAI	1 ADULT M	PVT	########	Byron Hot	10	617361	4190614
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1190	119575	76688	20180203	20180203	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	300	37.82754	-121.682	Zone-10 N	T01S, R03E	2.7 MILES S	SITE NAME	EPHEMERAL POND IN ANNUAL GI			NONE DETI	CCWD, EBI	########	Byron Hot	10	615966	4187499
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1191	119585	B6524	20190124	20190124	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	933	37.78467	-121.709	Zone-10 N	T02S, R02E	NORTH OF	MAPPED T	CATTLE POND BREEDING HABITA			1 SUBADUI	PVT	########	Byron Hot	10	613673	4182709
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1192	119610	B6549	2002XXXX	2002XXXX	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	843	37.75569	-121.7	Zone-10 N	T02S, R02E	JUST NORT	SITE NAME	BPPND001.			6 EGG MA:	EBRP-BRUS	########	Byron Hot	10	614554	4179505
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1193	119618	B6557	1993XXXX	1993XXXX	N	X-None	Extirpated	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	463	37.8337	-121.75	Zone-10 N	T01S, R02E	LOS VAQUI	MAPPED T	1993 AERI/	Dam/Inunc	INUNDATI(	PRESENT B	CCWD-LOS	########	Byron Hot	10	609993	4188100
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1194	119619	B6558	1993XXXX	1993XXXX	N	X-None	Extirpated	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	427	37.82782	-121.744	Zone-10 N	T01S, R02E	LOS VAQUI	MAPPED T	1993 AERI/	Dam/Inunc	INUNDATI(	PRESENT B	CCWD-LOS	########	Byron Hot	10	610519	4187454
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1195	119624	B6562	20171031	20171031	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	524	37.78206	-121.656	Zone-10 N	T02S, R03E	ALONG DRAINAGE 1.7		SEASONAL	Grazing | C	CATTLE RA	7 JUVENILE	PVT	########	Byron Hot	10	618357	4182485
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1196	119625	B6564	20181206	20181206	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Alameda	Byron Hot	708	37.77645	-121.652	Zone-10 N	T02S, R03E	JUST SOUT	MAPPED T	OPEN GRASSLAND WITH CATTLE (			1 ADULT O	PVT	########	Byron Hot	10	618696	4181867
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1197	119638	B6578	1993XXXX	1993XXXX	N	D-Poor	Presumed	Circular fea	40	Unknown	Natural/Na	Contra Cos	Brentwood	119	37.87748	-121.683	Zone-10 N	T01S, R03E	1 MILE SOU	MAPPED A	AERIAL IM/	Agriculture	AGRICULTU	DETECTED	PVT	########	Brentwood	10	615836	4193038
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1198	119674	B6614	20170622	20170622	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Brentwood	217	37.90954	-121.752	Zone-10 N	T01N, R02I	SOUTHWE:	SITE MC2, I	BREEDING POND IN GRAZED GRA:			LARVAE FO	CCWD	########	Antioch So	10	609717	4196513
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1199	119675	B6615	20170622	20170622	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	281	37.90385	-121.756	Zone-10 N	T01N, R02I	0.6 MILES S	SITE MC3, I	POND IN GRAZED GRASSLAND.			1 DIP NETT	CCWD	########	Antioch So	10	609366	4195876
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1200	119678	B6617	20170720	20170720	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	237	37.89839	-121.76	Zone-10 N	T01N, R02I	0.4 MILE N	SITE MC4, I	POND IN GRAZED GRASSLAND.			1 DIP NETT	CCWD	########	Antioch So	10	609036	4195266
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1201	119680	B6620	20160412	20170720	N	U-Unknow	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	359	37.90516	-121.794	Zone-10 N	T01N, R02I	1.6 MILES \	SITE MC5, I	POND IN GRASSLAND.			1 DIP NETT	CCWD	########	Antioch So	10	606018	4195978
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3	CDFW_SSC	1713	119867	B6799	20180905	20180905	N	A-Excellent	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Tassajara (	1865	37.83306	-121.792	Zone-10 N	T01S, R02E	POND ABO	MAPPED T	LIVESTOCK POND IN GRAZED RAN			3 ADULTS /	EBRPD-MC	########	Tassajara (	10	606319	4187980
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3	CDFW_SSC	1716	120341	B7272	20190507	20190507	N	U-Unknow	Presumed	Specific bo	20	Unknown	Natural/Na	Contra Cos	Tassajara (	1084	37.87295	-121.813	Zone-10 N	T01S, R01E	PONDS ABOUT 0.8 MI		PONDS IN DIABLO FOOTHILLS.			1 JUVENILE	UNKNOWN	########	Tassajara (	10	604405	4192383
Rana drayt	California r	Amphibian	AAABH010	Threatene	None	G2G3	S2S3	CDFW_SSC	1727	120352	B7283	20200207	20200207	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Byron Hot	486	37.8345	-121.728	Zone-10 N	T01S, R02E	DAM OUTL	MAPPED T	FOUND WI	Other	OPERATIOI	1 SUBADUI	CCWD-LOS	########	Byron Hot	10	611972	4188215
Acipenser ı	green sturg	Fish	AFCAA010	Threatene	None	G2T1	S1	AFS_VU-Vu	9	121175	B8096	20190903	20190903	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda |	Lathrop (37	0	38.09087	-121.649	Zone-10 N	T03N, R03I	SACRAMEN	SAN JOAQ	CRITICAL H	Altered flo	ENTRAINM	CAUGHT O	USACE, USI	########	Jersey Islar	10	618455	4216759
Acipenser ı	green sturg	Fish	AFCAA010	Threatene	None	G2T1	S1	AFS_VU-Vu	10	121221	B8107	20211201	20211201	N	B-Good	Presumed	Non-specif	30	Unknown	Natural/Na	Alameda |	Oakland W	0	38.06927	-122.352	Zone-10 N	T, R, Sec. 0	SAN FRAN(	INCLUDES I	TYPE LOCA	Insufficient	SMALL POF	CAUGHT/C	USACE, USI	########	Mare Islan	10	556857	4213699
Ambystom	California t	Amphibian	AAAAA011	Threatene	Threatene	G2G3T3	S3	CDFW_WL	1272	124178	B9026	20220430	20220430	N	B-Good	Presumed	Specific bo	10	Unknown	Natural/Na	Contra Cos	Antioch So	847	37.95519	-121.861	Zone-10 N	T01N, R01I	0.25 MI SE	MAPPED T	SMALL CATTLE POND WITHIN GR/			SEVERAL L/	EBRPD-BLA	########	Antioch So	10	600103	4201455



Appendix B

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

East Lone Tree Specific Plan Project

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	1,530.18	1000sqft	87.82	1,530,176.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2032
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage updated to represent total acreage of project site.

Demolition - Demolition material amount representative of existing buildings located on parcel 3. Square footage estimated using ArcGIS.

Construction Phase - Architectural coating assumed to start two weeks after the initiation of building construction, and last for the same duration.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,550.00
tblConstructionPhase	PhaseEndDate	5/28/2032	1/9/2032
tblConstructionPhase	PhaseEndDate	7/25/2031	12/26/2031
tblConstructionPhase	PhaseEndDate	12/26/2031	1/16/2026
tblConstructionPhase	PhaseStartDate	12/27/2031	1/31/2026

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	8/16/2025	1/17/2026
tblConstructionPhase	PhaseStartDate	7/26/2031	8/16/2025
tblLandUse	LandUseSquareFeet	1,530,180.00	1,530,176.00
tblLandUse	LotAcreage	35.13	87.82

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1844	1.7565	1.4883	3.0300e-003	0.5342	0.0801	0.6143	0.2671	0.0741	0.3412	0.0000	266.1175	266.1175	0.0760	4.8000e-004	268.1583
2025	0.2849	2.6903	2.8725	6.2300e-003	0.8519	0.1126	0.9645	0.3330	0.1036	0.4366	0.0000	547.8010	547.8010	0.1730	3.5000e-004	552.2308
2026	1.6124	3.2110	4.0577	0.0143	0.7804	0.0851	0.8654	0.2124	0.0804	0.2928	0.0000	1,336.2801	1,336.2801	0.0956	0.0967	1,367.4926
2027	1.7309	3.3000	4.1046	0.0146	0.8213	0.0866	0.9079	0.2235	0.0820	0.3054	0.0000	1,370.1490	1,370.1490	0.0953	0.0991	1,402.0492
2028	1.7158	3.2725	4.0274	0.0143	0.8181	0.0861	0.9042	0.2226	0.0814	0.3041	0.0000	1,344.7563	1,344.7563	0.0941	0.0964	1,375.8445
2029	1.7141	3.2633	3.9879	0.0141	0.8213	0.0861	0.9074	0.2235	0.0815	0.3050	0.0000	1,328.9107	1,328.9107	0.0937	0.0944	1,359.3691
2030	1.6937	2.6222	3.9503	0.0144	0.8213	0.0323	0.8536	0.2235	0.0318	0.2553	0.0000	1,351.6388	1,351.6388	0.0352	0.0923	1,380.0348
2031	1.6828	2.5852	3.8706	0.0141	0.8130	0.0318	0.8448	0.2212	0.0313	0.2525	0.0000	1,321.8943	1,321.8943	0.0342	0.0896	1,349.4364
2032	0.0370	3.2900e-003	0.0113	3.0000e-005	2.7100e-003	8.0000e-005	2.7900e-003	7.2000e-004	8.0000e-005	8.0000e-004	0.0000	2.6812	2.6812	7.0000e-005	4.0000e-005	2.6944
Maximum	**1.7309**	**3.3000**	**4.1046**	**0.0146**	**0.8519**	**0.1126**	**0.9645**	**0.3330**	**0.1036**	**0.4366**	**0.0000**	**1,370.1490**	**1,370.1490**	**0.1730**	**0.0991**	**1,402.0492**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1844	1.7565	1.4883	3.0300e-003	0.5342	0.0801	0.6143	0.2671	0.0741	0.3412	0.0000	266.1172	266.1172	0.0760	4.8000e-004	268.1580
2025	0.2849	2.6903	2.8725	6.2300e-003	0.8519	0.1126	0.9645	0.3330	0.1036	0.4366	0.0000	547.8004	547.8004	0.1730	3.5000e-004	552.2301
2026	1.6124	3.2110	4.0577	0.0143	0.7804	0.0851	0.8654	0.2124	0.0804	0.2928	0.0000	1,336.2797	1,336.2797	0.0956	0.0967	1,367.4922
2027	1.7309	3.3000	4.1046	0.0146	0.8213	0.0866	0.9079	0.2235	0.0820	0.3054	0.0000	1,370.1486	1,370.1486	0.0953	0.0991	1,402.0488
2028	1.7158	3.2725	4.0274	0.0143	0.8181	0.0861	0.9042	0.2226	0.0814	0.3041	0.0000	1,344.7559	1,344.7559	0.0941	0.0964	1,375.8441
2029	1.7141	3.2633	3.9879	0.0141	0.8213	0.0861	0.9074	0.2235	0.0815	0.3050	0.0000	1,328.9103	1,328.9103	0.0937	0.0944	1,359.3687
2030	1.6937	2.6222	3.9503	0.0144	0.8213	0.0323	0.8536	0.2235	0.0318	0.2553	0.0000	1,351.6384	1,351.6384	0.0352	0.0923	1,380.0343
2031	1.6828	2.5852	3.8706	0.0141	0.8130	0.0318	0.8448	0.2212	0.0313	0.2525	0.0000	1,321.8939	1,321.8939	0.0342	0.0896	1,349.4360
2032	0.0370	3.2900e-003	0.0113	3.0000e-005	2.7100e-003	8.0000e-005	2.7900e-003	7.2000e-004	8.0000e-005	8.0000e-004	0.0000	2.6812	2.6812	7.0000e-005	4.0000e-005	2.6944
Maximum	**1.7309**	**3.3000**	**4.1046**	**0.0146**	**0.8519**	**0.1126**	**0.9645**	**0.3330**	**0.1036**	**0.4366**	**0.0000**	**1,370.1486**	**1,370.1486**	**0.1730**	**0.0991**	**1,402.0488**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-3-2024**	**9-2-2024**	0.7643	0.7643

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2	**9-3-2024**	**12-2-2024**	0.8630	0.8630
3	**12-3-2024**	**3-2-2025**	0.9723	0.9723
4	**3-3-2025**	**6-2-2025**	1.0159	1.0159
5	**6-3-2025**	**9-2-2025**	0.8785	0.8785
6	**9-3-2025**	**12-2-2025**	0.3105	0.3105
7	**12-3-2025**	**3-2-2026**	0.7232	0.7232
8	**3-3-2026**	**6-2-2026**	1.2687	1.2687
9	**6-3-2026**	**9-2-2026**	1.2603	1.2603
10	**9-3-2026**	**12-2-2026**	1.2650	1.2650
11	**12-3-2026**	**3-2-2027**	1.2543	1.2543
12	**3-3-2027**	**6-2-2027**	1.2618	1.2618
13	**6-3-2027**	**9-2-2027**	1.2535	1.2535
14	**9-3-2027**	**12-2-2027**	1.2579	1.2579
15	**12-3-2027**	**3-2-2028**	1.2617	1.2617
16	**3-3-2028**	**6-2-2028**	1.2559	1.2559
17	**6-3-2028**	**9-2-2028**	1.2478	1.2478
18	**9-3-2028**	**12-2-2028**	1.2519	1.2519
19	**12-3-2028**	**3-2-2029**	1.2407	1.2407
20	**3-3-2029**	**6-2-2029**	1.2484	1.2484
21	**6-3-2029**	**9-2-2029**	1.2404	1.2404
22	**9-3-2029**	**12-2-2029**	1.2443	1.2443
23	**12-3-2029**	**3-2-2030**	1.1276	1.1276
24	**3-3-2030**	**6-2-2030**	1.0818	1.0818
25	**6-3-2030**	**9-2-2030**	1.0739	1.0739
26	**9-3-2030**	**12-2-2030**	1.0794	1.0794
27	**12-3-2030**	**3-2-2031**	1.0722	1.0722
28	**3-3-2031**	**6-2-2031**	1.0777	1.0777
29	**6-3-2031**	**9-2-2031**	1.0699	1.0699
30	**9-3-2031**	**12-2-2031**	1.0753	1.0753

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

31	**12-3-2031**	**3-2-2032**	0.3433	0.3433
		Highest	1.2687	1.2687

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Energy	0.0193	0.1755	0.1474	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	1,662.0669	1,662.0669	0.2416	0.0324	1,677.7479
Mobile	15.6176	15.7300	142.4542	0.2794	36.1674	0.1807	36.3480	9.6637	0.1684	9.8322	0.0000	27,507.3889	27,507.3889	1.7863	1.3390	27,951.0622
Waste						0.0000	0.0000		0.0000	0.0000	326.1436	0.0000	326.1436	19.2745	0.0000	808.0068
Water						0.0000	0.0000		0.0000	0.0000	35.9589	79.2418	115.2007	3.7062	0.0888	234.3052
Total	**22.4122**	**15.9056**	**142.6157**	**0.2804**	**36.1674**	**0.1940**	**36.3614**	**9.6637**	**0.1818**	**9.8455**	**362.1025**	**29,248.7249**	**29,610.8274**	**25.0087**	**1.4601**	**30,671.1512**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Energy	0.0193	0.1755	0.1474	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	1,662.0669	1,662.0669	0.2416	0.0324	1,677.7479
Mobile	15.6176	15.7300	142.4542	0.2794	36.1674	0.1807	36.3480	9.6637	0.1684	9.8322	0.0000	27,507.3889	27,507.3889	1.7863	1.3390	27,951.0622
Waste						0.0000	0.0000		0.0000	0.0000	326.1436	0.0000	326.1436	19.2745	0.0000	808.0068
Water						0.0000	0.0000		0.0000	0.0000	35.9589	74.7425	110.7014	3.7054	0.0887	229.7614
Total	**22.4122**	**15.9056**	**142.6157**	**0.2804**	**36.1674**	**0.1940**	**36.3614**	**9.6637**	**0.1818**	**9.8455**	**362.1025**	**29,244.2257**	**29,606.3281**	**25.0079**	**1.4600**	**30,666.6075**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.02**	**0.00**	**0.01**	**0.01**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/3/2024	10/18/2024	5	100	
2	Site Preparation	Site Preparation	10/19/2024	1/10/2025	5	60	
3	Grading	Grading	1/11/2025	8/15/2025	5	155	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	1/17/2026	12/26/2031	5	1550	
5	Paving	Paving	8/16/2025	1/16/2026	5	110	
6	Architectural Coating	Architectural Coating	1/31/2026	1/9/2032	5	1550	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,295,264; Non-Residential Outdoor: 765,088; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	61.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	251.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6200e-003	0.0000	6.6200e-003	1.0000e-003	0.0000	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9802	169.9802	0.0476	0.0000	171.1692
Total	**0.1122**	**1.0439**	**0.9854**	**1.9400e-003**	**6.6200e-003**	**0.0480**	**0.0546**	**1.0000e-003**	**0.0446**	**0.0456**	**0.0000**	**169.9802**	**169.9802**	**0.0476**	**0.0000**	**171.1692**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	4.1400e-003	9.8000e-004	2.0000e-005	5.2000e-004	3.0000e-005	5.5000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.7919	1.7919	6.0000e-005	2.8000e-004	1.8780
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-003	1.1700e-003	0.0155	5.0000e-005	5.9300e-003	3.0000e-005	5.9600e-003	1.5800e-003	3.0000e-005	1.6000e-003	0.0000	4.5302	4.5302	1.2000e-004	1.2000e-004	4.5686
Total	**1.8600e-003**	**5.3100e-003**	**0.0165**	**7.0000e-005**	**6.4500e-003**	**6.0000e-005**	**6.5100e-003**	**1.7200e-003**	**6.0000e-005**	**1.7700e-003**	**0.0000**	**6.3221**	**6.3221**	**1.8000e-004**	**4.0000e-004**	**6.4466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6200e-003	0.0000	6.6200e-003	1.0000e-003	0.0000	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9800	169.9800	0.0476	0.0000	171.1690
Total	**0.1122**	**1.0439**	**0.9854**	**1.9400e-003**	**6.6200e-003**	**0.0480**	**0.0546**	**1.0000e-003**	**0.0446**	**0.0456**	**0.0000**	**169.9800**	**169.9800**	**0.0476**	**0.0000**	**171.1690**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	4.1400e-003	9.8000e-004	2.0000e-005	5.2000e-004	3.0000e-005	5.5000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.7919	1.7919	6.0000e-005	2.8000e-004	1.8780
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-003	1.1700e-003	0.0155	5.0000e-005	5.9300e-003	3.0000e-005	5.9600e-003	1.5800e-003	3.0000e-005	1.6000e-003	0.0000	4.5302	4.5302	1.2000e-004	1.2000e-004	4.5686
Total	**1.8600e-003**	**5.3100e-003**	**0.0165**	**7.0000e-005**	**6.4500e-003**	**6.0000e-005**	**6.5100e-003**	**1.7200e-003**	**6.0000e-005**	**1.7700e-003**	**0.0000**	**6.3221**	**6.3221**	**1.8000e-004**	**4.0000e-004**	**6.4466**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5175	0.0000	0.5175	0.2634	0.0000	0.2634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.7066	0.4767	9.9000e-004		0.0320	0.0320		0.0294	0.0294	0.0000	86.9884	86.9884	0.0281	0.0000	87.6917
Total	**0.0692**	**0.7066**	**0.4767**	**9.9000e-004**	**0.5175**	**0.0320**	**0.5494**	**0.2634**	**0.0294**	**0.2928**	**0.0000**	**86.9884**	**86.9884**	**0.0281**	**0.0000**	**87.6917**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.3000e-004	9.7000e-003	3.0000e-005	3.7000e-003	2.0000e-005	3.7200e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.8268	2.8268	8.0000e-005	7.0000e-005	2.8508
Total	**1.1200e-003**	**7.3000e-004**	**9.7000e-003**	**3.0000e-005**	**3.7000e-003**	**2.0000e-005**	**3.7200e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.8268**	**2.8268**	**8.0000e-005**	**7.0000e-005**	**2.8508**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5175	0.0000	0.5175	0.2634	0.0000	0.2634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.7066	0.4767	9.9000e-004		0.0320	0.0320		0.0294	0.0294	0.0000	86.9883	86.9883	0.0281	0.0000	87.6916
Total	**0.0692**	**0.7066**	**0.4767**	**9.9000e-004**	**0.5175**	**0.0320**	**0.5494**	**0.2634**	**0.0294**	**0.2928**	**0.0000**	**86.9883**	**86.9883**	**0.0281**	**0.0000**	**87.6916**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.3000e-004	9.7000e-003	3.0000e-005	3.7000e-003	2.0000e-005	3.7200e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.8268	2.8268	8.0000e-005	7.0000e-005	2.8508
Total	**1.1200e-003**	**7.3000e-004**	**9.7000e-003**	**3.0000e-005**	**3.7000e-003**	**2.0000e-005**	**3.7200e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.8268**	**2.8268**	**8.0000e-005**	**7.0000e-005**	**2.8508**

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1200	0.0000	0.1200	0.0449	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8900e-003	0.1009	0.0717	1.5000e-004		4.3500e-003	4.3500e-003		4.0000e-003	4.0000e-003	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950
Total	**9.8900e-003**	**0.1009**	**0.0717**	**1.5000e-004**	**0.1200**	**4.3500e-003**	**0.1243**	**0.0449**	**4.0000e-003**	**0.0489**	**0.0000**	**13.3868**	**13.3868**	**4.3300e-003**	**0.0000**	**13.4950**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.4000e-003	0.0000	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4245	0.4245	1.0000e-005	1.0000e-005	0.4280
Total	**1.6000e-004**	**1.0000e-004**	**1.4000e-003**	**0.0000**	**5.7000e-004**	**0.0000**	**5.7000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4245**	**0.4245**	**1.0000e-005**	**1.0000e-005**	**0.4280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1200	0.0000	0.1200	0.0449	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8900e-003	0.1009	0.0717	1.5000e-004		4.3500e-003	4.3500e-003		4.0000e-003	4.0000e-003	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950
Total	**9.8900e-003**	**0.1009**	**0.0717**	**1.5000e-004**	**0.1200**	**4.3500e-003**	**0.1243**	**0.0449**	**4.0000e-003**	**0.0489**	**0.0000**	**13.3868**	**13.3868**	**4.3300e-003**	**0.0000**	**13.4950**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.4000e-003	0.0000	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4245	0.4245	1.0000e-005	1.0000e-005	0.4280
Total	**1.6000e-004**	**1.0000e-004**	**1.4000e-003**	**0.0000**	**5.7000e-004**	**0.0000**	**5.7000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4245**	**0.4245**	**1.0000e-005**	**1.0000e-005**	**0.4280**

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7133	0.0000	0.7133	0.2832	0.0000	0.2832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2249	2.1656	2.0407	4.8100e-003		0.0876	0.0876		0.0806	0.0806	0.0000	422.4232	422.4232	0.1366	0.0000	425.8387
Total	**0.2249**	**2.1656**	**2.0407**	**4.8100e-003**	**0.7133**	**0.0876**	**0.8009**	**0.2832**	**0.0806**	**0.3638**	**0.0000**	**422.4232**	**422.4232**	**0.1366**	**0.0000**	**425.8387**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.1800e-003	0.0302	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	5.0000e-005	3.3100e-003	0.0000	9.1387	9.1387	2.3000e-004	2.3000e-004	9.2129
Total	**3.4900e-003**	**2.1800e-003**	**0.0302**	**1.0000e-004**	**0.0123**	**6.0000e-005**	**0.0123**	**3.2600e-003**	**5.0000e-005**	**3.3100e-003**	**0.0000**	**9.1387**	**9.1387**	**2.3000e-004**	**2.3000e-004**	**9.2129**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7133	0.0000	0.7133	0.2832	0.0000	0.2832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2249	2.1656	2.0407	4.8100e-003		0.0876	0.0876		0.0806	0.0806	0.0000	422.4226	422.4226	0.1366	0.0000	425.8381
Total	**0.2249**	**2.1656**	**2.0407**	**4.8100e-003**	**0.7133**	**0.0876**	**0.8009**	**0.2832**	**0.0806**	**0.3638**	**0.0000**	**422.4226**	**422.4226**	**0.1366**	**0.0000**	**425.8381**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.1800e-003	0.0302	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	5.0000e-005	3.3100e-003	0.0000	9.1387	9.1387	2.3000e-004	2.3000e-004	9.2129
Total	**3.4900e-003**	**2.1800e-003**	**0.0302**	**1.0000e-004**	**0.0123**	**6.0000e-005**	**0.0123**	**3.2600e-003**	**5.0000e-005**	**3.3100e-003**	**0.0000**	**9.1387**	**9.1387**	**2.3000e-004**	**2.3000e-004**	**9.2129**

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.5525	2.0025	3.3600e-003		0.0657	0.0657		0.0618	0.0618	0.0000	288.7397	288.7397	0.0679	0.0000	290.4366
Total	**0.1702**	**1.5525**	**2.0025**	**3.3600e-003**		**0.0657**	**0.0657**		**0.0618**	**0.0618**	**0.0000**	**288.7397**	**288.7397**	**0.0679**	**0.0000**	**290.4366**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0308	1.3767	0.4121	6.0100e-003	0.2051	8.1500e-003	0.2132	0.0593	7.7900e-003	0.0671	0.0000	585.5133	585.5133	0.0124	0.0865	611.6025
Worker	0.1300	0.0783	1.1223	3.6900e-003	0.4821	2.1600e-003	0.4842	0.1282	1.9900e-003	0.1302	0.0000	351.5075	351.5075	8.1800e-003	8.5600e-003	354.2623
Total	**0.1608**	**1.4550**	**1.5344**	**9.7000e-003**	**0.6871**	**0.0103**	**0.6974**	**0.1876**	**9.7800e-003**	**0.1973**	**0.0000**	**937.0208**	**937.0208**	**0.0206**	**0.0951**	**965.8648**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.5525	2.0025	3.3600e-003		0.0657	0.0657		0.0618	0.0618	0.0000	288.7394	288.7394	0.0679	0.0000	290.4362
Total	**0.1702**	**1.5525**	**2.0025**	**3.3600e-003**		**0.0657**	**0.0657**		**0.0618**	**0.0618**	**0.0000**	**288.7394**	**288.7394**	**0.0679**	**0.0000**	**290.4362**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0308	1.3767	0.4121	6.0100e-003	0.2051	8.1500e-003	0.2132	0.0593	7.7900e-003	0.0671	0.0000	585.5133	585.5133	0.0124	0.0865	611.6025
Worker	0.1300	0.0783	1.1223	3.6900e-003	0.4821	2.1600e-003	0.4842	0.1282	1.9900e-003	0.1302	0.0000	351.5075	351.5075	8.1800e-003	8.5600e-003	354.2623
Total	**0.1608**	**1.4550**	**1.5344**	**9.7000e-003**	**0.6871**	**0.0103**	**0.6974**	**0.1876**	**9.7800e-003**	**0.1973**	**0.0000**	**937.0208**	**937.0208**	**0.0206**	**0.0951**	**965.8648**

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0317	1.4329	0.4265	6.1700e-003	0.2149	8.4800e-003	0.2234	0.0622	8.1100e-003	0.0703	0.0000	601.3603	601.3603	0.0129	0.0888	628.1479
Worker	0.1291	0.0753	1.1191	3.7600e-003	0.5053	2.1300e-003	0.5074	0.1344	1.9600e-003	0.1364	0.0000	360.6782	360.6782	7.8800e-003	8.5400e-003	363.4187
Total	**0.1608**	**1.5082**	**1.5457**	**9.9300e-003**	**0.7202**	**0.0106**	**0.7308**	**0.1966**	**0.0101**	**0.2067**	**0.0000**	**962.0385**	**962.0385**	**0.0207**	**0.0974**	**991.5666**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0317	1.4329	0.4265	6.1700e-003	0.2149	8.4800e-003	0.2234	0.0622	8.1100e-003	0.0703	0.0000	601.3603	601.3603	0.0129	0.0888	628.1479
Worker	0.1291	0.0753	1.1191	3.7600e-003	0.5053	2.1300e-003	0.5074	0.1344	1.9600e-003	0.1364	0.0000	360.6782	360.6782	7.8800e-003	8.5400e-003	363.4187
Total	**0.1608**	**1.5082**	**1.5457**	**9.9300e-003**	**0.7202**	**0.0106**	**0.7308**	**0.1966**	**0.0101**	**0.2067**	**0.0000**	**962.0385**	**962.0385**	**0.0207**	**0.0974**	**991.5666**

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4953**	**301.4953**	**0.0709**	**0.0000**	**303.2671**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0311	1.4192	0.4209	6.0300e-003	0.2141	8.3800e-003	0.2225	0.0619	8.0100e-003	0.0700	0.0000	587.1563	587.1563	0.0127	0.0867	613.2987
Worker	0.1220	0.0694	1.0669	3.6400e-003	0.5033	1.9900e-003	0.5053	0.1339	1.8300e-003	0.1357	0.0000	352.4270	352.4270	7.2400e-003	8.1400e-003	355.0343
Total	**0.1530**	**1.4887**	**1.4878**	**9.6700e-003**	**0.7175**	**0.0104**	**0.7278**	**0.1959**	**9.8400e-003**	**0.2057**	**0.0000**	**939.5833**	**939.5833**	**0.0200**	**0.0948**	**968.3330**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4949**	**301.4949**	**0.0709**	**0.0000**	**303.2667**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0311	1.4192	0.4209	6.0300e-003	0.2141	8.3800e-003	0.2225	0.0619	8.0100e-003	0.0700	0.0000	587.1563	587.1563	0.0127	0.0867	613.2987
Worker	0.1220	0.0694	1.0669	3.6400e-003	0.5033	1.9900e-003	0.5053	0.1339	1.8300e-003	0.1357	0.0000	352.4270	352.4270	7.2400e-003	8.1400e-003	355.0343
Total	**0.1530**	**1.4887**	**1.4878**	**9.6700e-003**	**0.7175**	**0.0104**	**0.7278**	**0.1959**	**9.8400e-003**	**0.2057**	**0.0000**	**939.5833**	**939.5833**	**0.0200**	**0.0948**	**968.3330**

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0307	1.4086	0.4180	5.9100e-003	0.2150	8.3000e-003	0.2233	0.0622	7.9400e-003	0.0701	0.0000	575.7913	575.7913	0.0127	0.0849	601.4105
Worker	0.1160	0.0649	1.0290	3.5700e-003	0.5053	1.8700e-003	0.5072	0.1344	1.7200e-003	0.1361	0.0000	347.6204	347.6204	6.7400e-003	7.8700e-003	350.1331
Total	**0.1467**	**1.4736**	**1.4470**	**9.4800e-003**	**0.7202**	**0.0102**	**0.7304**	**0.1966**	**9.6600e-003**	**0.2063**	**0.0000**	**923.4117**	**923.4117**	**0.0194**	**0.0928**	**951.5436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0307	1.4086	0.4180	5.9100e-003	0.2150	8.3000e-003	0.2233	0.0622	7.9400e-003	0.0701	0.0000	575.7913	575.7913	0.0127	0.0849	601.4105
Worker	0.1160	0.0649	1.0290	3.5700e-003	0.5053	1.8700e-003	0.5072	0.1344	1.7200e-003	0.1361	0.0000	347.6204	347.6204	6.7400e-003	7.8700e-003	350.1331
Total	**0.1467**	**1.4736**	**1.4470**	**9.4800e-003**	**0.7202**	**0.0102**	**0.7304**	**0.1966**	**9.6600e-003**	**0.2063**	**0.0000**	**923.4117**	**923.4117**	**0.0194**	**0.0928**	**951.5436**

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0303	1.4019	0.4149	5.7900e-003	0.2150	8.2400e-003	0.2232	0.0622	7.8800e-003	0.0701	0.0000	564.6133	564.6133	0.0125	0.0832	589.7219
Worker	0.1100	0.0609	0.9936	3.4900e-003	0.5053	1.7500e-003	0.5070	0.1344	1.6100e-003	0.1360	0.0000	342.2266	342.2266	6.2700e-003	7.6100e-003	344.6513
Total	**0.1403**	**1.4628**	**1.4085**	**9.2800e-003**	**0.7202**	**9.9900e-003**	**0.7302**	**0.1966**	**9.4900e-003**	**0.2061**	**0.0000**	**906.8399**	**906.8399**	**0.0188**	**0.0908**	**934.3732**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0303	1.4019	0.4149	5.7900e-003	0.2150	8.2400e-003	0.2232	0.0622	7.8800e-003	0.0701	0.0000	564.6133	564.6133	0.0125	0.0832	589.7219
Worker	0.1100	0.0609	0.9936	3.4900e-003	0.5053	1.7500e-003	0.5070	0.1344	1.6100e-003	0.1360	0.0000	342.2266	342.2266	6.2700e-003	7.6100e-003	344.6513
Total	**0.1403**	**1.4628**	**1.4085**	**9.2800e-003**	**0.7202**	**9.9900e-003**	**0.7302**	**0.1966**	**9.4900e-003**	**0.2061**	**0.0000**	**906.8399**	**906.8399**	**0.0188**	**0.0908**	**934.3732**

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1689	1.0236	2.0843	3.9900e-003		0.0191	0.0191		0.0191	0.0191	0.0000	339.0907	339.0907	0.0136	0.0000	339.4308
Total	**0.1689**	**1.0236**	**2.0843**	**3.9900e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**339.0907**	**339.0907**	**0.0136**	**0.0000**	**339.4308**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	1.3818	0.4083	5.6300e-003	0.2125	8.1100e-003	0.2206	0.0615	7.7500e-003	0.0692	0.0000	548.4408	548.4408	0.0123	0.0808	572.8177
Worker	0.1028	0.0567	0.9511	3.3800e-003	0.4995	1.6300e-003	0.5011	0.1329	1.5000e-003	0.1344	0.0000	333.5559	333.5559	5.7800e-003	7.3100e-003	335.8776
Total	**0.1325**	**1.4385**	**1.3594**	**9.0100e-003**	**0.7120**	**9.7400e-003**	**0.7217**	**0.1944**	**9.2500e-003**	**0.2036**	**0.0000**	**881.9967**	**881.9967**	**0.0181**	**0.0881**	**908.6953**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1689	1.0236	2.0843	3.9900e-003		0.0191	0.0191		0.0191	0.0191	0.0000	339.0903	339.0903	0.0136	0.0000	339.4304
Total	**0.1689**	**1.0236**	**2.0843**	**3.9900e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**339.0903**	**339.0903**	**0.0136**	**0.0000**	**339.4304**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	1.3818	0.4083	5.6300e-003	0.2125	8.1100e-003	0.2206	0.0615	7.7500e-003	0.0692	0.0000	548.4408	548.4408	0.0123	0.0808	572.8177
Worker	0.1028	0.0567	0.9511	3.3800e-003	0.4995	1.6300e-003	0.5011	0.1329	1.5000e-003	0.1344	0.0000	333.5559	333.5559	5.7800e-003	7.3100e-003	335.8776
Total	**0.1325**	**1.4385**	**1.3594**	**9.0100e-003**	**0.7120**	**9.7400e-003**	**0.7217**	**0.1944**	**9.2500e-003**	**0.2036**	**0.0000**	**881.9967**	**881.9967**	**0.0181**	**0.0881**	**908.6953**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0448	0.4205	0.7143	1.1200e-003		0.0205	0.0205		0.0189	0.0189	0.0000	98.0944	98.0944	0.0317	0.0000	98.8875
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0448**	**0.4205**	**0.7143**	**1.1200e-003**		**0.0205**	**0.0205**		**0.0189**	**0.0189**	**0.0000**	**98.0944**	**98.0944**	**0.0317**	**0.0000**	**98.8875**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.0400e-003	0.0143	5.0000e-005	5.8100e-003	3.0000e-005	5.8400e-003	1.5500e-003	3.0000e-005	1.5700e-003	0.0000	4.3335	4.3335	1.1000e-004	1.1000e-004	4.3687
Total	**1.6600e-003**	**1.0400e-003**	**0.0143**	**5.0000e-005**	**5.8100e-003**	**3.0000e-005**	**5.8400e-003**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**0.0000**	**4.3335**	**4.3335**	**1.1000e-004**	**1.1000e-004**	**4.3687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0448	0.4205	0.7143	1.1200e-003		0.0205	0.0205		0.0189	0.0189	0.0000	98.0942	98.0942	0.0317	0.0000	98.8874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0448**	**0.4205**	**0.7143**	**1.1200e-003**		**0.0205**	**0.0205**		**0.0189**	**0.0189**	**0.0000**	**98.0942**	**98.0942**	**0.0317**	**0.0000**	**98.8874**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.0400e-003	0.0143	5.0000e-005	5.8100e-003	3.0000e-005	5.8400e-003	1.5500e-003	3.0000e-005	1.5700e-003	0.0000	4.3335	4.3335	1.1000e-004	1.1000e-004	4.3687
Total	**1.6600e-003**	**1.0400e-003**	**0.0143**	**5.0000e-005**	**5.8100e-003**	**3.0000e-005**	**5.8400e-003**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**0.0000**	**4.3335**	**4.3335**	**1.1000e-004**	**1.1000e-004**	**4.3687**

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4900e-003	0.0515	0.0875	1.4000e-004		2.5100e-003	2.5100e-003		2.3100e-003	2.3100e-003	0.0000	12.0116	12.0116	3.8800e-003	0.0000	12.1087
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4900e-003**	**0.0515**	**0.0875**	**1.4000e-004**		**2.5100e-003**	**2.5100e-003**		**2.3100e-003**	**2.3100e-003**	**0.0000**	**12.0116**	**12.0116**	**3.8800e-003**	**0.0000**	**12.1087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.2000e-004	1.6600e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5186	0.5186	1.0000e-005	1.0000e-005	0.5226
Total	**1.9000e-004**	**1.2000e-004**	**1.6600e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.1000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5186**	**0.5186**	**1.0000e-005**	**1.0000e-005**	**0.5226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4900e-003	0.0515	0.0875	1.4000e-004		2.5100e-003	2.5100e-003		2.3100e-003	2.3100e-003	0.0000	12.0115	12.0115	3.8800e-003	0.0000	12.1087
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4900e-003**	**0.0515**	**0.0875**	**1.4000e-004**		**2.5100e-003**	**2.5100e-003**		**2.3100e-003**	**2.3100e-003**	**0.0000**	**12.0115**	**12.0115**	**3.8800e-003**	**0.0000**	**12.1087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.2000e-004	1.6600e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5186	0.5186	1.0000e-005	1.0000e-005	0.5226
Total	**1.9000e-004**	**1.2000e-004**	**1.6600e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.1000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5186**	**0.5186**	**1.0000e-005**	**1.0000e-005**	**0.5226**

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1369	0.2162	3.6000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003	0.0000	30.5114	30.5114	1.6600e-003	0.0000	30.5530
Total	**1.2507**	**0.1369**	**0.2162**	**3.6000e-004**		**6.1500e-003**	**6.1500e-003**		**6.1500e-003**	**6.1500e-003**	**0.0000**	**30.5114**	**30.5114**	**1.6600e-003**	**0.0000**	**30.5530**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0250	0.0150	0.2155	7.1000e-004	0.0925	4.1000e-004	0.0930	0.0246	3.8000e-004	0.0250	0.0000	67.4781	67.4781	1.5700e-003	1.6400e-003	68.0070
Total	**0.0250**	**0.0150**	**0.2155**	**7.1000e-004**	**0.0925**	**4.1000e-004**	**0.0930**	**0.0246**	**3.8000e-004**	**0.0250**	**0.0000**	**67.4781**	**67.4781**	**1.5700e-003**	**1.6400e-003**	**68.0070**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1369	0.2162	3.6000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003	0.0000	30.5114	30.5114	1.6600e-003	0.0000	30.5530
Total	**1.2507**	**0.1369**	**0.2162**	**3.6000e-004**		**6.1500e-003**	**6.1500e-003**		**6.1500e-003**	**6.1500e-003**	**0.0000**	**30.5114**	**30.5114**	**1.6600e-003**	**0.0000**	**30.5530**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0250	0.0150	0.2155	7.1000e-004	0.0925	4.1000e-004	0.0930	0.0246	3.8000e-004	0.0250	0.0000	67.4781	67.4781	1.5700e-003	1.6400e-003	68.0070
Total	**0.0250**	**0.0150**	**0.2155**	**7.1000e-004**	**0.0925**	**4.1000e-004**	**0.0930**	**0.0246**	**3.8000e-004**	**0.0250**	**0.0000**	**67.4781**	**67.4781**	**1.5700e-003**	**1.6400e-003**	**68.0070**

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0258	0.0151	0.2238	7.5000e-004	0.1011	4.3000e-004	0.1015	0.0269	3.9000e-004	0.0273	0.0000	72.1356	72.1356	1.5800e-003	1.7100e-003	72.6837
Total	**0.0258**	**0.0151**	**0.2238**	**7.5000e-004**	**0.1011**	**4.3000e-004**	**0.1015**	**0.0269**	**3.9000e-004**	**0.0273**	**0.0000**	**72.1356**	**72.1356**	**1.5800e-003**	**1.7100e-003**	**72.6837**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0258	0.0151	0.2238	7.5000e-004	0.1011	4.3000e-004	0.1015	0.0269	3.9000e-004	0.0273	0.0000	72.1356	72.1356	1.5800e-003	1.7100e-003	72.6837
Total	**0.0258**	**0.0151**	**0.2238**	**7.5000e-004**	**0.1011**	**4.3000e-004**	**0.1015**	**0.0269**	**3.9000e-004**	**0.0273**	**0.0000**	**72.1356**	**72.1356**	**1.5800e-003**	**1.7100e-003**	**72.6837**

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376
Total	**1.3606**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2376**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0139	0.2134	7.3000e-004	0.1007	4.0000e-004	0.1011	0.0268	3.7000e-004	0.0272	0.0000	70.4854	70.4854	1.4500e-003	1.6300e-003	71.0069
Total	**0.0244**	**0.0139**	**0.2134**	**7.3000e-004**	**0.1007**	**4.0000e-004**	**0.1011**	**0.0268**	**3.7000e-004**	**0.0272**	**0.0000**	**70.4854**	**70.4854**	**1.4500e-003**	**1.6300e-003**	**71.0069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375
Total	**1.3606**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2375**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0139	0.2134	7.3000e-004	0.1007	4.0000e-004	0.1011	0.0268	3.7000e-004	0.0272	0.0000	70.4854	70.4854	1.4500e-003	1.6300e-003	71.0069
Total	**0.0244**	**0.0139**	**0.2134**	**7.3000e-004**	**0.1007**	**4.0000e-004**	**0.1011**	**0.0268**	**3.7000e-004**	**0.0272**	**0.0000**	**70.4854**	**70.4854**	**1.4500e-003**	**1.6300e-003**	**71.0069**

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0130	0.2058	7.1000e-004	0.1011	3.7000e-004	0.1014	0.0269	3.4000e-004	0.0272	0.0000	69.5241	69.5241	1.3500e-003	1.5700e-003	70.0266
Total	**0.0232**	**0.0130**	**0.2058**	**7.1000e-004**	**0.1011**	**3.7000e-004**	**0.1014**	**0.0269**	**3.4000e-004**	**0.0272**	**0.0000**	**69.5241**	**69.5241**	**1.3500e-003**	**1.5700e-003**	**70.0266**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0130	0.2058	7.1000e-004	0.1011	3.7000e-004	0.1014	0.0269	3.4000e-004	0.0272	0.0000	69.5241	69.5241	1.3500e-003	1.5700e-003	70.0266
Total	**0.0232**	**0.0130**	**0.2058**	**7.1000e-004**	**0.1011**	**3.7000e-004**	**0.1014**	**0.0269**	**3.4000e-004**	**0.0272**	**0.0000**	**69.5241**	**69.5241**	**1.3500e-003**	**1.5700e-003**	**70.0266**

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3537**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0220	0.0122	0.1987	7.0000e-004	0.1011	3.5000e-004	0.1014	0.0269	3.2000e-004	0.0272	0.0000	68.4453	68.4453	1.2500e-003	1.5200e-003	68.9303
Total	**0.0220**	**0.0122**	**0.1987**	**7.0000e-004**	**0.1011**	**3.5000e-004**	**0.1014**	**0.0269**	**3.2000e-004**	**0.0272**	**0.0000**	**68.4453**	**68.4453**	**1.2500e-003**	**1.5200e-003**	**68.9303**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3536**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0220	0.0122	0.1987	7.0000e-004	0.1011	3.5000e-004	0.1014	0.0269	3.2000e-004	0.0272	0.0000	68.4453	68.4453	1.2500e-003	1.5200e-003	68.9303
Total	**0.0220**	**0.0122**	**0.1987**	**7.0000e-004**	**0.1011**	**3.5000e-004**	**0.1014**	**0.0269**	**3.2000e-004**	**0.0272**	**0.0000**	**68.4453**	**68.4453**	**1.2500e-003**	**1.5200e-003**	**68.9303**

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3537**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0115	0.1924	6.8000e-004	0.1011	3.3000e-004	0.1014	0.0269	3.0000e-004	0.0272	0.0000	67.4869	67.4869	1.1700e-003	1.4800e-003	67.9566
Total	**0.0208**	**0.0115**	**0.1924**	**6.8000e-004**	**0.1011**	**3.3000e-004**	**0.1014**	**0.0269**	**3.0000e-004**	**0.0272**	**0.0000**	**67.4869**	**67.4869**	**1.1700e-003**	**1.4800e-003**	**67.9566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3536**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0115	0.1924	6.8000e-004	0.1011	3.3000e-004	0.1014	0.0269	3.0000e-004	0.0272	0.0000	67.4869	67.4869	1.1700e-003	1.4800e-003	67.9566
Total	**0.0208**	**0.0115**	**0.1924**	**6.8000e-004**	**0.1011**	**3.3000e-004**	**0.1014**	**0.0269**	**3.0000e-004**	**0.0272**	**0.0000**	**67.4869**	**67.4869**	**1.1700e-003**	**1.4800e-003**	**67.9566**

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	3.0000e-003	6.2900e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.8936	0.8936	4.0000e-005	0.0000	0.8945
Total	**0.0365**	**3.0000e-003**	**6.2900e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.8936**	**0.8936**	**4.0000e-005**	**0.0000**	**0.8945**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	2.9000e-004	5.0200e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7200e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7876	1.7876	3.0000e-005	4.0000e-005	1.7998
Total	**5.3000e-004**	**2.9000e-004**	**5.0200e-003**	**2.0000e-005**	**2.7100e-003**	**1.0000e-005**	**2.7200e-003**	**7.2000e-004**	**1.0000e-005**	**7.3000e-004**	**0.0000**	**1.7876**	**1.7876**	**3.0000e-005**	**4.0000e-005**	**1.7998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	3.0000e-003	6.2900e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.8936	0.8936	4.0000e-005	0.0000	0.8945
Total	**0.0365**	**3.0000e-003**	**6.2900e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.8936**	**0.8936**	**4.0000e-005**	**0.0000**	**0.8945**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	2.9000e-004	5.0200e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7200e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7876	1.7876	3.0000e-005	4.0000e-005	1.7998
Total	**5.3000e-004**	**2.9000e-004**	**5.0200e-003**	**2.0000e-005**	**2.7100e-003**	**1.0000e-005**	**2.7200e-003**	**7.2000e-004**	**1.0000e-005**	**7.3000e-004**	**0.0000**	**1.7876**	**1.7876**	**3.0000e-005**	**4.0000e-005**	**1.7998**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	15.6176	15.7300	142.4542	0.2794	36.1674	0.1807	36.3480	9.6637	0.1684	9.8322	0.0000	27,507.3889	27,507.3889	1.7863	1.3390	27,951.0622
Unmitigated	15.6176	15.7300	142.4542	0.2794	36.1674	0.1807	36.3480	9.6637	0.1684	9.8322	0.0000	27,507.3889	27,507.3889	1.7863	1.3390	27,951.0622

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	57,764.30	70,571.90	32286.80	98,104,963	98,104,963
Total	57,764.30	70,571.90	32,286.80	98,104,963	98,104,963

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.555325	0.059694	0.187075	0.120723	0.022002	0.005883	0.011325	0.007301	0.000937	0.000488	0.025751	0.000886	0.002611

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,470.9918	1,470.9918	0.2380	0.0289	1,485.5373
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,470.9918	1,470.9918	0.2380	0.0289	1,485.5373
NaturalGas Mitigated	0.0193	0.1755	0.1474	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	191.0751	191.0751	3.6600e-003	3.5000e-003	192.2106
NaturalGas Unmitigated	0.0193	0.1755	0.1474	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	191.0751	191.0751	3.6600e-003	3.5000e-003	192.2106

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	3.58061e+006	0.0193	0.1755	0.1474	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	191.0751	191.0751	3.6600e-003	3.5000e-003	192.2106
Total		**0.0193**	**0.1755**	**0.1474**	**1.0500e-003**		**0.0133**	**0.0133**		**0.0133**	**0.0133**	**0.0000**	**191.0751**	**191.0751**	**3.6600e-003**	**3.5000e-003**	**192.2106**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	3.58061e+006	0.0193	0.1755	0.1474	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	191.0751	191.0751	3.6600e-003	3.5000e-003	192.2106
Total		**0.0193**	**0.1755**	**0.1474**	**1.0500e-003**		**0.0133**	**0.0133**		**0.0133**	**0.0133**	**0.0000**	**191.0751**	**191.0751**	**3.6600e-003**	**3.5000e-003**	**192.2106**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	1.58985e+007	1,470.9918	0.2380	0.0289	1,485.5373
Total		**1,470.9918**	**0.2380**	**0.0289**	**1,485.5373**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	1.58985e+007	1,470.9918	0.2380	0.0289	1,485.5373
Total		**1,470.9918**	**0.2380**	**0.0289**	**1,485.5373**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Unmitigated	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.9761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Total	**6.7753**	**1.3000e-004**	**0.0140**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0273**	**0.0273**	**7.0000e-005**	**0.0000**	**0.0291**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.9761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Total	**6.7753**	**1.3000e-004**	**0.0140**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0273**	**0.0273**	**7.0000e-005**	**0.0000**	**0.0291**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	110.7014	3.7054	0.0887	229.7614
Unmitigated	115.2007	3.7062	0.0888	234.3052

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	113.344 / 69.4691	115.2007	3.7062	0.0888	234.3052
Total		**115.2007**	**3.7062**	**0.0888**	**234.3052**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	113.344 / 55.5753	110.7014	3.7054	0.0887	229.7614
Total		**110.7014**	**3.7054**	**0.0887**	**229.7614**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	326.1436	19.2745	0.0000	808.0068
Unmitigated	326.1436	19.2745	0.0000	808.0068

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	1606.69	326.1436	19.2745	0.0000	808.0068
Total		**326.1436**	**19.2745**	**0.0000**	**808.0068**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	1606.69	326.1436	19.2745	0.0000	808.0068
Total		**326.1436**	**19.2745**	**0.0000**	**808.0068**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

East Lone Tree Specific Plan Project

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	1,530.18	1000sqft	87.82	1,530,176.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2032
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage updated to represent total acreage of project site.

Demolition - Demolition material amount representative of existing buildings located on parcel 3. Square footage estimated using ArcGIS.

Construction Phase - Architectural coating assumed to start two weeks after the initiation of building construction, and last for the same duration.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,550.00
tblConstructionPhase	PhaseEndDate	5/28/2032	1/9/2032
tblConstructionPhase	PhaseEndDate	7/25/2031	12/26/2031
tblConstructionPhase	PhaseEndDate	12/26/2031	1/16/2026
tblConstructionPhase	PhaseStartDate	12/27/2031	1/31/2026

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	8/16/2025	1/17/2026
tblConstructionPhase	PhaseStartDate	7/26/2031	8/16/2025
tblLandUse	LandUseSquareFeet	1,530,180.00	1,530,176.00
tblLandUse	LotAcreage	35.13	87.82

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7064	27.2010	20.0610	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,893.5257	3,893.5257	1.1958	8.6800e-003	3,922.4183
2025	2.9487	27.9679	26.7487	0.0634	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,147.0191	6,147.0191	1.9462	3.0200e-003	6,196.5752
2026	13.4047	24.9523	32.7465	0.1161	6.5304	0.6652	7.1956	1.7707	0.6294	2.4001	0.0000	12,004.5217	12,004.5217	0.8071	0.8490	12,277.7088
2027	13.3291	24.8220	32.1283	0.1141	6.5304	0.6636	7.1940	1.7707	0.6279	2.3986	0.0000	11,815.7441	11,815.7441	0.7993	0.8292	12,082.8408
2028	13.2596	24.7159	31.6152	0.1121	6.5305	0.6618	7.1923	1.7707	0.6262	2.3970	0.0000	11,640.1299	11,640.1299	0.7928	0.8105	11,901.4795
2029	13.1919	24.5581	31.1610	0.1102	6.5305	0.6598	7.1903	1.7707	0.6244	2.3951	0.0000	11,458.3954	11,458.3954	0.7868	0.7901	11,713.5027
2030	13.0316	19.6513	30.8458	0.1125	6.5306	0.2476	6.7782	1.7707	0.2436	2.0143	0.0000	11,646.7599	11,646.7599	0.2925	0.7733	11,884.5196
2031	12.9708	19.5920	30.5188	0.1111	6.5306	0.2463	6.7769	1.7707	0.2424	2.0131	0.0000	11,512.2897	11,512.2897	0.2875	0.7586	11,745.5556
2032	10.5841	0.9305	3.3284	8.4600e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	882.2616	882.2616	0.0199	0.0113	886.1174
Maximum	**13.4047**	**27.9679**	**32.7465**	**0.1161**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**12,004.5217**	**12,004.5217**	**1.9462**	**0.8490**	**12,277.7088**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7064	27.2010	20.0610	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,893.5257	3,893.5257	1.1958	8.6800e-003	3,922.4183
2025	2.9487	27.9679	26.7487	0.0634	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,147.0191	6,147.0191	1.9462	3.0200e-003	6,196.5751
2026	13.4047	24.9523	32.7465	0.1161	6.5304	0.6652	7.1956	1.7707	0.6294	2.4001	0.0000	12,004.5217	12,004.5217	0.8071	0.8490	12,277.7088
2027	13.3291	24.8220	32.1283	0.1141	6.5304	0.6636	7.1940	1.7707	0.6279	2.3986	0.0000	11,815.7441	11,815.7441	0.7993	0.8292	12,082.8408
2028	13.2596	24.7159	31.6152	0.1121	6.5305	0.6618	7.1923	1.7707	0.6262	2.3970	0.0000	11,640.1299	11,640.1299	0.7928	0.8105	11,901.4795
2029	13.1919	24.5581	31.1610	0.1102	6.5305	0.6598	7.1903	1.7707	0.6244	2.3951	0.0000	11,458.3954	11,458.3954	0.7868	0.7901	11,713.5027
2030	13.0316	19.6513	30.8458	0.1125	6.5306	0.2476	6.7782	1.7707	0.2436	2.0143	0.0000	11,646.7599	11,646.7599	0.2925	0.7733	11,884.5196
2031	12.9708	19.5920	30.5188	0.1111	6.5306	0.2463	6.7769	1.7707	0.2424	2.0131	0.0000	11,512.2897	11,512.2897	0.2875	0.7586	11,745.5556
2032	10.5841	0.9305	3.3284	8.4600e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	882.2616	882.2616	0.0199	0.0113	886.1174
Maximum	**13.4047**	**27.9679**	**32.7465**	**0.1161**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**12,004.5217**	**12,004.5217**	**1.9462**	**0.8490**	**12,277.7088**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Mobile	123.5636	100.5261	961.7574	2.0375	260.4864	1.2531	261.7395	69.3866	1.1681	70.5547		221,247.3730	221,247.3730	12.7394	9.7107	224,459.6535
Total	**160.8014**	**101.4892**	**962.7207**	**2.0432**	**260.4864**	**1.3267**	**261.8131**	**69.3866**	**1.2418**	**70.6283**		**222,401.8132**	**222,401.8132**	**12.7624**	**9.7319**	**225,620.9736**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Mobile	123.5636	100.5261	961.7574	2.0375	260.4864	1.2531	261.7395	69.3866	1.1681	70.5547		221,247.3730	221,247.3730	12.7394	9.7107	224,459.6535
Total	**160.8014**	**101.4892**	**962.7207**	**2.0432**	**260.4864**	**1.3267**	**261.8131**	**69.3866**	**1.2418**	**70.6283**		**222,401.8132**	**222,401.8132**	**12.7624**	**9.7319**	**225,620.9736**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/3/2024	10/18/2024	5	100	
2	Site Preparation	Site Preparation	10/19/2024	1/10/2025	5	60	
3	Grading	Grading	1/11/2025	8/15/2025	5	155	
4	Building Construction	Building Construction	1/17/2026	12/26/2031	5	1550	
5	Paving	Paving	8/16/2025	1/16/2026	5	110	
6	Architectural Coating	Architectural Coating	1/31/2026	1/9/2032	5	1550	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,295,264; Non-Residential Outdoor: 765,088; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	61.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	251.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3000e-003	0.0798	0.0195	3.6000e-004	0.0107	6.7000e-004	0.0113	2.9200e-003	6.5000e-004	3.5700e-003		39.4888	39.4888	1.3200e-003	6.2600e-003	41.3868
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970
Total	**0.0392**	**0.1006**	**0.3537**	**1.3900e-003**	**0.1339**	**1.2500e-003**	**0.1351**	**0.0356**	**1.1900e-003**	**0.0368**		**146.1029**	**146.1029**	**3.8100e-003**	**8.6800e-003**	**148.7838**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3000e-003	0.0798	0.0195	3.6000e-004	0.0107	6.7000e-004	0.0113	2.9200e-003	6.5000e-004	3.5700e-003		39.4888	39.4888	1.3200e-003	6.2600e-003	41.3868
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970
Total	**0.0392**	**0.1006**	**0.3537**	**1.3900e-003**	**0.1339**	**1.2500e-003**	**0.1351**	**0.0356**	**1.1900e-003**	**0.0368**		**146.1029**	**146.1029**	**3.8100e-003**	**8.6800e-003**	**148.7838**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764
Total	**0.0455**	**0.0250**	**0.4010**	**1.2400e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**127.9370**	**127.9370**	**2.9900e-003**	**2.9000e-003**	**128.8764**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764
Total	**0.0455**	**0.0250**	**0.4010**	**1.2400e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**127.9370**	**127.9370**	**2.9900e-003**	**2.9000e-003**	**128.8764**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423
Total	**0.0427**	**0.0225**	**0.3759**	**1.2000e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**124.8639**	**124.8639**	**2.7100e-003**	**2.7200e-003**	**125.7423**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423
Total	**0.0427**	**0.0225**	**0.3759**	**1.2000e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**124.8639**	**124.8639**	**2.7100e-003**	**2.7200e-003**	**125.7423**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0475	0.0250	0.4176	1.3300e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		138.7377	138.7377	3.0100e-003	3.0200e-003	139.7137
Total	**0.0475**	**0.0250**	**0.4176**	**1.3300e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**138.7377**	**138.7377**	**3.0100e-003**	**3.0200e-003**	**139.7137**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0475	0.0250	0.4176	1.3300e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		138.7377	138.7377	3.0100e-003	3.0200e-003	139.7137
Total	**0.0475**	**0.0250**	**0.4176**	**1.3300e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**138.7377**	**138.7377**	**3.0100e-003**	**3.0200e-003**	**139.7137**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2532	10.6677	3.2575	0.0483	1.7001	0.0654	1.7655	0.4895	0.0625	0.5520		5,180.7853	5,180.7853	0.1099	0.7650	5,411.5123
Worker	1.0982	0.5578	9.6627	0.0316	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,321.5117	3,321.5117	0.0674	0.0700	3,344.0555
Total	**1.3515**	**11.2255**	**12.9202**	**0.0799**	**5.7253**	**0.0827**	**5.8080**	**1.5571**	**0.0785**	**1.6356**		**8,502.2970**	**8,502.2970**	**0.1773**	**0.8350**	**8,755.5678**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2532	10.6677	3.2575	0.0483	1.7001	0.0654	1.7655	0.4895	0.0625	0.5520		5,180.7853	5,180.7853	0.1099	0.7650	5,411.5123
Worker	1.0982	0.5578	9.6627	0.0316	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,321.5117	3,321.5117	0.0674	0.0700	3,344.0555
Total	**1.3515**	**11.2255**	**12.9202**	**0.0799**	**5.7253**	**0.0827**	**5.8080**	**1.5571**	**0.0785**	**1.6356**		**8,502.2970**	**8,502.2970**	**0.1773**	**0.8350**	**8,755.5678**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2483	10.5924	3.2161	0.0473	1.7002	0.0649	1.7650	0.4895	0.0620	0.5515		5,076.3053	5,076.3053	0.1089	0.7493	5,302.3188
Worker	1.0393	0.5120	9.1820	0.0307	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,251.2637	3,251.2637	0.0618	0.0666	3,272.6600
Total	**1.2876**	**11.1044**	**12.3981**	**0.0780**	**5.7254**	**0.0812**	**5.8066**	**1.5571**	**0.0771**	**1.6342**		**8,327.5689**	**8,327.5689**	**0.1707**	**0.8159**	**8,574.9788**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2483	10.5924	3.2161	0.0473	1.7002	0.0649	1.7650	0.4895	0.0620	0.5515		5,076.3053	5,076.3053	0.1089	0.7493	5,302.3188
Worker	1.0393	0.5120	9.1820	0.0307	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,251.2637	3,251.2637	0.0618	0.0666	3,272.6600
Total	**1.2876**	**11.1044**	**12.3981**	**0.0780**	**5.7254**	**0.0812**	**5.8066**	**1.5571**	**0.0771**	**1.6342**		**8,327.5689**	**8,327.5689**	**0.1707**	**0.8159**	**8,574.9788**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2444	10.5320	3.1858	0.0463	1.7002	0.0644	1.7646	0.4895	0.0616	0.5510		4,975.4213	4,975.4213	0.1082	0.7339	5,196.8403
Worker	0.9846	0.4739	8.7797	0.0299	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		3,188.9885	3,188.9885	0.0569	0.0638	3,209.4244
Total	**1.2291**	**11.0059**	**11.9655**	**0.0762**	**5.7254**	**0.0797**	**5.8051**	**1.5572**	**0.0757**	**1.6328**		**8,164.4098**	**8,164.4098**	**0.1652**	**0.7977**	**8,406.2647**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2444	10.5320	3.1858	0.0463	1.7002	0.0644	1.7646	0.4895	0.0616	0.5510		4,975.4213	4,975.4213	0.1082	0.7339	5,196.8403
Worker	0.9846	0.4739	8.7797	0.0299	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		3,188.9885	3,188.9885	0.0569	0.0638	3,209.4244
Total	**1.2291**	**11.0059**	**11.9655**	**0.0762**	**5.7254**	**0.0797**	**5.8051**	**1.5572**	**0.0757**	**1.6328**		**8,164.4098**	**8,164.4098**	**0.1652**	**0.7977**	**8,406.2647**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2404	10.4132	3.1510	0.0453	1.7002	0.0635	1.7638	0.4895	0.0608	0.5503		4,860.3819	4,860.3819	0.1073	0.7164	5,076.5383
Worker	0.9315	0.4415	8.4301	0.0292	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		3,133.4092	3,133.4092	0.0527	0.0614	3,153.0287
Total	**1.1720**	**10.8546**	**11.5812**	**0.0744**	**5.7255**	**0.0779**	**5.8033**	**1.5572**	**0.0740**	**1.6311**		**7,993.7911**	**7,993.7911**	**0.1600**	**0.7778**	**8,229.5670**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2404	10.4132	3.1510	0.0453	1.7002	0.0635	1.7638	0.4895	0.0608	0.5503		4,860.3819	4,860.3819	0.1073	0.7164	5,076.5383
Worker	0.9315	0.4415	8.4301	0.0292	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		3,133.4092	3,133.4092	0.0527	0.0614	3,153.0287
Total	**1.1720**	**10.8546**	**11.5812**	**0.0744**	**5.7255**	**0.0779**	**5.8033**	**1.5572**	**0.0740**	**1.6311**		**7,993.7911**	**7,993.7911**	**0.1600**	**0.7778**	**8,229.5670**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2375	10.3633	3.1281	0.0444	1.7003	0.0631	1.7633	0.4895	0.0603	0.5498		4,765.9898	4,765.9898	0.1061	0.7020	4,977.8381
Worker	0.8824	0.4143	8.1358	0.0285	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		3,084.8128	3,084.8128	0.0490	0.0594	3,103.7465
Total	**1.1199**	**10.7775**	**11.2639**	**0.0729**	**5.7255**	**0.0765**	**5.8020**	**1.5572**	**0.0727**	**1.6299**		**7,850.8026**	**7,850.8026**	**0.1551**	**0.7614**	**8,081.5846**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2375	10.3633	3.1281	0.0444	1.7003	0.0631	1.7633	0.4895	0.0603	0.5498		4,765.9898	4,765.9898	0.1061	0.7020	4,977.8381
Worker	0.8824	0.4143	8.1358	0.0285	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		3,084.8128	3,084.8128	0.0490	0.0594	3,103.7465
Total	**1.1199**	**10.7775**	**11.2639**	**0.0729**	**5.7255**	**0.0765**	**5.8020**	**1.5572**	**0.0727**	**1.6299**		**7,850.8026**	**7,850.8026**	**0.1551**	**0.7614**	**8,081.5846**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2354	10.3327	3.1139	0.0436	1.7003	0.0628	1.7631	0.4895	0.0600	0.5496		4,683.2719	4,683.2719	0.1052	0.6894	4,891.3371
Worker	0.8334	0.3903	7.8752	0.0280	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		3,041.6858	3,041.6858	0.0456	0.0577	3,060.0273
Total	**1.0688**	**10.7230**	**10.9890**	**0.0716**	**5.7256**	**0.0754**	**5.8009**	**1.5572**	**0.0716**	**1.6288**		**7,724.9577**	**7,724.9577**	**0.1508**	**0.7471**	**7,951.3645**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2354	10.3327	3.1139	0.0436	1.7003	0.0628	1.7631	0.4895	0.0600	0.5496		4,683.2719	4,683.2719	0.1052	0.6894	4,891.3371
Worker	0.8334	0.3903	7.8752	0.0280	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		3,041.6858	3,041.6858	0.0456	0.0577	3,060.0273
Total	**1.0688**	**10.7230**	**10.9890**	**0.0716**	**5.7256**	**0.0754**	**5.8009**	**1.5572**	**0.0716**	**1.6288**		**7,724.9577**	**7,724.9577**	**0.1508**	**0.7471**	**7,951.3645**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0356	0.0188	0.3132	1.0000e-003	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		104.0533	104.0533	2.2600e-003	2.2700e-003	104.7853
Total	**0.0356**	**0.0188**	**0.3132**	**1.0000e-003**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**104.0533**	**104.0533**	**2.2600e-003**	**2.2700e-003**	**104.7853**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0356	0.0188	0.3132	1.0000e-003	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		104.0533	104.0533	2.2600e-003	2.2700e-003	104.7853
Total	**0.0356**	**0.0188**	**0.3132**	**1.0000e-003**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**104.0533**	**104.0533**	**2.2600e-003**	**2.2700e-003**	**104.7853**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0336	0.0171	0.2958	9.7000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		101.6789	101.6789	2.0600e-003	2.1400e-003	102.3691
Total	**0.0336**	**0.0171**	**0.2958**	**9.7000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**101.6789**	**101.6789**	**2.0600e-003**	**2.1400e-003**	**102.3691**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0336	0.0171	0.2958	9.7000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		101.6789	101.6789	2.0600e-003	2.1400e-003	102.3691
Total	**0.0336**	**0.0171**	**0.2958**	**9.7000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**101.6789**	**101.6789**	**2.0600e-003**	**2.1400e-003**	**102.3691**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2197	0.1116	1.9325	6.3200e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		664.3023	664.3023	0.0135	0.0140	668.8111
Total	**0.2197**	**0.1116**	**1.9325**	**6.3200e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**664.3023**	**664.3023**	**0.0135**	**0.0140**	**668.8111**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2197	0.1116	1.9325	6.3200e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		664.3023	664.3023	0.0135	0.0140	668.8111
Total	**0.2197**	**0.1116**	**1.9325**	**6.3200e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**664.3023**	**664.3023**	**0.0135**	**0.0140**	**668.8111**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2079	0.1024	1.8364	6.1400e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		650.2527	650.2527	0.0124	0.0133	654.5320
Total	**0.2079**	**0.1024**	**1.8364**	**6.1400e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**650.2527**	**650.2527**	**0.0124**	**0.0133**	**654.5320**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2079	0.1024	1.8364	6.1400e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		650.2527	650.2527	0.0124	0.0133	654.5320
Total	**0.2079**	**0.1024**	**1.8364**	**6.1400e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**650.2527**	**650.2527**	**0.0124**	**0.0133**	**654.5320**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1969	0.0948	1.7559	5.9800e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		637.7977	637.7977	0.0114	0.0128	641.8849
Total	**0.1969**	**0.0948**	**1.7559**	**5.9800e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**637.7977**	**637.7977**	**0.0114**	**0.0128**	**641.8849**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1969	0.0948	1.7559	5.9800e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		637.7977	637.7977	0.0114	0.0128	641.8849
Total	**0.1969**	**0.0948**	**1.7559**	**5.9800e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**637.7977**	**637.7977**	**0.0114**	**0.0128**	**641.8849**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1863	0.0883	1.6860	5.8400e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		626.6819	626.6819	0.0105	0.0123	630.6057
Total	**0.1863**	**0.0883**	**1.6860**	**5.8400e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**626.6819**	**626.6819**	**0.0105**	**0.0123**	**630.6057**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1863	0.0883	1.6860	5.8400e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		626.6819	626.6819	0.0105	0.0123	630.6057
Total	**0.1863**	**0.0883**	**1.6860**	**5.8400e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**626.6819**	**626.6819**	**0.0105**	**0.0123**	**630.6057**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1765	0.0829	1.6272	5.7100e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		616.9626	616.9626	9.7900e-003	0.0119	620.7493
Total	**0.1765**	**0.0829**	**1.6272**	**5.7100e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**616.9626**	**616.9626**	**9.7900e-003**	**0.0119**	**620.7493**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1765	0.0829	1.6272	5.7100e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		616.9626	616.9626	9.7900e-003	0.0119	620.7493
Total	**0.1765**	**0.0829**	**1.6272**	**5.7100e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**616.9626**	**616.9626**	**9.7900e-003**	**0.0119**	**620.7493**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0781	1.5750	5.5900e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		608.3372	608.3372	9.1200e-003	0.0115	612.0055
Total	**0.1667**	**0.0781**	**1.5750**	**5.5900e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**608.3372**	**608.3372**	**9.1200e-003**	**0.0115**	**612.0055**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0781	1.5750	5.5900e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		608.3372	608.3372	9.1200e-003	0.0115	612.0055
Total	**0.1667**	**0.0781**	**1.5750**	**5.5900e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**608.3372**	**608.3372**	**9.1200e-003**	**0.0115**	**612.0055**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1580	0.0742	1.5307	5.4900e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		600.8135	600.8135	8.5400e-003	0.0113	604.3846
Total	**0.1580**	**0.0742**	**1.5307**	**5.4900e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**600.8135**	**600.8135**	**8.5400e-003**	**0.0113**	**604.3846**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1580	0.0742	1.5307	5.4900e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		600.8135	600.8135	8.5400e-003	0.0113	604.3846
Total	**0.1580**	**0.0742**	**1.5307**	**5.4900e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**600.8135**	**600.8135**	**8.5400e-003**	**0.0113**	**604.3846**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	123.5636	100.5261	961.7574	2.0375	260.4864	1.2531	261.7395	69.3866	1.1681	70.5547		221,247.3730	221,247.3730	12.7394	9.7107	224,459.6535
Unmitigated	123.5636	100.5261	961.7574	2.0375	260.4864	1.2531	261.7395	69.3866	1.1681	70.5547		221,247.3730	221,247.3730	12.7394	9.7107	224,459.6535

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	57,764.30	70,571.90	32286.80	98,104,963	98,104,963
Total	57,764.30	70,571.90	32,286.80	98,104,963	98,104,963

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.555325	0.059694	0.187075	0.120723	0.022002	0.005883	0.011325	0.007301	0.000937	0.000488	0.025751	0.000886	0.002611

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
NaturalGas Unmitigated	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	9809.9	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Total		**0.1058**	**0.9618**	**0.8079**	**5.7700e-003**		**0.0731**	**0.0731**		**0.0731**	**0.0731**		**1,154.1054**	**1,154.1054**	**0.0221**	**0.0212**	**1,160.9636**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	9.8099	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Total		**0.1058**	**0.9618**	**0.8079**	**5.7700e-003**		**0.0731**	**0.0731**		**0.0731**	**0.0731**		**1,154.1054**	**1,154.1054**	**0.0221**	**0.0212**	**1,160.9636**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Unmitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

East Lone Tree Specific Plan Project

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	1,530.18	1000sqft	87.82	1,530,176.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2032
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage updated to represent total acreage of project site.

Demolition - Demolition material amount representative of existing buildings located on parcel 3. Square footage estimated using ArcGIS.

Construction Phase - Architectural coating assumed to start two weeks after the initiation of building construction, and last for the same duration.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,550.00
tblConstructionPhase	PhaseEndDate	5/28/2032	1/9/2032
tblConstructionPhase	PhaseEndDate	7/25/2031	12/26/2031
tblConstructionPhase	PhaseEndDate	12/26/2031	1/16/2026
tblConstructionPhase	PhaseStartDate	12/27/2031	1/31/2026

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	8/16/2025	1/17/2026
tblConstructionPhase	PhaseStartDate	7/26/2031	8/16/2025
tblLandUse	LandUseSquareFeet	1,530,180.00	1,530,176.00
tblLandUse	LotAcreage	35.13	87.82

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7077	27.2068	20.0483	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,886.0223	3,886.0223	1.1962	9.0400e-003	3,915.0340
2025	2.9503	27.9737	26.7336	0.0633	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,137.2239	6,137.2239	1.9467	3.4800e-003	6,186.9259
2026	13.4434	25.7292	32.4651	0.1135	6.5304	0.6655	7.1958	1.7707	0.6296	2.4003	0.0000	11,731.3507	11,731.3507	0.8182	0.8635	12,009.1218
2027	13.3691	25.5822	31.8837	0.1115	6.5304	0.6638	7.1942	1.7707	0.6281	2.3988	0.0000	11,548.7259	11,548.7259	0.8097	0.8430	11,820.1848
2028	13.3002	25.4625	31.3992	0.1097	6.5305	0.6620	7.1925	1.7707	0.6264	2.3972	0.0000	11,378.4538	11,378.4538	0.8025	0.8237	11,643.9796
2029	13.2329	25.2894	30.9666	0.1078	6.5305	0.6600	7.1905	1.7707	0.6245	2.3953	0.0000	11,201.3559	11,201.3559	0.7959	0.8028	11,460.4795
2030	13.0728	20.3726	30.6691	0.1102	6.5306	0.2478	6.7784	1.7707	0.2438	2.0145	0.0000	11,393.7142	11,393.7142	0.3010	0.7856	11,635.3562
2031	13.0120	20.3055	30.3567	0.1088	6.5306	0.2465	6.7771	1.7707	0.2426	2.0133	0.0000	11,262.7327	11,262.7327	0.2955	0.7706	11,499.7659
2032	10.5929	0.9476	3.2848	8.0700e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	839.9116	839.9116	0.0213	0.0129	844.2984
Maximum	**13.4434**	**27.9737**	**32.4651**	**0.1135**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**11,731.3507**	**11,731.3507**	**1.9467**	**0.8635**	**12,009.1218**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7077	27.2068	20.0483	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,886.0223	3,886.0223	1.1962	9.0400e-003	3,915.0340
2025	2.9503	27.9737	26.7336	0.0633	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,137.2239	6,137.2239	1.9467	3.4800e-003	6,186.9259
2026	13.4434	25.7292	32.4651	0.1135	6.5304	0.6655	7.1958	1.7707	0.6296	2.4003	0.0000	11,731.3507	11,731.3507	0.8182	0.8635	12,009.1218
2027	13.3691	25.5822	31.8837	0.1115	6.5304	0.6638	7.1942	1.7707	0.6281	2.3988	0.0000	11,548.7259	11,548.7259	0.8097	0.8430	11,820.1848
2028	13.3002	25.4625	31.3992	0.1097	6.5305	0.6620	7.1925	1.7707	0.6264	2.3972	0.0000	11,378.4538	11,378.4538	0.8025	0.8237	11,643.9796
2029	13.2329	25.2894	30.9666	0.1078	6.5305	0.6600	7.1905	1.7707	0.6245	2.3953	0.0000	11,201.3559	11,201.3559	0.7959	0.8028	11,460.4795
2030	13.0728	20.3726	30.6691	0.1102	6.5306	0.2478	6.7784	1.7707	0.2438	2.0145	0.0000	11,393.7142	11,393.7142	0.3010	0.7856	11,635.3562
2031	13.0120	20.3055	30.3567	0.1088	6.5306	0.2465	6.7771	1.7707	0.2426	2.0133	0.0000	11,262.7327	11,262.7327	0.2955	0.7706	11,499.7659
2032	10.5929	0.9476	3.2848	8.0700e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	839.9116	839.9116	0.0213	0.0129	844.2984
Maximum	**13.4434**	**27.9737**	**32.4651**	**0.1135**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**11,731.3507**	**11,731.3507**	**1.9467**	**0.8635**	**12,009.1218**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Mobile	107.2020	115.0789	1,062.0832	1.9271	260.4864	1.2538	261.7403	69.3866	1.1689	70.5555		209,184.3399	209,184.3399	14.4453	10.6275	212,712.4778
Total	**144.4398**	**116.0421**	**1,063.0465**	**1.9329**	**260.4864**	**1.3275**	**261.8139**	**69.3866**	**1.2425**	**70.6291**		**210,338.7802**	**210,338.7802**	**14.4683**	**10.6487**	**213,873.7979**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Mobile	107.2020	115.0789	1,062.0832	1.9271	260.4864	1.2538	261.7403	69.3866	1.1689	70.5555		209,184.3399	209,184.3399	14.4453	10.6275	212,712.4778
Total	**144.4398**	**116.0421**	**1,063.0465**	**1.9329**	**260.4864**	**1.3275**	**261.8139**	**69.3866**	**1.2425**	**70.6291**		**210,338.7802**	**210,338.7802**	**14.4683**	**10.6487**	**213,873.7979**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/3/2024	10/18/2024	5	100	
2	Site Preparation	Site Preparation	10/19/2024	1/10/2025	5	60	
3	Grading	Grading	1/11/2025	8/15/2025	5	155	
4	Building Construction	Building Construction	1/17/2026	12/26/2031	5	1550	
5	Paving	Paving	8/16/2025	1/16/2026	5	110	
6	Architectural Coating	Architectural Coating	1/31/2026	1/9/2032	5	1550	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,295,264; Non-Residential Outdoor: 765,088; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	61.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	251.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2200e-003	0.0844	0.0197	3.6000e-004	0.0107	6.8000e-004	0.0114	2.9200e-003	6.5000e-004	3.5700e-003		39.5265	39.5265	1.3200e-003	6.2600e-003	41.4263
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731
Total	**0.0403**	**0.1100**	**0.3409**	**1.3200e-003**	**0.1339**	**1.2600e-003**	**0.1352**	**0.0356**	**1.1900e-003**	**0.0368**		**138.5996**	**138.5996**	**4.1600e-003**	**9.0400e-003**	**141.3994**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2200e-003	0.0844	0.0197	3.6000e-004	0.0107	6.8000e-004	0.0114	2.9200e-003	6.5000e-004	3.5700e-003		39.5265	39.5265	1.3200e-003	6.2600e-003	41.4263
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731
Total	**0.0403**	**0.1100**	**0.3409**	**1.3200e-003**	**0.1339**	**1.2600e-003**	**0.1352**	**0.0356**	**1.1900e-003**	**0.0368**		**138.5996**	**138.5996**	**4.1600e-003**	**9.0400e-003**	**141.3994**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678
Total	**0.0468**	**0.0308**	**0.3855**	**1.1500e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**118.8877**	**118.8877**	**3.4100e-003**	**3.3400e-003**	**119.9678**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678
Total	**0.0468**	**0.0308**	**0.3855**	**1.1500e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**118.8877**	**118.8877**	**3.4100e-003**	**3.3400e-003**	**119.9678**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580
Total	**0.0441**	**0.0278**	**0.3623**	**1.1100e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**116.0482**	**116.0482**	**3.1000e-003**	**3.1300e-003**	**117.0580**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580
Total	**0.0441**	**0.0278**	**0.3623**	**1.1100e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**116.0482**	**116.0482**	**3.1000e-003**	**3.1300e-003**	**117.0580**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0490	0.0308	0.4025	1.2400e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		128.9424	128.9424	3.4500e-003	3.4800e-003	130.0645
Total	**0.0490**	**0.0308**	**0.4025**	**1.2400e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**128.9424**	**128.9424**	**3.4500e-003**	**3.4800e-003**	**130.0645**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0490	0.0308	0.4025	1.2400e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		128.9424	128.9424	3.4500e-003	3.4800e-003	130.0645
Total	**0.0490**	**0.0308**	**0.4025**	**1.2400e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**128.9424**	**128.9424**	**3.4500e-003**	**3.4800e-003**	**130.0645**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2431	11.2887	3.3721	0.0483	1.7001	0.0656	1.7657	0.4895	0.0627	0.5522		5,188.6490	5,188.6490	0.1092	0.7669	5,419.9168
Worker	1.1389	0.6878	9.3326	0.0294	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,087.3161	3,087.3161	0.0772	0.0805	3,113.2293
Total	**1.3820**	**11.9764**	**12.7048**	**0.0777**	**5.7253**	**0.0829**	**5.8083**	**1.5571**	**0.0787**	**1.6358**		**8,275.9651**	**8,275.9651**	**0.1865**	**0.8474**	**8,533.1460**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2431	11.2887	3.3721	0.0483	1.7001	0.0656	1.7657	0.4895	0.0627	0.5522		5,188.6490	5,188.6490	0.1092	0.7669	5,419.9168
Worker	1.1389	0.6878	9.3326	0.0294	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,087.3161	3,087.3161	0.0772	0.0805	3,113.2293
Total	**1.3820**	**11.9764**	**12.7048**	**0.0777**	**5.7253**	**0.0829**	**5.8083**	**1.5571**	**0.0787**	**1.6358**		**8,275.9651**	**8,275.9651**	**0.1865**	**0.8474**	**8,533.1460**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2379	11.2095	3.3297	0.0473	1.7002	0.0651	1.7652	0.4895	0.0623	0.5517		5,084.1396	5,084.1396	0.1082	0.7511	5,310.6809
Worker	1.0813	0.6312	8.8835	0.0286	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,022.2199	3,022.2199	0.0710	0.0766	3,046.8116
Total	**1.3192**	**11.8407**	**12.2132**	**0.0759**	**5.7254**	**0.0814**	**5.8068**	**1.5571**	**0.0773**	**1.6344**		**8,106.3595**	**8,106.3595**	**0.1792**	**0.8277**	**8,357.4925**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2379	11.2095	3.3297	0.0473	1.7002	0.0651	1.7652	0.4895	0.0623	0.5517		5,084.1396	5,084.1396	0.1082	0.7511	5,310.6809
Worker	1.0813	0.6312	8.8835	0.0286	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,022.2199	3,022.2199	0.0710	0.0766	3,046.8116
Total	**1.3192**	**11.8407**	**12.2132**	**0.0759**	**5.7254**	**0.0814**	**5.8068**	**1.5571**	**0.0773**	**1.6344**		**8,106.3595**	**8,106.3595**	**0.1792**	**0.8277**	**8,357.4925**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2338	11.1463	3.2987	0.0464	1.7002	0.0646	1.7648	0.4895	0.0618	0.5512		4,983.2097	4,983.2097	0.1075	0.7357	5,205.1457
Worker	1.0273	0.5841	8.5057	0.0278	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		2,964.4347	2,964.4347	0.0656	0.0733	2,987.9200
Total	**1.2611**	**11.7305**	**11.8043**	**0.0742**	**5.7254**	**0.0799**	**5.8053**	**1.5572**	**0.0759**	**1.6330**		**7,947.6444**	**7,947.6444**	**0.1731**	**0.8090**	**8,193.0657**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2338	11.1463	3.2987	0.0464	1.7002	0.0646	1.7648	0.4895	0.0618	0.5512		4,983.2097	4,983.2097	0.1075	0.7357	5,205.1457
Worker	1.0273	0.5841	8.5057	0.0278	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		2,964.4347	2,964.4347	0.0656	0.0733	2,987.9200
Total	**1.2611**	**11.7305**	**11.8043**	**0.0742**	**5.7254**	**0.0799**	**5.8053**	**1.5572**	**0.0759**	**1.6330**		**7,947.6444**	**7,947.6444**	**0.1731**	**0.8090**	**8,193.0657**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2297	11.0215	3.2630	0.0453	1.7002	0.0637	1.7640	0.4895	0.0609	0.5504		4,868.0880	4,868.0880	0.1066	0.7181	5,084.7509
Worker	0.9746	0.5439	8.1748	0.0271	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		2,912.7879	2,912.7879	0.0608	0.0706	2,935.3322
Total	**1.2043**	**11.5654**	**11.4378**	**0.0724**	**5.7255**	**0.0781**	**5.8035**	**1.5572**	**0.0741**	**1.6313**		**7,780.8759**	**7,780.8759**	**0.1674**	**0.7887**	**8,020.0831**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2297	11.0215	3.2630	0.0453	1.7002	0.0637	1.7640	0.4895	0.0609	0.5504		4,868.0880	4,868.0880	0.1066	0.7181	5,084.7509
Worker	0.9746	0.5439	8.1748	0.0271	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		2,912.7879	2,912.7879	0.0608	0.0706	2,935.3322
Total	**1.2043**	**11.5654**	**11.4378**	**0.0724**	**5.7255**	**0.0781**	**5.8035**	**1.5572**	**0.0741**	**1.6313**		**7,780.8759**	**7,780.8759**	**0.1674**	**0.7887**	**8,020.0831**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2266	10.9694	3.2393	0.0444	1.7003	0.0632	1.7635	0.4895	0.0605	0.5500		4,773.6316	4,773.6316	0.1054	0.7037	4,985.9783
Worker	0.9259	0.5103	7.8959	0.0265	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		2,867.5732	2,867.5732	0.0566	0.0683	2,889.3269
Total	**1.1524**	**11.4797**	**11.1352**	**0.0710**	**5.7255**	**0.0767**	**5.8022**	**1.5572**	**0.0729**	**1.6301**		**7,641.2048**	**7,641.2048**	**0.1620**	**0.7720**	**7,875.3052**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2266	10.9694	3.2393	0.0444	1.7003	0.0632	1.7635	0.4895	0.0605	0.5500		4,773.6316	4,773.6316	0.1054	0.7037	4,985.9783
Worker	0.9259	0.5103	7.8959	0.0265	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		2,867.5732	2,867.5732	0.0566	0.0683	2,889.3269
Total	**1.1524**	**11.4797**	**11.1352**	**0.0710**	**5.7255**	**0.0767**	**5.8022**	**1.5572**	**0.0729**	**1.6301**		**7,641.2048**	**7,641.2048**	**0.1620**	**0.7720**	**7,875.3052**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2244	10.9379	3.2246	0.0437	1.7003	0.0629	1.7633	0.4895	0.0602	0.5497		4,690.8629	4,690.8629	0.1045	0.6911	4,899.4204
Worker	0.8770	0.4806	7.6478	0.0260	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		2,827.3958	2,827.3958	0.0528	0.0663	2,848.4665
Total	**1.1013**	**11.4185**	**10.8724**	**0.0697**	**5.7256**	**0.0755**	**5.8011**	**1.5572**	**0.0718**	**1.6290**		**7,518.2587**	**7,518.2587**	**0.1573**	**0.7574**	**7,747.8869**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2244	10.9379	3.2246	0.0437	1.7003	0.0629	1.7633	0.4895	0.0602	0.5497		4,690.8629	4,690.8629	0.1045	0.6911	4,899.4204
Worker	0.8770	0.4806	7.6478	0.0260	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		2,827.3958	2,827.3958	0.0528	0.0663	2,848.4665
Total	**1.1013**	**11.4185**	**10.8724**	**0.0697**	**5.7256**	**0.0755**	**5.8011**	**1.5572**	**0.0718**	**1.6290**		**7,518.2587**	**7,518.2587**	**0.1573**	**0.7574**	**7,747.8869**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0231	0.3019	9.3000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		96.7068	96.7068	2.5900e-003	2.6100e-003	97.5484
Total	**0.0368**	**0.0231**	**0.3019**	**9.3000e-004**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**96.7068**	**96.7068**	**2.5900e-003**	**2.6100e-003**	**97.5484**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0231	0.3019	9.3000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		96.7068	96.7068	2.5900e-003	2.6100e-003	97.5484
Total	**0.0368**	**0.0231**	**0.3019**	**9.3000e-004**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**96.7068**	**96.7068**	**2.5900e-003**	**2.6100e-003**	**97.5484**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0349	0.0211	0.2857	9.0000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		94.5097	94.5097	2.3600e-003	2.4600e-003	95.3029
Total	**0.0349**	**0.0211**	**0.2857**	**9.0000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**94.5097**	**94.5097**	**2.3600e-003**	**2.4600e-003**	**95.3029**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0349	0.0211	0.2857	9.0000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		94.5097	94.5097	2.3600e-003	2.4600e-003	95.3029
Total	**0.0349**	**0.0211**	**0.2857**	**9.0000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**94.5097**	**94.5097**	**2.3600e-003**	**2.4600e-003**	**95.3029**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2278	0.1376	1.8665	5.8800e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		617.4632	617.4632	0.0155	0.0161	622.6459
Total	**0.2278**	**0.1376**	**1.8665**	**5.8800e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**617.4632**	**617.4632**	**0.0155**	**0.0161**	**622.6459**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2278	0.1376	1.8665	5.8800e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		617.4632	617.4632	0.0155	0.0161	622.6459
Total	**0.2278**	**0.1376**	**1.8665**	**5.8800e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**617.4632**	**617.4632**	**0.0155**	**0.0161**	**622.6459**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2163	0.1262	1.7767	5.7100e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		604.4440	604.4440	0.0142	0.0153	609.3623
Total	**0.2163**	**0.1262**	**1.7767**	**5.7100e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**604.4440**	**604.4440**	**0.0142**	**0.0153**	**609.3623**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2163	0.1262	1.7767	5.7100e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		604.4440	604.4440	0.0142	0.0153	609.3623
Total	**0.2163**	**0.1262**	**1.7767**	**5.7100e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**604.4440**	**604.4440**	**0.0142**	**0.0153**	**609.3623**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2055	0.1168	1.7011	5.5600e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		592.8870	592.8870	0.0131	0.0147	597.5840
Total	**0.2055**	**0.1168**	**1.7011**	**5.5600e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**592.8870**	**592.8870**	**0.0131**	**0.0147**	**597.5840**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2055	0.1168	1.7011	5.5600e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		592.8870	592.8870	0.0131	0.0147	597.5840
Total	**0.2055**	**0.1168**	**1.7011**	**5.5600e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**592.8870**	**592.8870**	**0.0131**	**0.0147**	**597.5840**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1949	0.1088	1.6350	5.4200e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		582.5576	582.5576	0.0122	0.0141	587.0664
Total	**0.1949**	**0.1088**	**1.6350**	**5.4200e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**582.5576**	**582.5576**	**0.0122**	**0.0141**	**587.0664**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1949	0.1088	1.6350	5.4200e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		582.5576	582.5576	0.0122	0.0141	587.0664
Total	**0.1949**	**0.1088**	**1.6350**	**5.4200e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**582.5576**	**582.5576**	**0.0122**	**0.0141**	**587.0664**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1852	0.1021	1.5792	5.3000e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		573.5146	573.5146	0.0113	0.0137	577.8654
Total	**0.1852**	**0.1021**	**1.5792**	**5.3000e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**573.5146**	**573.5146**	**0.0113**	**0.0137**	**577.8654**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1852	0.1021	1.5792	5.3000e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		573.5146	573.5146	0.0113	0.0137	577.8654
Total	**0.1852**	**0.1021**	**1.5792**	**5.3000e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**573.5146**	**573.5146**	**0.0113**	**0.0137**	**577.8654**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1754	0.0961	1.5296	5.2000e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		565.4792	565.4792	0.0106	0.0133	569.6933
Total	**0.1754**	**0.0961**	**1.5296**	**5.2000e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**565.4792**	**565.4792**	**0.0106**	**0.0133**	**569.6933**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1754	0.0961	1.5296	5.2000e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		565.4792	565.4792	0.0106	0.0133	569.6933
Total	**0.1754**	**0.0961**	**1.5296**	**5.2000e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**565.4792**	**565.4792**	**0.0106**	**0.0133**	**569.6933**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0913	1.4870	5.1000e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		558.4636	558.4636	9.9000e-003	0.0129	562.5656
Total	**0.1667**	**0.0913**	**1.4870**	**5.1000e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**558.4636**	**558.4636**	**9.9000e-003**	**0.0129**	**562.5656**

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0913	1.4870	5.1000e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		558.4636	558.4636	9.9000e-003	0.0129	562.5656
Total	**0.1667**	**0.0913**	**1.4870**	**5.1000e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**558.4636**	**558.4636**	**9.9000e-003**	**0.0129**	**562.5656**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	107.2020	115.0789	1,062.0832	1.9271	260.4864	1.2538	261.7403	69.3866	1.1689	70.5555		209,184.3399	209,184.3399	14.4453	10.6275	212,712.4778
Unmitigated	107.2020	115.0789	1,062.0832	1.9271	260.4864	1.2538	261.7403	69.3866	1.1689	70.5555		209,184.3399	209,184.3399	14.4453	10.6275	212,712.4778

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	57,764.30	70,571.90	32286.80	98,104,963	98,104,963
Total	57,764.30	70,571.90	32,286.80	98,104,963	98,104,963

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.555325	0.059694	0.187075	0.120723	0.022002	0.005883	0.011325	0.007301	0.000937	0.000488	0.025751	0.000886	0.002611

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
NaturalGas Unmitigated	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	9809.9	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Total		**0.1058**	**0.9618**	**0.8079**	**5.7700e-003**		**0.0731**	**0.0731**		**0.0731**	**0.0731**		**1,154.1054**	**1,154.1054**	**0.0221**	**0.0212**	**1,160.9636**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	9.8099	0.1058	0.9618	0.8079	5.7700e-003		0.0731	0.0731		0.0731	0.0731		1,154.1054	1,154.1054	0.0221	0.0212	1,160.9636
Total		**0.1058**	**0.9618**	**0.8079**	**5.7700e-003**		**0.0731**	**0.0731**		**0.0731**	**0.0731**		**1,154.1054**	**1,154.1054**	**0.0221**	**0.0212**	**1,160.9636**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Unmitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565

East Lone Tree Specific Plan Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	1.21810E-001	8.11270E-001	1.39907E+000	2.30000E-003	3.16600E-002	3.16600E-002	0.00000E+000	1.97877E+002	1.97877E+002	9.84000E-003	0.00000E+000	1.98123E+002
Concrete/Industrial Saws	1.56400E-002	1.20710E-001	1.82500E-001	3.10000E-004	5.53000E-003	5.53000E-003	0.00000E+000	2.68828E+001	2.68828E+001	1.28000E-003	0.00000E+000	2.69148E+001
Cranes	2.01190E-001	1.62961E+000	1.09096E+000	4.21000E-003	6.71800E-002	6.23200E-002	0.00000E+000	3.66980E+002	3.66980E+002	7.88200E-002	0.00000E+000	3.68950E+002
Excavators	5.29400E-002	3.99780E-001	9.94960E-001	1.58000E-003	1.96500E-002	1.80800E-002	0.00000E+000	1.38429E+002	1.38429E+002	4.47700E-002	0.00000E+000	1.39549E+002
Forklifts	2.03540E-001	1.64591E+000	2.68183E+000	3.83000E-003	7.29000E-002	6.74800E-002	0.00000E+000	3.33683E+002	3.33683E+002	7.27100E-002	0.00000E+000	3.35501E+002
Generator Sets	1.87970E-001	1.70285E+000	2.82985E+000	5.10000E-003	5.88400E-002	5.88400E-002	0.00000E+000	4.38036E+002	4.38036E+002	1.49000E-002	0.00000E+000	4.38408E+002
Graders	2.41100E-002	2.67890E-001	1.23540E-001	5.10000E-004	8.62000E-003	7.93000E-003	0.00000E+000	4.50132E+001	4.50132E+001	1.45600E-002	0.00000E+000	4.53772E+001
Pavers	1.91200E-002	1.74140E-001	3.18540E-001	5.20000E-004	8.15000E-003	7.50000E-003	0.00000E+000	4.54039E+001	4.54039E+001	1.46800E-002	0.00000E+000	4.57710E+001
Paving Equipment	1.61500E-002	1.39120E-001	2.80110E-001	4.50000E-004	6.88000E-003	6.33000E-003	0.00000E+000	3.93491E+001	3.93491E+001	1.27300E-002	0.00000E+000	3.96672E+001
Rollers	1.50600E-002	1.58730E-001	2.03140E-001	2.90000E-004	7.98000E-003	7.34000E-003	0.00000E+000	2.53529E+001	2.53529E+001	8.20000E-003	0.00000E+000	2.55579E+001
Rubber Tired Dozers	1.81720E-001	1.86221E+000	8.25630E-001	2.28000E-003	8.31300E-002	7.64800E-002	0.00000E+000	2.00683E+002	2.00683E+002	6.49100E-002	0.00000E+000	2.02306E+002
Scrapers	1.04130E-001	9.87470E-001	8.33990E-001	2.35000E-003	3.88700E-002	3.57600E-002	0.00000E+000	2.06442E+002	2.06442E+002	6.67700E-002	0.00000E+000	2.08111E+002
Tractors/Loaders/Backhoes	3.33640E-001	2.88580E+000	5.22847E+000	7.67000E-003	1.02300E-001	9.51500E-002	0.00000E+000	6.68428E+002	6.68428E+002	1.53680E-001	0.00000E+000	6.72270E+002
Welders	1.55840E-001	1.00191E+000	1.26705E+000	1.98000E-003	2.53400E-002	2.53400E-002	0.00000E+000	1.45871E+002	1.45871E+002	1.26600E-002	0.00000E+000	1.46187E+002

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.21810E-001	8.11270E-001	1.39907E+000	2.30000E-003	3.16600E-002	3.16600E-002	0.00000E+000	1.97877E+002	1.97877E+002	9.84000E-003	0.00000E+000	1.98123E+002
Concrete/Industrial Saws	1.56400E-002	1.20710E-001	1.82500E-001	3.10000E-004	5.53000E-003	5.53000E-003	0.00000E+000	2.68828E+001	2.68828E+001	1.28000E-003	0.00000E+000	2.69147E+001
Cranes	2.01190E-001	1.62961E+000	1.09096E+000	4.21000E-003	6.71800E-002	6.23200E-002	0.00000E+000	3.66979E+002	3.66979E+002	7.88200E-002	0.00000E+000	3.68950E+002
Excavators	5.29400E-002	3.99780E-001	9.94960E-001	1.58000E-003	1.96500E-002	1.80800E-002	0.00000E+000	1.38429E+002	1.38429E+002	4.47700E-002	0.00000E+000	1.39548E+002
Forklifts	2.03540E-001	1.64591E+000	2.68182E+000	3.83000E-003	7.29000E-002	6.74800E-002	0.00000E+000	3.33683E+002	3.33683E+002	7.27100E-002	0.00000E+000	3.35500E+002
Generator Sets	1.87970E-001	1.70284E+000	2.82985E+000	5.10000E-003	5.88400E-002	5.88400E-002	0.00000E+000	4.38035E+002	4.38035E+002	1.49000E-002	0.00000E+000	4.38408E+002
Graders	2.41100E-002	2.67890E-001	1.23540E-001	5.10000E-004	8.62000E-003	7.93000E-003	0.00000E+000	4.50132E+001	4.50132E+001	1.45600E-002	0.00000E+000	4.53771E+001
Pavers	1.91200E-002	1.74140E-001	3.18530E-001	5.20000E-004	8.15000E-003	7.50000E-003	0.00000E+000	4.54039E+001	4.54039E+001	1.46800E-002	0.00000E+000	4.57710E+001
Paving Equipment	1.61500E-002	1.39120E-001	2.80110E-001	4.50000E-004	6.88000E-003	6.33000E-003	0.00000E+000	3.93490E+001	3.93490E+001	1.27300E-002	0.00000E+000	3.96672E+001
Rollers	1.50600E-002	1.58730E-001	2.03140E-001	2.90000E-004	7.98000E-003	7.34000E-003	0.00000E+000	2.53529E+001	2.53529E+001	8.20000E-003	0.00000E+000	2.55579E+001
Rubber Tired Dozers	1.81720E-001	1.86221E+000	8.25630E-001	2.28000E-003	8.31300E-002	7.64800E-002	0.00000E+000	2.00683E+002	2.00683E+002	6.49000E-002	0.00000E+000	2.02306E+002
Scrapers	1.04130E-001	9.87470E-001	8.33990E-001	2.35000E-003	3.88700E-002	3.57600E-002	0.00000E+000	2.06441E+002	2.06441E+002	6.67700E-002	0.00000E+000	2.08110E+002
Tractors/Loaders/Backhoes	3.33640E-001	2.88579E+000	5.22846E+000	7.67000E-003	1.02300E-001	9.51500E-002	0.00000E+000	6.68427E+002	6.68427E+002	1.53680E-001	0.00000E+000	6.72269E+002
Welders	1.55840E-001	1.00191E+000	1.26705E+000	1.98000E-003	2.53400E-002	2.53400E-002	0.00000E+000	1.45871E+002	1.45871E+002	1.26600E-002	0.00000E+000	1.46187E+002

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21287E-006	1.21287E-006	0.00000E+000	0.00000E+000	1.21137E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.48794E-006	1.48794E-006	0.00000E+000	0.00000E+000	1.48617E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19898E-006	1.19898E-006	0.00000E+000	0.00000E+000	1.19257E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22806E-006	1.22806E-006	0.00000E+000	0.00000E+000	1.21821E-006
Forklifts	0.00000E+000	0.00000E+000	3.72880E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19874E-006	1.19874E-006	0.00000E+000	0.00000E+000	1.19225E-006
Generator Sets	0.00000E+000	5.87251E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18712E-006	1.18712E-006	0.00000E+000	0.00000E+000	1.18611E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11079E-006	1.11079E-006	0.00000E+000	0.00000E+000	1.10188E-006
Pavers	0.00000E+000	0.00000E+000	3.13932E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10123E-006	1.10123E-006	0.00000E+000	0.00000E+000	1.31087E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.27068E-006	1.27068E-006	0.00000E+000	0.00000E+000	1.26049E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18330E-006	1.18330E-006	0.00000E+000	0.00000E+000	1.17380E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19591E-006	1.19591E-006	1.54059E-004	0.00000E+000	1.23575E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16256E-006	1.16256E-006	0.00000E+000	0.00000E+000	1.20128E-006
Tractors/Loaders/Backhoes	0.00000E+000	3.46524E-006	1.91261E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18188E-006	1.18188E-006	0.00000E+000	0.00000E+000	1.19000E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23397E-006	1.23397E-006	0.00000E+000	0.00000E+000	1.16289E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.60	0.16	0.60	0.16	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	4.28	1.17	4.28	1.17	0.00	0.00
Demolition	Fugitive Dust	0.01	0.00	0.01	0.00	0.00	0.00
Demolition	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Grading	Fugitive Dust	0.71	0.28	0.71	0.28	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.64	0.31	0.64	0.31	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	3.91	0.02	0.10	1.94
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	0.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	

East Lone Tree Specific Plan Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

East Lone Tree Specific Plan Project - 100% Employment Alternative

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	1,530.18	1000sqft	87.82	1,530,176.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2032
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage updated to represent total acreage of project site.

Construction Phase - Architectural coating assumed to start two weeks after the initiation of building construction, and last for the same duration.

Demolition - Demolition material amount representative of existing buildings located on parcel 3. Square footage estimated using ArcGIS.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,550.00
tblConstructionPhase	PhaseEndDate	12/26/2031	1/16/2026
tblConstructionPhase	PhaseEndDate	7/25/2031	12/26/2031
tblConstructionPhase	PhaseEndDate	5/28/2032	1/9/2032
tblConstructionPhase	PhaseStartDate	7/26/2031	8/16/2025

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	8/16/2025	1/17/2026
tblConstructionPhase	PhaseStartDate	12/27/2031	1/31/2026
tblLandUse	LandUseSquareFeet	1,530,180.00	1,530,176.00
tblLandUse	LotAcreage	35.13	87.82

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1844	1.7565	1.4883	3.0300e-003	0.5342	0.0801	0.6143	0.2671	0.0741	0.3412	0.0000	266.1175	266.1175	0.0760	4.8000e-004	268.1583
2025	0.2849	2.6903	2.8725	6.2300e-003	0.8519	0.1126	0.9645	0.3330	0.1036	0.4366	0.0000	547.8010	547.8010	0.1730	3.5000e-004	552.2308
2026	1.6124	3.2110	4.0577	0.0143	0.7804	0.0851	0.8654	0.2124	0.0804	0.2928	0.0000	1,336.2801	1,336.2801	0.0956	0.0967	1,367.4926
2027	1.7309	3.3000	4.1046	0.0146	0.8213	0.0866	0.9079	0.2235	0.0820	0.3054	0.0000	1,370.1490	1,370.1490	0.0953	0.0991	1,402.0492
2028	1.7158	3.2725	4.0274	0.0143	0.8181	0.0861	0.9042	0.2226	0.0814	0.3041	0.0000	1,344.7563	1,344.7563	0.0941	0.0964	1,375.8445
2029	1.7141	3.2633	3.9879	0.0141	0.8213	0.0861	0.9074	0.2235	0.0815	0.3050	0.0000	1,328.9107	1,328.9107	0.0937	0.0944	1,359.3691
2030	1.6937	2.6222	3.9503	0.0144	0.8213	0.0323	0.8536	0.2235	0.0318	0.2553	0.0000	1,351.6388	1,351.6388	0.0352	0.0923	1,380.0348
2031	1.6828	2.5852	3.8706	0.0141	0.8130	0.0318	0.8448	0.2212	0.0313	0.2525	0.0000	1,321.8943	1,321.8943	0.0342	0.0896	1,349.4364
2032	0.0370	3.2900e-003	0.0113	3.0000e-005	2.7100e-003	8.0000e-005	2.7900e-003	7.2000e-004	8.0000e-005	8.0000e-004	0.0000	2.6812	2.6812	7.0000e-005	4.0000e-005	2.6944
Maximum	**1.7309**	**3.3000**	**4.1046**	**0.0146**	**0.8519**	**0.1126**	**0.9645**	**0.3330**	**0.1036**	**0.4366**	**0.0000**	**1,370.1490**	**1,370.1490**	**0.1730**	**0.0991**	**1,402.0492**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1844	1.7565	1.4883	3.0300e-003	0.5342	0.0801	0.6143	0.2671	0.0741	0.3412	0.0000	266.1172	266.1172	0.0760	4.8000e-004	268.1580
2025	0.2849	2.6903	2.8725	6.2300e-003	0.8519	0.1126	0.9645	0.3330	0.1036	0.4366	0.0000	547.8004	547.8004	0.1730	3.5000e-004	552.2301
2026	1.6124	3.2110	4.0577	0.0143	0.7804	0.0851	0.8654	0.2124	0.0804	0.2928	0.0000	1,336.2797	1,336.2797	0.0956	0.0967	1,367.4922
2027	1.7309	3.3000	4.1046	0.0146	0.8213	0.0866	0.9079	0.2235	0.0820	0.3054	0.0000	1,370.1486	1,370.1486	0.0953	0.0991	1,402.0488
2028	1.7158	3.2725	4.0274	0.0143	0.8181	0.0861	0.9042	0.2226	0.0814	0.3041	0.0000	1,344.7559	1,344.7559	0.0941	0.0964	1,375.8441
2029	1.7141	3.2633	3.9879	0.0141	0.8213	0.0861	0.9074	0.2235	0.0815	0.3050	0.0000	1,328.9103	1,328.9103	0.0937	0.0944	1,359.3687
2030	1.6937	2.6222	3.9503	0.0144	0.8213	0.0323	0.8536	0.2235	0.0318	0.2553	0.0000	1,351.6384	1,351.6384	0.0352	0.0923	1,380.0343
2031	1.6828	2.5852	3.8706	0.0141	0.8130	0.0318	0.8448	0.2212	0.0313	0.2525	0.0000	1,321.8939	1,321.8939	0.0342	0.0896	1,349.4360
2032	0.0370	3.2900e-003	0.0113	3.0000e-005	2.7100e-003	8.0000e-005	2.7900e-003	7.2000e-004	8.0000e-005	8.0000e-004	0.0000	2.6812	2.6812	7.0000e-005	4.0000e-005	2.6944
Maximum	**1.7309**	**3.3000**	**4.1046**	**0.0146**	**0.8519**	**0.1126**	**0.9645**	**0.3330**	**0.1036**	**0.4366**	**0.0000**	**1,370.1486**	**1,370.1486**	**0.1730**	**0.0991**	**1,402.0488**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-3-2024**	**9-2-2024**	0.7643	0.7643

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2	**9-3-2024**	**12-2-2024**	0.8630	0.8630
3	**12-3-2024**	**3-2-2025**	0.9723	0.9723
4	**3-3-2025**	**6-2-2025**	1.0159	1.0159
5	**6-3-2025**	**9-2-2025**	0.8785	0.8785
6	**9-3-2025**	**12-2-2025**	0.3105	0.3105
7	**12-3-2025**	**3-2-2026**	0.7232	0.7232
8	**3-3-2026**	**6-2-2026**	1.2687	1.2687
9	**6-3-2026**	**9-2-2026**	1.2603	1.2603
10	**9-3-2026**	**12-2-2026**	1.2650	1.2650
11	**12-3-2026**	**3-2-2027**	1.2543	1.2543
12	**3-3-2027**	**6-2-2027**	1.2618	1.2618
13	**6-3-2027**	**9-2-2027**	1.2535	1.2535
14	**9-3-2027**	**12-2-2027**	1.2579	1.2579
15	**12-3-2027**	**3-2-2028**	1.2617	1.2617
16	**3-3-2028**	**6-2-2028**	1.2559	1.2559
17	**6-3-2028**	**9-2-2028**	1.2478	1.2478
18	**9-3-2028**	**12-2-2028**	1.2519	1.2519
19	**12-3-2028**	**3-2-2029**	1.2407	1.2407
20	**3-3-2029**	**6-2-2029**	1.2484	1.2484
21	**6-3-2029**	**9-2-2029**	1.2404	1.2404
22	**9-3-2029**	**12-2-2029**	1.2443	1.2443
23	**12-3-2029**	**3-2-2030**	1.1276	1.1276
24	**3-3-2030**	**6-2-2030**	1.0818	1.0818
25	**6-3-2030**	**9-2-2030**	1.0739	1.0739
26	**9-3-2030**	**12-2-2030**	1.0794	1.0794
27	**12-3-2030**	**3-2-2031**	1.0722	1.0722
28	**3-3-2031**	**6-2-2031**	1.0777	1.0777
29	**6-3-2031**	**9-2-2031**	1.0699	1.0699
30	**9-3-2031**	**12-2-2031**	1.0753	1.0753

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

31	**12-3-2031**	**3-2-2032**	0.3433	0.3433
		Highest	1.2687	1.2687

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Energy	0.1725	1.5684	1.3175	9.4100e-003		0.1192	0.1192		0.1192	0.1192	0.0000	4,366.2557	4,366.2557	0.4629	0.0834	4,402.6932
Mobile	4.1830	4.5882	41.4754	0.0890	11.6639	0.0556	11.7195	3.1166	0.0519	3.1684	0.0000	8,761.0000	8,761.0000	0.5059	0.3914	8,890.2768
Waste						0.0000	0.0000		0.0000	0.0000	288.8704	0.0000	288.8704	17.0718	0.0000	715.6641
Water						0.0000	0.0000		0.0000	0.0000	86.2818	190.1371	276.4190	8.8927	0.2130	562.2050
Total	**11.1309**	**6.1568**	**42.8069**	**0.0984**	**11.6639**	**0.1748**	**11.8388**	**3.1166**	**0.1711**	**3.2877**	**375.1522**	**13,317.4201**	**13,692.5723**	**26.9334**	**0.6878**	**14,570.8681**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Energy	0.1725	1.5684	1.3175	9.4100e-003		0.1192	0.1192		0.1192	0.1192	0.0000	4,366.2557	4,366.2557	0.4629	0.0834	4,402.6932
Mobile	4.1830	4.5882	41.4754	0.0890	11.6639	0.0556	11.7195	3.1166	0.0519	3.1684	0.0000	8,761.0000	8,761.0000	0.5059	0.3914	8,890.2768
Waste						0.0000	0.0000		0.0000	0.0000	288.8704	0.0000	288.8704	17.0718	0.0000	715.6641
Water						0.0000	0.0000		0.0000	0.0000	86.2818	179.3413	265.6232	8.8910	0.2128	551.3024
Total	**11.1309**	**6.1568**	**42.8069**	**0.0984**	**11.6639**	**0.1748**	**11.8388**	**3.1166**	**0.1711**	**3.2877**	**375.1522**	**13,306.6243**	**13,681.7765**	**26.9316**	**0.6876**	**14,559.9656**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.08**	**0.08**	**0.01**	**0.03**	**0.07**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/3/2024	10/18/2024	5	100	
2	Site Preparation	Site Preparation	10/19/2024	1/10/2025	5	60	
3	Grading	Grading	1/11/2025	8/15/2025	5	155	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	1/17/2026	12/26/2031	5	1550	
5	Paving	Paving	8/16/2025	1/16/2026	5	110	
6	Architectural Coating	Architectural Coating	1/31/2026	1/9/2032	5	1550	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,295,264; Non-Residential Outdoor: 765,088; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	61.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	251.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6200e-003	0.0000	6.6200e-003	1.0000e-003	0.0000	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9802	169.9802	0.0476	0.0000	171.1692
Total	**0.1122**	**1.0439**	**0.9854**	**1.9400e-003**	**6.6200e-003**	**0.0480**	**0.0546**	**1.0000e-003**	**0.0446**	**0.0456**	**0.0000**	**169.9802**	**169.9802**	**0.0476**	**0.0000**	**171.1692**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	4.1400e-003	9.8000e-004	2.0000e-005	5.2000e-004	3.0000e-005	5.5000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.7919	1.7919	6.0000e-005	2.8000e-004	1.8780
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-003	1.1700e-003	0.0155	5.0000e-005	5.9300e-003	3.0000e-005	5.9600e-003	1.5800e-003	3.0000e-005	1.6000e-003	0.0000	4.5302	4.5302	1.2000e-004	1.2000e-004	4.5686
Total	**1.8600e-003**	**5.3100e-003**	**0.0165**	**7.0000e-005**	**6.4500e-003**	**6.0000e-005**	**6.5100e-003**	**1.7200e-003**	**6.0000e-005**	**1.7700e-003**	**0.0000**	**6.3221**	**6.3221**	**1.8000e-004**	**4.0000e-004**	**6.4466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6200e-003	0.0000	6.6200e-003	1.0000e-003	0.0000	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9800	169.9800	0.0476	0.0000	171.1690
Total	**0.1122**	**1.0439**	**0.9854**	**1.9400e-003**	**6.6200e-003**	**0.0480**	**0.0546**	**1.0000e-003**	**0.0446**	**0.0456**	**0.0000**	**169.9800**	**169.9800**	**0.0476**	**0.0000**	**171.1690**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	4.1400e-003	9.8000e-004	2.0000e-005	5.2000e-004	3.0000e-005	5.5000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.7919	1.7919	6.0000e-005	2.8000e-004	1.8780
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-003	1.1700e-003	0.0155	5.0000e-005	5.9300e-003	3.0000e-005	5.9600e-003	1.5800e-003	3.0000e-005	1.6000e-003	0.0000	4.5302	4.5302	1.2000e-004	1.2000e-004	4.5686
Total	**1.8600e-003**	**5.3100e-003**	**0.0165**	**7.0000e-005**	**6.4500e-003**	**6.0000e-005**	**6.5100e-003**	**1.7200e-003**	**6.0000e-005**	**1.7700e-003**	**0.0000**	**6.3221**	**6.3221**	**1.8000e-004**	**4.0000e-004**	**6.4466**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5175	0.0000	0.5175	0.2634	0.0000	0.2634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.7066	0.4767	9.9000e-004		0.0320	0.0320		0.0294	0.0294	0.0000	86.9884	86.9884	0.0281	0.0000	87.6917
Total	**0.0692**	**0.7066**	**0.4767**	**9.9000e-004**	**0.5175**	**0.0320**	**0.5494**	**0.2634**	**0.0294**	**0.2928**	**0.0000**	**86.9884**	**86.9884**	**0.0281**	**0.0000**	**87.6917**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.3000e-004	9.7000e-003	3.0000e-005	3.7000e-003	2.0000e-005	3.7200e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.8268	2.8268	8.0000e-005	7.0000e-005	2.8508
Total	**1.1200e-003**	**7.3000e-004**	**9.7000e-003**	**3.0000e-005**	**3.7000e-003**	**2.0000e-005**	**3.7200e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.8268**	**2.8268**	**8.0000e-005**	**7.0000e-005**	**2.8508**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5175	0.0000	0.5175	0.2634	0.0000	0.2634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.7066	0.4767	9.9000e-004		0.0320	0.0320		0.0294	0.0294	0.0000	86.9883	86.9883	0.0281	0.0000	87.6916
Total	**0.0692**	**0.7066**	**0.4767**	**9.9000e-004**	**0.5175**	**0.0320**	**0.5494**	**0.2634**	**0.0294**	**0.2928**	**0.0000**	**86.9883**	**86.9883**	**0.0281**	**0.0000**	**87.6916**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.3000e-004	9.7000e-003	3.0000e-005	3.7000e-003	2.0000e-005	3.7200e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.8268	2.8268	8.0000e-005	7.0000e-005	2.8508
Total	**1.1200e-003**	**7.3000e-004**	**9.7000e-003**	**3.0000e-005**	**3.7000e-003**	**2.0000e-005**	**3.7200e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.8268**	**2.8268**	**8.0000e-005**	**7.0000e-005**	**2.8508**

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1200	0.0000	0.1200	0.0449	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8900e-003	0.1009	0.0717	1.5000e-004		4.3500e-003	4.3500e-003		4.0000e-003	4.0000e-003	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950
Total	**9.8900e-003**	**0.1009**	**0.0717**	**1.5000e-004**	**0.1200**	**4.3500e-003**	**0.1243**	**0.0449**	**4.0000e-003**	**0.0489**	**0.0000**	**13.3868**	**13.3868**	**4.3300e-003**	**0.0000**	**13.4950**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.4000e-003	0.0000	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4245	0.4245	1.0000e-005	1.0000e-005	0.4280
Total	**1.6000e-004**	**1.0000e-004**	**1.4000e-003**	**0.0000**	**5.7000e-004**	**0.0000**	**5.7000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4245**	**0.4245**	**1.0000e-005**	**1.0000e-005**	**0.4280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1200	0.0000	0.1200	0.0449	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8900e-003	0.1009	0.0717	1.5000e-004		4.3500e-003	4.3500e-003		4.0000e-003	4.0000e-003	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950
Total	**9.8900e-003**	**0.1009**	**0.0717**	**1.5000e-004**	**0.1200**	**4.3500e-003**	**0.1243**	**0.0449**	**4.0000e-003**	**0.0489**	**0.0000**	**13.3868**	**13.3868**	**4.3300e-003**	**0.0000**	**13.4950**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.4000e-003	0.0000	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4245	0.4245	1.0000e-005	1.0000e-005	0.4280
Total	**1.6000e-004**	**1.0000e-004**	**1.4000e-003**	**0.0000**	**5.7000e-004**	**0.0000**	**5.7000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4245**	**0.4245**	**1.0000e-005**	**1.0000e-005**	**0.4280**

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7133	0.0000	0.7133	0.2832	0.0000	0.2832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2249	2.1656	2.0407	4.8100e-003		0.0876	0.0876		0.0806	0.0806	0.0000	422.4232	422.4232	0.1366	0.0000	425.8387
Total	**0.2249**	**2.1656**	**2.0407**	**4.8100e-003**	**0.7133**	**0.0876**	**0.8009**	**0.2832**	**0.0806**	**0.3638**	**0.0000**	**422.4232**	**422.4232**	**0.1366**	**0.0000**	**425.8387**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.1800e-003	0.0302	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	5.0000e-005	3.3100e-003	0.0000	9.1387	9.1387	2.3000e-004	2.3000e-004	9.2129
Total	**3.4900e-003**	**2.1800e-003**	**0.0302**	**1.0000e-004**	**0.0123**	**6.0000e-005**	**0.0123**	**3.2600e-003**	**5.0000e-005**	**3.3100e-003**	**0.0000**	**9.1387**	**9.1387**	**2.3000e-004**	**2.3000e-004**	**9.2129**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7133	0.0000	0.7133	0.2832	0.0000	0.2832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2249	2.1656	2.0407	4.8100e-003		0.0876	0.0876		0.0806	0.0806	0.0000	422.4226	422.4226	0.1366	0.0000	425.8381
Total	**0.2249**	**2.1656**	**2.0407**	**4.8100e-003**	**0.7133**	**0.0876**	**0.8009**	**0.2832**	**0.0806**	**0.3638**	**0.0000**	**422.4226**	**422.4226**	**0.1366**	**0.0000**	**425.8381**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.1800e-003	0.0302	1.0000e-004	0.0123	6.0000e-005	0.0123	3.2600e-003	5.0000e-005	3.3100e-003	0.0000	9.1387	9.1387	2.3000e-004	2.3000e-004	9.2129
Total	**3.4900e-003**	**2.1800e-003**	**0.0302**	**1.0000e-004**	**0.0123**	**6.0000e-005**	**0.0123**	**3.2600e-003**	**5.0000e-005**	**3.3100e-003**	**0.0000**	**9.1387**	**9.1387**	**2.3000e-004**	**2.3000e-004**	**9.2129**

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.5525	2.0025	3.3600e-003		0.0657	0.0657		0.0618	0.0618	0.0000	288.7397	288.7397	0.0679	0.0000	290.4366
Total	**0.1702**	**1.5525**	**2.0025**	**3.3600e-003**		**0.0657**	**0.0657**		**0.0618**	**0.0618**	**0.0000**	**288.7397**	**288.7397**	**0.0679**	**0.0000**	**290.4366**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0308	1.3767	0.4121	6.0100e-003	0.2051	8.1500e-003	0.2132	0.0593	7.7900e-003	0.0671	0.0000	585.5133	585.5133	0.0124	0.0865	611.6025
Worker	0.1300	0.0783	1.1223	3.6900e-003	0.4821	2.1600e-003	0.4842	0.1282	1.9900e-003	0.1302	0.0000	351.5075	351.5075	8.1800e-003	8.5600e-003	354.2623
Total	**0.1608**	**1.4550**	**1.5344**	**9.7000e-003**	**0.6871**	**0.0103**	**0.6974**	**0.1876**	**9.7800e-003**	**0.1973**	**0.0000**	**937.0208**	**937.0208**	**0.0206**	**0.0951**	**965.8648**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.5525	2.0025	3.3600e-003		0.0657	0.0657		0.0618	0.0618	0.0000	288.7394	288.7394	0.0679	0.0000	290.4362
Total	**0.1702**	**1.5525**	**2.0025**	**3.3600e-003**		**0.0657**	**0.0657**		**0.0618**	**0.0618**	**0.0000**	**288.7394**	**288.7394**	**0.0679**	**0.0000**	**290.4362**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0308	1.3767	0.4121	6.0100e-003	0.2051	8.1500e-003	0.2132	0.0593	7.7900e-003	0.0671	0.0000	585.5133	585.5133	0.0124	0.0865	611.6025
Worker	0.1300	0.0783	1.1223	3.6900e-003	0.4821	2.1600e-003	0.4842	0.1282	1.9900e-003	0.1302	0.0000	351.5075	351.5075	8.1800e-003	8.5600e-003	354.2623
Total	**0.1608**	**1.4550**	**1.5344**	**9.7000e-003**	**0.6871**	**0.0103**	**0.6974**	**0.1876**	**9.7800e-003**	**0.1973**	**0.0000**	**937.0208**	**937.0208**	**0.0206**	**0.0951**	**965.8648**

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0317	1.4329	0.4265	6.1700e-003	0.2149	8.4800e-003	0.2234	0.0622	8.1100e-003	0.0703	0.0000	601.3603	601.3603	0.0129	0.0888	628.1479
Worker	0.1291	0.0753	1.1191	3.7600e-003	0.5053	2.1300e-003	0.5074	0.1344	1.9600e-003	0.1364	0.0000	360.6782	360.6782	7.8800e-003	8.5400e-003	363.4187
Total	**0.1608**	**1.5082**	**1.5457**	**9.9300e-003**	**0.7202**	**0.0106**	**0.7308**	**0.1966**	**0.0101**	**0.2067**	**0.0000**	**962.0385**	**962.0385**	**0.0207**	**0.0974**	**991.5666**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0317	1.4329	0.4265	6.1700e-003	0.2149	8.4800e-003	0.2234	0.0622	8.1100e-003	0.0703	0.0000	601.3603	601.3603	0.0129	0.0888	628.1479
Worker	0.1291	0.0753	1.1191	3.7600e-003	0.5053	2.1300e-003	0.5074	0.1344	1.9600e-003	0.1364	0.0000	360.6782	360.6782	7.8800e-003	8.5400e-003	363.4187
Total	**0.1608**	**1.5082**	**1.5457**	**9.9300e-003**	**0.7202**	**0.0106**	**0.7308**	**0.1966**	**0.0101**	**0.2067**	**0.0000**	**962.0385**	**962.0385**	**0.0207**	**0.0974**	**991.5666**

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4953**	**301.4953**	**0.0709**	**0.0000**	**303.2671**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0311	1.4192	0.4209	6.0300e-003	0.2141	8.3800e-003	0.2225	0.0619	8.0100e-003	0.0700	0.0000	587.1563	587.1563	0.0127	0.0867	613.2987
Worker	0.1220	0.0694	1.0669	3.6400e-003	0.5033	1.9900e-003	0.5053	0.1339	1.8300e-003	0.1357	0.0000	352.4270	352.4270	7.2400e-003	8.1400e-003	355.0343
Total	**0.1530**	**1.4887**	**1.4878**	**9.6700e-003**	**0.7175**	**0.0104**	**0.7278**	**0.1959**	**9.8400e-003**	**0.2057**	**0.0000**	**939.5833**	**939.5833**	**0.0200**	**0.0948**	**968.3330**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4949**	**301.4949**	**0.0709**	**0.0000**	**303.2667**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0311	1.4192	0.4209	6.0300e-003	0.2141	8.3800e-003	0.2225	0.0619	8.0100e-003	0.0700	0.0000	587.1563	587.1563	0.0127	0.0867	613.2987
Worker	0.1220	0.0694	1.0669	3.6400e-003	0.5033	1.9900e-003	0.5053	0.1339	1.8300e-003	0.1357	0.0000	352.4270	352.4270	7.2400e-003	8.1400e-003	355.0343
Total	**0.1530**	**1.4887**	**1.4878**	**9.6700e-003**	**0.7175**	**0.0104**	**0.7278**	**0.1959**	**9.8400e-003**	**0.2057**	**0.0000**	**939.5833**	**939.5833**	**0.0200**	**0.0948**	**968.3330**

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0307	1.4086	0.4180	5.9100e-003	0.2150	8.3000e-003	0.2233	0.0622	7.9400e-003	0.0701	0.0000	575.7913	575.7913	0.0127	0.0849	601.4105
Worker	0.1160	0.0649	1.0290	3.5700e-003	0.5053	1.8700e-003	0.5072	0.1344	1.7200e-003	0.1361	0.0000	347.6204	347.6204	6.7400e-003	7.8700e-003	350.1331
Total	**0.1467**	**1.4736**	**1.4470**	**9.4800e-003**	**0.7202**	**0.0102**	**0.7304**	**0.1966**	**9.6600e-003**	**0.2063**	**0.0000**	**923.4117**	**923.4117**	**0.0194**	**0.0928**	**951.5436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0307	1.4086	0.4180	5.9100e-003	0.2150	8.3000e-003	0.2233	0.0622	7.9400e-003	0.0701	0.0000	575.7913	575.7913	0.0127	0.0849	601.4105
Worker	0.1160	0.0649	1.0290	3.5700e-003	0.5053	1.8700e-003	0.5072	0.1344	1.7200e-003	0.1361	0.0000	347.6204	347.6204	6.7400e-003	7.8700e-003	350.1331
Total	**0.1467**	**1.4736**	**1.4470**	**9.4800e-003**	**0.7202**	**0.0102**	**0.7304**	**0.1966**	**9.6600e-003**	**0.2063**	**0.0000**	**923.4117**	**923.4117**	**0.0194**	**0.0928**	**951.5436**

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0303	1.4019	0.4149	5.7900e-003	0.2150	8.2400e-003	0.2232	0.0622	7.8800e-003	0.0701	0.0000	564.6133	564.6133	0.0125	0.0832	589.7219
Worker	0.1100	0.0609	0.9936	3.4900e-003	0.5053	1.7500e-003	0.5070	0.1344	1.6100e-003	0.1360	0.0000	342.2266	342.2266	6.2700e-003	7.6100e-003	344.6513
Total	**0.1403**	**1.4628**	**1.4085**	**9.2800e-003**	**0.7202**	**9.9900e-003**	**0.7302**	**0.1966**	**9.4900e-003**	**0.2061**	**0.0000**	**906.8399**	**906.8399**	**0.0188**	**0.0908**	**934.3732**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0303	1.4019	0.4149	5.7900e-003	0.2150	8.2400e-003	0.2232	0.0622	7.8800e-003	0.0701	0.0000	564.6133	564.6133	0.0125	0.0832	589.7219
Worker	0.1100	0.0609	0.9936	3.4900e-003	0.5053	1.7500e-003	0.5070	0.1344	1.6100e-003	0.1360	0.0000	342.2266	342.2266	6.2700e-003	7.6100e-003	344.6513
Total	**0.1403**	**1.4628**	**1.4085**	**9.2800e-003**	**0.7202**	**9.9900e-003**	**0.7302**	**0.1966**	**9.4900e-003**	**0.2061**	**0.0000**	**906.8399**	**906.8399**	**0.0188**	**0.0908**	**934.3732**

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1689	1.0236	2.0843	3.9900e-003		0.0191	0.0191		0.0191	0.0191	0.0000	339.0907	339.0907	0.0136	0.0000	339.4308
Total	**0.1689**	**1.0236**	**2.0843**	**3.9900e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**339.0907**	**339.0907**	**0.0136**	**0.0000**	**339.4308**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	1.3818	0.4083	5.6300e-003	0.2125	8.1100e-003	0.2206	0.0615	7.7500e-003	0.0692	0.0000	548.4408	548.4408	0.0123	0.0808	572.8177
Worker	0.1028	0.0567	0.9511	3.3800e-003	0.4995	1.6300e-003	0.5011	0.1329	1.5000e-003	0.1344	0.0000	333.5559	333.5559	5.7800e-003	7.3100e-003	335.8776
Total	**0.1325**	**1.4385**	**1.3594**	**9.0100e-003**	**0.7120**	**9.7400e-003**	**0.7217**	**0.1944**	**9.2500e-003**	**0.2036**	**0.0000**	**881.9967**	**881.9967**	**0.0181**	**0.0881**	**908.6953**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1689	1.0236	2.0843	3.9900e-003		0.0191	0.0191		0.0191	0.0191	0.0000	339.0903	339.0903	0.0136	0.0000	339.4304
Total	**0.1689**	**1.0236**	**2.0843**	**3.9900e-003**		**0.0191**	**0.0191**		**0.0191**	**0.0191**	**0.0000**	**339.0903**	**339.0903**	**0.0136**	**0.0000**	**339.4304**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	1.3818	0.4083	5.6300e-003	0.2125	8.1100e-003	0.2206	0.0615	7.7500e-003	0.0692	0.0000	548.4408	548.4408	0.0123	0.0808	572.8177
Worker	0.1028	0.0567	0.9511	3.3800e-003	0.4995	1.6300e-003	0.5011	0.1329	1.5000e-003	0.1344	0.0000	333.5559	333.5559	5.7800e-003	7.3100e-003	335.8776
Total	**0.1325**	**1.4385**	**1.3594**	**9.0100e-003**	**0.7120**	**9.7400e-003**	**0.7217**	**0.1944**	**9.2500e-003**	**0.2036**	**0.0000**	**881.9967**	**881.9967**	**0.0181**	**0.0881**	**908.6953**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0448	0.4205	0.7143	1.1200e-003		0.0205	0.0205		0.0189	0.0189	0.0000	98.0944	98.0944	0.0317	0.0000	98.8875
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0448**	**0.4205**	**0.7143**	**1.1200e-003**		**0.0205**	**0.0205**		**0.0189**	**0.0189**	**0.0000**	**98.0944**	**98.0944**	**0.0317**	**0.0000**	**98.8875**

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.0400e-003	0.0143	5.0000e-005	5.8100e-003	3.0000e-005	5.8400e-003	1.5500e-003	3.0000e-005	1.5700e-003	0.0000	4.3335	4.3335	1.1000e-004	1.1000e-004	4.3687
Total	**1.6600e-003**	**1.0400e-003**	**0.0143**	**5.0000e-005**	**5.8100e-003**	**3.0000e-005**	**5.8400e-003**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**0.0000**	**4.3335**	**4.3335**	**1.1000e-004**	**1.1000e-004**	**4.3687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0448	0.4205	0.7143	1.1200e-003		0.0205	0.0205		0.0189	0.0189	0.0000	98.0942	98.0942	0.0317	0.0000	98.8874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0448**	**0.4205**	**0.7143**	**1.1200e-003**		**0.0205**	**0.0205**		**0.0189**	**0.0189**	**0.0000**	**98.0942**	**98.0942**	**0.0317**	**0.0000**	**98.8874**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.0400e-003	0.0143	5.0000e-005	5.8100e-003	3.0000e-005	5.8400e-003	1.5500e-003	3.0000e-005	1.5700e-003	0.0000	4.3335	4.3335	1.1000e-004	1.1000e-004	4.3687
Total	**1.6600e-003**	**1.0400e-003**	**0.0143**	**5.0000e-005**	**5.8100e-003**	**3.0000e-005**	**5.8400e-003**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**0.0000**	**4.3335**	**4.3335**	**1.1000e-004**	**1.1000e-004**	**4.3687**

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4900e-003	0.0515	0.0875	1.4000e-004		2.5100e-003	2.5100e-003		2.3100e-003	2.3100e-003	0.0000	12.0116	12.0116	3.8800e-003	0.0000	12.1087
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4900e-003**	**0.0515**	**0.0875**	**1.4000e-004**		**2.5100e-003**	**2.5100e-003**		**2.3100e-003**	**2.3100e-003**	**0.0000**	**12.0116**	**12.0116**	**3.8800e-003**	**0.0000**	**12.1087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.2000e-004	1.6600e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5186	0.5186	1.0000e-005	1.0000e-005	0.5226
Total	**1.9000e-004**	**1.2000e-004**	**1.6600e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.1000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5186**	**0.5186**	**1.0000e-005**	**1.0000e-005**	**0.5226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4900e-003	0.0515	0.0875	1.4000e-004		2.5100e-003	2.5100e-003		2.3100e-003	2.3100e-003	0.0000	12.0115	12.0115	3.8800e-003	0.0000	12.1087
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4900e-003**	**0.0515**	**0.0875**	**1.4000e-004**		**2.5100e-003**	**2.5100e-003**		**2.3100e-003**	**2.3100e-003**	**0.0000**	**12.0115**	**12.0115**	**3.8800e-003**	**0.0000**	**12.1087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.2000e-004	1.6600e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5186	0.5186	1.0000e-005	1.0000e-005	0.5226
Total	**1.9000e-004**	**1.2000e-004**	**1.6600e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.1000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5186**	**0.5186**	**1.0000e-005**	**1.0000e-005**	**0.5226**

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1369	0.2162	3.6000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003	0.0000	30.5114	30.5114	1.6600e-003	0.0000	30.5530
Total	**1.2507**	**0.1369**	**0.2162**	**3.6000e-004**		**6.1500e-003**	**6.1500e-003**		**6.1500e-003**	**6.1500e-003**	**0.0000**	**30.5114**	**30.5114**	**1.6600e-003**	**0.0000**	**30.5530**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0250	0.0150	0.2155	7.1000e-004	0.0925	4.1000e-004	0.0930	0.0246	3.8000e-004	0.0250	0.0000	67.4781	67.4781	1.5700e-003	1.6400e-003	68.0070
Total	**0.0250**	**0.0150**	**0.2155**	**7.1000e-004**	**0.0925**	**4.1000e-004**	**0.0930**	**0.0246**	**3.8000e-004**	**0.0250**	**0.0000**	**67.4781**	**67.4781**	**1.5700e-003**	**1.6400e-003**	**68.0070**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1369	0.2162	3.6000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003	0.0000	30.5114	30.5114	1.6600e-003	0.0000	30.5530
Total	**1.2507**	**0.1369**	**0.2162**	**3.6000e-004**		**6.1500e-003**	**6.1500e-003**		**6.1500e-003**	**6.1500e-003**	**0.0000**	**30.5114**	**30.5114**	**1.6600e-003**	**0.0000**	**30.5530**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0250	0.0150	0.2155	7.1000e-004	0.0925	4.1000e-004	0.0930	0.0246	3.8000e-004	0.0250	0.0000	67.4781	67.4781	1.5700e-003	1.6400e-003	68.0070
Total	**0.0250**	**0.0150**	**0.2155**	**7.1000e-004**	**0.0925**	**4.1000e-004**	**0.0930**	**0.0246**	**3.8000e-004**	**0.0250**	**0.0000**	**67.4781**	**67.4781**	**1.5700e-003**	**1.6400e-003**	**68.0070**

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0258	0.0151	0.2238	7.5000e-004	0.1011	4.3000e-004	0.1015	0.0269	3.9000e-004	0.0273	0.0000	72.1356	72.1356	1.5800e-003	1.7100e-003	72.6837
Total	**0.0258**	**0.0151**	**0.2238**	**7.5000e-004**	**0.1011**	**4.3000e-004**	**0.1015**	**0.0269**	**3.9000e-004**	**0.0273**	**0.0000**	**72.1356**	**72.1356**	**1.5800e-003**	**1.7100e-003**	**72.6837**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0258	0.0151	0.2238	7.5000e-004	0.1011	4.3000e-004	0.1015	0.0269	3.9000e-004	0.0273	0.0000	72.1356	72.1356	1.5800e-003	1.7100e-003	72.6837
Total	**0.0258**	**0.0151**	**0.2238**	**7.5000e-004**	**0.1011**	**4.3000e-004**	**0.1015**	**0.0269**	**3.9000e-004**	**0.0273**	**0.0000**	**72.1356**	**72.1356**	**1.5800e-003**	**1.7100e-003**	**72.6837**

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376
Total	**1.3606**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2376**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0139	0.2134	7.3000e-004	0.1007	4.0000e-004	0.1011	0.0268	3.7000e-004	0.0272	0.0000	70.4854	70.4854	1.4500e-003	1.6300e-003	71.0069
Total	**0.0244**	**0.0139**	**0.2134**	**7.3000e-004**	**0.1007**	**4.0000e-004**	**0.1011**	**0.0268**	**3.7000e-004**	**0.0272**	**0.0000**	**70.4854**	**70.4854**	**1.4500e-003**	**1.6300e-003**	**71.0069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375
Total	**1.3606**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2375**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0139	0.2134	7.3000e-004	0.1007	4.0000e-004	0.1011	0.0268	3.7000e-004	0.0272	0.0000	70.4854	70.4854	1.4500e-003	1.6300e-003	71.0069
Total	**0.0244**	**0.0139**	**0.2134**	**7.3000e-004**	**0.1007**	**4.0000e-004**	**0.1011**	**0.0268**	**3.7000e-004**	**0.0272**	**0.0000**	**70.4854**	**70.4854**	**1.4500e-003**	**1.6300e-003**	**71.0069**

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0130	0.2058	7.1000e-004	0.1011	3.7000e-004	0.1014	0.0269	3.4000e-004	0.0272	0.0000	69.5241	69.5241	1.3500e-003	1.5700e-003	70.0266
Total	**0.0232**	**0.0130**	**0.2058**	**7.1000e-004**	**0.1011**	**3.7000e-004**	**0.1014**	**0.0269**	**3.4000e-004**	**0.0272**	**0.0000**	**69.5241**	**69.5241**	**1.3500e-003**	**1.5700e-003**	**70.0266**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.3659**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0232	0.0130	0.2058	7.1000e-004	0.1011	3.7000e-004	0.1014	0.0269	3.4000e-004	0.0272	0.0000	69.5241	69.5241	1.3500e-003	1.5700e-003	70.0266
Total	**0.0232**	**0.0130**	**0.2058**	**7.1000e-004**	**0.1011**	**3.7000e-004**	**0.1014**	**0.0269**	**3.4000e-004**	**0.0272**	**0.0000**	**69.5241**	**69.5241**	**1.3500e-003**	**1.5700e-003**	**70.0266**

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3537**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0220	0.0122	0.1987	7.0000e-004	0.1011	3.5000e-004	0.1014	0.0269	3.2000e-004	0.0272	0.0000	68.4453	68.4453	1.2500e-003	1.5200e-003	68.9303
Total	**0.0220**	**0.0122**	**0.1987**	**7.0000e-004**	**0.1011**	**3.5000e-004**	**0.1014**	**0.0269**	**3.2000e-004**	**0.0272**	**0.0000**	**68.4453**	**68.4453**	**1.2500e-003**	**1.5200e-003**	**68.9303**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3536**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0220	0.0122	0.1987	7.0000e-004	0.1011	3.5000e-004	0.1014	0.0269	3.2000e-004	0.0272	0.0000	68.4453	68.4453	1.2500e-003	1.5200e-003	68.9303
Total	**0.0220**	**0.0122**	**0.1987**	**7.0000e-004**	**0.1011**	**3.5000e-004**	**0.1014**	**0.0269**	**3.2000e-004**	**0.0272**	**0.0000**	**68.4453**	**68.4453**	**1.2500e-003**	**1.5200e-003**	**68.9303**

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3537**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0115	0.1924	6.8000e-004	0.1011	3.3000e-004	0.1014	0.0269	3.0000e-004	0.0272	0.0000	67.4869	67.4869	1.1700e-003	1.4800e-003	67.9566
Total	**0.0208**	**0.0115**	**0.1924**	**6.8000e-004**	**0.1011**	**3.3000e-004**	**0.1014**	**0.0269**	**3.0000e-004**	**0.0272**	**0.0000**	**67.4869**	**67.4869**	**1.1700e-003**	**1.4800e-003**	**67.9566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	**1.3606**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3536**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0115	0.1924	6.8000e-004	0.1011	3.3000e-004	0.1014	0.0269	3.0000e-004	0.0272	0.0000	67.4869	67.4869	1.1700e-003	1.4800e-003	67.9566
Total	**0.0208**	**0.0115**	**0.1924**	**6.8000e-004**	**0.1011**	**3.3000e-004**	**0.1014**	**0.0269**	**3.0000e-004**	**0.0272**	**0.0000**	**67.4869**	**67.4869**	**1.1700e-003**	**1.4800e-003**	**67.9566**

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	3.0000e-003	6.2900e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.8936	0.8936	4.0000e-005	0.0000	0.8945
Total	**0.0365**	**3.0000e-003**	**6.2900e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.8936**	**0.8936**	**4.0000e-005**	**0.0000**	**0.8945**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	2.9000e-004	5.0200e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7200e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7876	1.7876	3.0000e-005	4.0000e-005	1.7998
Total	**5.3000e-004**	**2.9000e-004**	**5.0200e-003**	**2.0000e-005**	**2.7100e-003**	**1.0000e-005**	**2.7200e-003**	**7.2000e-004**	**1.0000e-005**	**7.3000e-004**	**0.0000**	**1.7876**	**1.7876**	**3.0000e-005**	**4.0000e-005**	**1.7998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	3.0000e-003	6.2900e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.8936	0.8936	4.0000e-005	0.0000	0.8945
Total	**0.0365**	**3.0000e-003**	**6.2900e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.8936**	**0.8936**	**4.0000e-005**	**0.0000**	**0.8945**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	2.9000e-004	5.0200e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7200e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7876	1.7876	3.0000e-005	4.0000e-005	1.7998
Total	**5.3000e-004**	**2.9000e-004**	**5.0200e-003**	**2.0000e-005**	**2.7100e-003**	**1.0000e-005**	**2.7200e-003**	**7.2000e-004**	**1.0000e-005**	**7.3000e-004**	**0.0000**	**1.7876**	**1.7876**	**3.0000e-005**	**4.0000e-005**	**1.7998**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1830	4.5882	41.4754	0.0890	11.6639	0.0556	11.7195	3.1166	0.0519	3.1684	0.0000	8,761.0000	8,761.0000	0.5059	0.3914	8,890.2768
Unmitigated	4.1830	4.5882	41.4754	0.0890	11.6639	0.0556	11.7195	3.1166	0.0519	3.1684	0.0000	8,761.0000	8,761.0000	0.5059	0.3914	8,890.2768

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Office Park	16,939.05	2,509.49	1162.93	31,638,747	31,638,747
Total	16,939.05	2,509.49	1,162.93	31,638,747	31,638,747

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Office Park	0.555325	0.059694	0.187075	0.120723	0.022002	0.005883	0.011325	0.007301	0.000937	0.000488	0.025751	0.000886	0.002611

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,658.8284	2,658.8284	0.4302	0.0521	2,685.1195
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,658.8284	2,658.8284	0.4302	0.0521	2,685.1195
NaturalGas Mitigated	0.1725	1.5684	1.3175	9.4100e-003		0.1192	0.1192		0.1192	0.1192	0.0000	1,707.4274	1,707.4274	0.0327	0.0313	1,717.5737
NaturalGas Unmitigated	0.1725	1.5684	1.3175	9.4100e-003		0.1192	0.1192		0.1192	0.1192	0.0000	1,707.4274	1,707.4274	0.0327	0.0313	1,717.5737

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Office Park	3.1996e+007	0.1725	1.5684	1.3175	9.4100e-003		0.1192	0.1192		0.1192	0.1192	0.0000	1,707.4274	1,707.4274	0.0327	0.0313	1,717.5737
Total		**0.1725**	**1.5684**	**1.3175**	**9.4100e-003**		**0.1192**	**0.1192**		**0.1192**	**0.1192**	**0.0000**	**1,707.4274**	**1,707.4274**	**0.0327**	**0.0313**	**1,717.5737**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Office Park	3.1996e+007	0.1725	1.5684	1.3175	9.4100e-003		0.1192	0.1192		0.1192	0.1192	0.0000	1,707.4274	1,707.4274	0.0327	0.0313	1,717.5737
Total		**0.1725**	**1.5684**	**1.3175**	**9.4100e-003**		**0.1192**	**0.1192**		**0.1192**	**0.1192**	**0.0000**	**1,707.4274**	**1,707.4274**	**0.0327**	**0.0313**	**1,717.5737**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Office Park	2.87367e+007	2,658.8284	0.4302	0.0521	2,685.1195
Total		**2,658.8284**	**0.4302**	**0.0521**	**2,685.1195**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Office Park	2.87367e+007	2,658.8284	0.4302	0.0521	2,685.1195
Total		**2,658.8284**	**0.4302**	**0.0521**	**2,685.1195**

6.0 Area Detail

6.1 Mitigation Measures Area

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Unmitigated	6.7753	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.9761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Total	**6.7753**	**1.3000e-004**	**0.0140**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0273**	**0.0273**	**7.0000e-005**	**0.0000**	**0.0291**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7979					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.9761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0273	0.0273	7.0000e-005	0.0000	0.0291
Total	**6.7753**	**1.3000e-004**	**0.0140**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0273**	**0.0273**	**7.0000e-005**	**0.0000**	**0.0291**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	265.6232	8.8910	0.2128	551.3024
Unmitigated	276.4190	8.8927	0.2130	562.2050

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Office Park	271.965 / 166.688	276.4190	8.8927	0.2130	562.2050
Total		**276.4190**	**8.8927**	**0.2130**	**562.2050**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Office Park	271.965 / 133.35	265.6232	8.8910	0.2128	551.3024
Total		**265.6232**	**8.8910**	**0.2128**	**551.3024**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	288.8704	17.0718	0.0000	715.6641
Unmitigated	288.8704	17.0718	0.0000	715.6641

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Office Park	1423.07	288.8704	17.0718	0.0000	715.6641
Total		**288.8704**	**17.0718**	**0.0000**	**715.6641**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Office Park	1423.07	288.8704	17.0718	0.0000	715.6641
Total		**288.8704**	**17.0718**	**0.0000**	**715.6641**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

East Lone Tree Specific Plan Project - 100% Employment Alternative

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	1,530.18	1000sqft	87.82	1,530,176.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2032
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage updated to represent total acreage of project site.

Construction Phase - Architectural coating assumed to start two weeks after the initiation of building construction, and last for the same duration.

Demolition - Demolition material amount representative of existing buildings located on parcel 3. Square footage estimated using ArcGIS.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,550.00
tblConstructionPhase	PhaseEndDate	12/26/2031	1/16/2026
tblConstructionPhase	PhaseEndDate	7/25/2031	12/26/2031
tblConstructionPhase	PhaseEndDate	5/28/2032	1/9/2032
tblConstructionPhase	PhaseStartDate	7/26/2031	8/16/2025

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	8/16/2025	1/17/2026
tblConstructionPhase	PhaseStartDate	12/27/2031	1/31/2026
tblLandUse	LandUseSquareFeet	1,530,180.00	1,530,176.00
tblLandUse	LotAcreage	35.13	87.82

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7064	27.2010	20.0610	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,893.5257	3,893.5257	1.1958	8.6800e-003	3,922.4183
2025	2.9487	27.9679	26.7487	0.0634	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,147.0191	6,147.0191	1.9462	3.0200e-003	6,196.5752
2026	13.4047	24.9523	32.7465	0.1161	6.5304	0.6652	7.1956	1.7707	0.6294	2.4001	0.0000	12,004.5217	12,004.5217	0.8071	0.8490	12,277.7088
2027	13.3291	24.8220	32.1283	0.1141	6.5304	0.6636	7.1940	1.7707	0.6279	2.3986	0.0000	11,815.7441	11,815.7441	0.7993	0.8292	12,082.8408
2028	13.2596	24.7159	31.6152	0.1121	6.5305	0.6618	7.1923	1.7707	0.6262	2.3970	0.0000	11,640.1299	11,640.1299	0.7928	0.8105	11,901.4795
2029	13.1919	24.5581	31.1610	0.1102	6.5305	0.6598	7.1903	1.7707	0.6244	2.3951	0.0000	11,458.3954	11,458.3954	0.7868	0.7901	11,713.5027
2030	13.0316	19.6513	30.8458	0.1125	6.5306	0.2476	6.7782	1.7707	0.2436	2.0143	0.0000	11,646.7599	11,646.7599	0.2925	0.7733	11,884.5196
2031	12.9708	19.5920	30.5188	0.1111	6.5306	0.2463	6.7769	1.7707	0.2424	2.0131	0.0000	11,512.2897	11,512.2897	0.2875	0.7586	11,745.5556
2032	10.5841	0.9305	3.3284	8.4600e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	882.2616	882.2616	0.0199	0.0113	886.1174
Maximum	**13.4047**	**27.9679**	**32.7465**	**0.1161**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**12,004.5217**	**12,004.5217**	**1.9462**	**0.8490**	**12,277.7088**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7064	27.2010	20.0610	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,893.5257	3,893.5257	1.1958	8.6800e-003	3,922.4183
2025	2.9487	27.9679	26.7487	0.0634	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,147.0191	6,147.0191	1.9462	3.0200e-003	6,196.5751
2026	13.4047	24.9523	32.7465	0.1161	6.5304	0.6652	7.1956	1.7707	0.6294	2.4001	0.0000	12,004.5217	12,004.5217	0.8071	0.8490	12,277.7088
2027	13.3291	24.8220	32.1283	0.1141	6.5304	0.6636	7.1940	1.7707	0.6279	2.3986	0.0000	11,815.7441	11,815.7441	0.7993	0.8292	12,082.8408
2028	13.2596	24.7159	31.6152	0.1121	6.5305	0.6618	7.1923	1.7707	0.6262	2.3970	0.0000	11,640.1299	11,640.1299	0.7928	0.8105	11,901.4795
2029	13.1919	24.5581	31.1610	0.1102	6.5305	0.6598	7.1903	1.7707	0.6244	2.3951	0.0000	11,458.3954	11,458.3954	0.7868	0.7901	11,713.5027
2030	13.0316	19.6513	30.8458	0.1125	6.5306	0.2476	6.7782	1.7707	0.2436	2.0143	0.0000	11,646.7599	11,646.7599	0.2925	0.7733	11,884.5196
2031	12.9708	19.5920	30.5188	0.1111	6.5306	0.2463	6.7769	1.7707	0.2424	2.0131	0.0000	11,512.2897	11,512.2897	0.2875	0.7586	11,745.5556
2032	10.5841	0.9305	3.3284	8.4600e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	882.2616	882.2616	0.0199	0.0113	886.1174
Maximum	**13.4047**	**27.9679**	**32.7465**	**0.1161**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**12,004.5217**	**12,004.5217**	**1.9462**	**0.8490**	**12,277.7088**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Mobile	34.4093	31.1997	303.7579	0.6910	89.3735	0.4103	89.7838	23.8067	0.3827	24.1894		75,028.9161	75,028.9161	3.8905	3.0288	76,028.7517
Total	**72.4867**	**39.7952**	**311.1325**	**0.7425**	**89.3735**	**1.0640**	**90.4375**	**23.8067**	**1.0364**	**24.8431**		**85,342.2180**	**85,342.2180**	**4.0890**	**3.2178**	**86,403.3600**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Mobile	34.4093	31.1997	303.7579	0.6910	89.3735	0.4103	89.7838	23.8067	0.3827	24.1894		75,028.9161	75,028.9161	3.8905	3.0288	76,028.7517
Total	**72.4867**	**39.7952**	**311.1325**	**0.7425**	**89.3735**	**1.0640**	**90.4375**	**23.8067**	**1.0364**	**24.8431**		**85,342.2180**	**85,342.2180**	**4.0890**	**3.2178**	**86,403.3600**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/3/2024	10/18/2024	5	100	
2	Site Preparation	Site Preparation	10/19/2024	1/10/2025	5	60	
3	Grading	Grading	1/11/2025	8/15/2025	5	155	
4	Building Construction	Building Construction	1/17/2026	12/26/2031	5	1550	
5	Paving	Paving	8/16/2025	1/16/2026	5	110	
6	Architectural Coating	Architectural Coating	1/31/2026	1/9/2032	5	1550	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,295,264; Non-Residential Outdoor: 765,088; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	61.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	251.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3000e-003	0.0798	0.0195	3.6000e-004	0.0107	6.7000e-004	0.0113	2.9200e-003	6.5000e-004	3.5700e-003		39.4888	39.4888	1.3200e-003	6.2600e-003	41.3868
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970
Total	**0.0392**	**0.1006**	**0.3537**	**1.3900e-003**	**0.1339**	**1.2500e-003**	**0.1351**	**0.0356**	**1.1900e-003**	**0.0368**		**146.1029**	**146.1029**	**3.8100e-003**	**8.6800e-003**	**148.7838**

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3000e-003	0.0798	0.0195	3.6000e-004	0.0107	6.7000e-004	0.0113	2.9200e-003	6.5000e-004	3.5700e-003		39.4888	39.4888	1.3200e-003	6.2600e-003	41.3868
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970
Total	**0.0392**	**0.1006**	**0.3537**	**1.3900e-003**	**0.1339**	**1.2500e-003**	**0.1351**	**0.0356**	**1.1900e-003**	**0.0368**		**146.1029**	**146.1029**	**3.8100e-003**	**8.6800e-003**	**148.7838**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764
Total	**0.0455**	**0.0250**	**0.4010**	**1.2400e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**127.9370**	**127.9370**	**2.9900e-003**	**2.9000e-003**	**128.8764**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764
Total	**0.0455**	**0.0250**	**0.4010**	**1.2400e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**127.9370**	**127.9370**	**2.9900e-003**	**2.9000e-003**	**128.8764**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423
Total	**0.0427**	**0.0225**	**0.3759**	**1.2000e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**124.8639**	**124.8639**	**2.7100e-003**	**2.7200e-003**	**125.7423**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423
Total	**0.0427**	**0.0225**	**0.3759**	**1.2000e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**124.8639**	**124.8639**	**2.7100e-003**	**2.7200e-003**	**125.7423**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0475	0.0250	0.4176	1.3300e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		138.7377	138.7377	3.0100e-003	3.0200e-003	139.7137
Total	**0.0475**	**0.0250**	**0.4176**	**1.3300e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**138.7377**	**138.7377**	**3.0100e-003**	**3.0200e-003**	**139.7137**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0475	0.0250	0.4176	1.3300e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		138.7377	138.7377	3.0100e-003	3.0200e-003	139.7137
Total	**0.0475**	**0.0250**	**0.4176**	**1.3300e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**138.7377**	**138.7377**	**3.0100e-003**	**3.0200e-003**	**139.7137**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2532	10.6677	3.2575	0.0483	1.7001	0.0654	1.7655	0.4895	0.0625	0.5520		5,180.7853	5,180.7853	0.1099	0.7650	5,411.5123
Worker	1.0982	0.5578	9.6627	0.0316	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,321.5117	3,321.5117	0.0674	0.0700	3,344.0555
Total	**1.3515**	**11.2255**	**12.9202**	**0.0799**	**5.7253**	**0.0827**	**5.8080**	**1.5571**	**0.0785**	**1.6356**		**8,502.2970**	**8,502.2970**	**0.1773**	**0.8350**	**8,755.5678**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2532	10.6677	3.2575	0.0483	1.7001	0.0654	1.7655	0.4895	0.0625	0.5520		5,180.7853	5,180.7853	0.1099	0.7650	5,411.5123
Worker	1.0982	0.5578	9.6627	0.0316	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,321.5117	3,321.5117	0.0674	0.0700	3,344.0555
Total	**1.3515**	**11.2255**	**12.9202**	**0.0799**	**5.7253**	**0.0827**	**5.8080**	**1.5571**	**0.0785**	**1.6356**		**8,502.2970**	**8,502.2970**	**0.1773**	**0.8350**	**8,755.5678**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2483	10.5924	3.2161	0.0473	1.7002	0.0649	1.7650	0.4895	0.0620	0.5515		5,076.3053	5,076.3053	0.1089	0.7493	5,302.3188
Worker	1.0393	0.5120	9.1820	0.0307	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,251.2637	3,251.2637	0.0618	0.0666	3,272.6600
Total	**1.2876**	**11.1044**	**12.3981**	**0.0780**	**5.7254**	**0.0812**	**5.8066**	**1.5571**	**0.0771**	**1.6342**		**8,327.5689**	**8,327.5689**	**0.1707**	**0.8159**	**8,574.9788**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2483	10.5924	3.2161	0.0473	1.7002	0.0649	1.7650	0.4895	0.0620	0.5515		5,076.3053	5,076.3053	0.1089	0.7493	5,302.3188
Worker	1.0393	0.5120	9.1820	0.0307	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,251.2637	3,251.2637	0.0618	0.0666	3,272.6600
Total	**1.2876**	**11.1044**	**12.3981**	**0.0780**	**5.7254**	**0.0812**	**5.8066**	**1.5571**	**0.0771**	**1.6342**		**8,327.5689**	**8,327.5689**	**0.1707**	**0.8159**	**8,574.9788**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2444	10.5320	3.1858	0.0463	1.7002	0.0644	1.7646	0.4895	0.0616	0.5510		4,975.4213	4,975.4213	0.1082	0.7339	5,196.8403
Worker	0.9846	0.4739	8.7797	0.0299	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		3,188.9885	3,188.9885	0.0569	0.0638	3,209.4244
Total	**1.2291**	**11.0059**	**11.9655**	**0.0762**	**5.7254**	**0.0797**	**5.8051**	**1.5572**	**0.0757**	**1.6328**		**8,164.4098**	**8,164.4098**	**0.1652**	**0.7977**	**8,406.2647**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2444	10.5320	3.1858	0.0463	1.7002	0.0644	1.7646	0.4895	0.0616	0.5510		4,975.4213	4,975.4213	0.1082	0.7339	5,196.8403
Worker	0.9846	0.4739	8.7797	0.0299	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		3,188.9885	3,188.9885	0.0569	0.0638	3,209.4244
Total	**1.2291**	**11.0059**	**11.9655**	**0.0762**	**5.7254**	**0.0797**	**5.8051**	**1.5572**	**0.0757**	**1.6328**		**8,164.4098**	**8,164.4098**	**0.1652**	**0.7977**	**8,406.2647**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2404	10.4132	3.1510	0.0453	1.7002	0.0635	1.7638	0.4895	0.0608	0.5503		4,860.3819	4,860.3819	0.1073	0.7164	5,076.5383
Worker	0.9315	0.4415	8.4301	0.0292	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		3,133.4092	3,133.4092	0.0527	0.0614	3,153.0287
Total	**1.1720**	**10.8546**	**11.5812**	**0.0744**	**5.7255**	**0.0779**	**5.8033**	**1.5572**	**0.0740**	**1.6311**		**7,993.7911**	**7,993.7911**	**0.1600**	**0.7778**	**8,229.5670**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2404	10.4132	3.1510	0.0453	1.7002	0.0635	1.7638	0.4895	0.0608	0.5503		4,860.3819	4,860.3819	0.1073	0.7164	5,076.5383
Worker	0.9315	0.4415	8.4301	0.0292	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		3,133.4092	3,133.4092	0.0527	0.0614	3,153.0287
Total	**1.1720**	**10.8546**	**11.5812**	**0.0744**	**5.7255**	**0.0779**	**5.8033**	**1.5572**	**0.0740**	**1.6311**		**7,993.7911**	**7,993.7911**	**0.1600**	**0.7778**	**8,229.5670**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2375	10.3633	3.1281	0.0444	1.7003	0.0631	1.7633	0.4895	0.0603	0.5498		4,765.9898	4,765.9898	0.1061	0.7020	4,977.8381
Worker	0.8824	0.4143	8.1358	0.0285	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		3,084.8128	3,084.8128	0.0490	0.0594	3,103.7465
Total	**1.1199**	**10.7775**	**11.2639**	**0.0729**	**5.7255**	**0.0765**	**5.8020**	**1.5572**	**0.0727**	**1.6299**		**7,850.8026**	**7,850.8026**	**0.1551**	**0.7614**	**8,081.5846**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2375	10.3633	3.1281	0.0444	1.7003	0.0631	1.7633	0.4895	0.0603	0.5498		4,765.9898	4,765.9898	0.1061	0.7020	4,977.8381
Worker	0.8824	0.4143	8.1358	0.0285	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		3,084.8128	3,084.8128	0.0490	0.0594	3,103.7465
Total	**1.1199**	**10.7775**	**11.2639**	**0.0729**	**5.7255**	**0.0765**	**5.8020**	**1.5572**	**0.0727**	**1.6299**		**7,850.8026**	**7,850.8026**	**0.1551**	**0.7614**	**8,081.5846**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2354	10.3327	3.1139	0.0436	1.7003	0.0628	1.7631	0.4895	0.0600	0.5496		4,683.2719	4,683.2719	0.1052	0.6894	4,891.3371
Worker	0.8334	0.3903	7.8752	0.0280	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		3,041.6858	3,041.6858	0.0456	0.0577	3,060.0273
Total	**1.0688**	**10.7230**	**10.9890**	**0.0716**	**5.7256**	**0.0754**	**5.8009**	**1.5572**	**0.0716**	**1.6288**		**7,724.9577**	**7,724.9577**	**0.1508**	**0.7471**	**7,951.3645**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2354	10.3327	3.1139	0.0436	1.7003	0.0628	1.7631	0.4895	0.0600	0.5496		4,683.2719	4,683.2719	0.1052	0.6894	4,891.3371
Worker	0.8334	0.3903	7.8752	0.0280	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		3,041.6858	3,041.6858	0.0456	0.0577	3,060.0273
Total	**1.0688**	**10.7230**	**10.9890**	**0.0716**	**5.7256**	**0.0754**	**5.8009**	**1.5572**	**0.0716**	**1.6288**		**7,724.9577**	**7,724.9577**	**0.1508**	**0.7471**	**7,951.3645**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0356	0.0188	0.3132	1.0000e-003	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		104.0533	104.0533	2.2600e-003	2.2700e-003	104.7853
Total	**0.0356**	**0.0188**	**0.3132**	**1.0000e-003**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**104.0533**	**104.0533**	**2.2600e-003**	**2.2700e-003**	**104.7853**

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0356	0.0188	0.3132	1.0000e-003	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		104.0533	104.0533	2.2600e-003	2.2700e-003	104.7853
Total	**0.0356**	**0.0188**	**0.3132**	**1.0000e-003**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**104.0533**	**104.0533**	**2.2600e-003**	**2.2700e-003**	**104.7853**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0336	0.0171	0.2958	9.7000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		101.6789	101.6789	2.0600e-003	2.1400e-003	102.3691
Total	**0.0336**	**0.0171**	**0.2958**	**9.7000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**101.6789**	**101.6789**	**2.0600e-003**	**2.1400e-003**	**102.3691**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0336	0.0171	0.2958	9.7000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		101.6789	101.6789	2.0600e-003	2.1400e-003	102.3691
Total	**0.0336**	**0.0171**	**0.2958**	**9.7000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**101.6789**	**101.6789**	**2.0600e-003**	**2.1400e-003**	**102.3691**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2197	0.1116	1.9325	6.3200e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		664.3023	664.3023	0.0135	0.0140	668.8111
Total	**0.2197**	**0.1116**	**1.9325**	**6.3200e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**664.3023**	**664.3023**	**0.0135**	**0.0140**	**668.8111**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2197	0.1116	1.9325	6.3200e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		664.3023	664.3023	0.0135	0.0140	668.8111
Total	**0.2197**	**0.1116**	**1.9325**	**6.3200e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**664.3023**	**664.3023**	**0.0135**	**0.0140**	**668.8111**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2079	0.1024	1.8364	6.1400e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		650.2527	650.2527	0.0124	0.0133	654.5320
Total	**0.2079**	**0.1024**	**1.8364**	**6.1400e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**650.2527**	**650.2527**	**0.0124**	**0.0133**	**654.5320**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2079	0.1024	1.8364	6.1400e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		650.2527	650.2527	0.0124	0.0133	654.5320
Total	**0.2079**	**0.1024**	**1.8364**	**6.1400e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**650.2527**	**650.2527**	**0.0124**	**0.0133**	**654.5320**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1969	0.0948	1.7559	5.9800e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		637.7977	637.7977	0.0114	0.0128	641.8849
Total	**0.1969**	**0.0948**	**1.7559**	**5.9800e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**637.7977**	**637.7977**	**0.0114**	**0.0128**	**641.8849**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1969	0.0948	1.7559	5.9800e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		637.7977	637.7977	0.0114	0.0128	641.8849
Total	**0.1969**	**0.0948**	**1.7559**	**5.9800e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**637.7977**	**637.7977**	**0.0114**	**0.0128**	**641.8849**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1863	0.0883	1.6860	5.8400e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		626.6819	626.6819	0.0105	0.0123	630.6057
Total	**0.1863**	**0.0883**	**1.6860**	**5.8400e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**626.6819**	**626.6819**	**0.0105**	**0.0123**	**630.6057**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1863	0.0883	1.6860	5.8400e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		626.6819	626.6819	0.0105	0.0123	630.6057
Total	**0.1863**	**0.0883**	**1.6860**	**5.8400e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**626.6819**	**626.6819**	**0.0105**	**0.0123**	**630.6057**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1765	0.0829	1.6272	5.7100e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		616.9626	616.9626	9.7900e-003	0.0119	620.7493
Total	**0.1765**	**0.0829**	**1.6272**	**5.7100e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**616.9626**	**616.9626**	**9.7900e-003**	**0.0119**	**620.7493**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1765	0.0829	1.6272	5.7100e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		616.9626	616.9626	9.7900e-003	0.0119	620.7493
Total	**0.1765**	**0.0829**	**1.6272**	**5.7100e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**616.9626**	**616.9626**	**9.7900e-003**	**0.0119**	**620.7493**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0781	1.5750	5.5900e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		608.3372	608.3372	9.1200e-003	0.0115	612.0055
Total	**0.1667**	**0.0781**	**1.5750**	**5.5900e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**608.3372**	**608.3372**	**9.1200e-003**	**0.0115**	**612.0055**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0781	1.5750	5.5900e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		608.3372	608.3372	9.1200e-003	0.0115	612.0055
Total	**0.1667**	**0.0781**	**1.5750**	**5.5900e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**608.3372**	**608.3372**	**9.1200e-003**	**0.0115**	**612.0055**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1580	0.0742	1.5307	5.4900e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		600.8135	600.8135	8.5400e-003	0.0113	604.3846
Total	**0.1580**	**0.0742**	**1.5307**	**5.4900e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**600.8135**	**600.8135**	**8.5400e-003**	**0.0113**	**604.3846**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1580	0.0742	1.5307	5.4900e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		600.8135	600.8135	8.5400e-003	0.0113	604.3846
Total	**0.1580**	**0.0742**	**1.5307**	**5.4900e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**600.8135**	**600.8135**	**8.5400e-003**	**0.0113**	**604.3846**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	34.4093	31.1997	303.7579	0.6910	89.3735	0.4103	89.7838	23.8067	0.3827	24.1894		75,028.9161	75,028.9161	3.8905	3.0288	76,028.7517
Unmitigated	34.4093	31.1997	303.7579	0.6910	89.3735	0.4103	89.7838	23.8067	0.3827	24.1894		75,028.9161	75,028.9161	3.8905	3.0288	76,028.7517

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Office Park	16,939.05	2,509.49	1162.93	31,638,747	31,638,747
Total	16,939.05	2,509.49	1,162.93	31,638,747	31,638,747

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Office Park	0.555325	0.059694	0.187075	0.120723	0.022002	0.005883	0.011325	0.007301	0.000937	0.000488	0.025751	0.000886	0.002611

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
NaturalGas Unmitigated	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Office Park	87660.2	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Total		**0.9454**	**8.5941**	**7.2191**	**0.0516**		**0.6532**	**0.6532**		**0.6532**	**0.6532**		**10,312.9670**	**10,312.9670**	**0.1977**	**0.1891**	**10,374.2518**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Office Park	87.6602	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Total		**0.9454**	**8.5941**	**7.2191**	**0.0516**		**0.6532**	**0.6532**		**0.6532**	**0.6532**		**10,312.9670**	**10,312.9670**	**0.1977**	**0.1891**	**10,374.2518**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Unmitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

East Lone Tree Specific Plan Project - 100% Employment Alternative

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	1,530.18	1000sqft	87.82	1,530,176.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2032
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage updated to represent total acreage of project site.

Construction Phase - Architectural coating assumed to start two weeks after the initiation of building construction, and last for the same duration.

Demolition - Demolition material amount representative of existing buildings located on parcel 3. Square footage estimated using ArcGIS.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,550.00
tblConstructionPhase	PhaseEndDate	12/26/2031	1/16/2026
tblConstructionPhase	PhaseEndDate	7/25/2031	12/26/2031
tblConstructionPhase	PhaseEndDate	5/28/2032	1/9/2032
tblConstructionPhase	PhaseStartDate	7/26/2031	8/16/2025

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	8/16/2025	1/17/2026
tblConstructionPhase	PhaseStartDate	12/27/2031	1/31/2026
tblLandUse	LandUseSquareFeet	1,530,180.00	1,530,176.00
tblLandUse	LotAcreage	35.13	87.82

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7077	27.2068	20.0483	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,886.0223	3,886.0223	1.1962	9.0400e-003	3,915.0340
2025	2.9503	27.9737	26.7336	0.0633	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,137.2239	6,137.2239	1.9467	3.4800e-003	6,186.9259
2026	13.4434	25.7292	32.4651	0.1135	6.5304	0.6655	7.1958	1.7707	0.6296	2.4003	0.0000	11,731.3507	11,731.3507	0.8182	0.8635	12,009.1218
2027	13.3691	25.5822	31.8837	0.1115	6.5304	0.6638	7.1942	1.7707	0.6281	2.3988	0.0000	11,548.7259	11,548.7259	0.8097	0.8430	11,820.1848
2028	13.3002	25.4625	31.3992	0.1097	6.5305	0.6620	7.1925	1.7707	0.6264	2.3972	0.0000	11,378.4538	11,378.4538	0.8025	0.8237	11,643.9796
2029	13.2329	25.2894	30.9666	0.1078	6.5305	0.6600	7.1905	1.7707	0.6245	2.3953	0.0000	11,201.3559	11,201.3559	0.7959	0.8028	11,460.4795
2030	13.0728	20.3726	30.6691	0.1102	6.5306	0.2478	6.7784	1.7707	0.2438	2.0145	0.0000	11,393.7142	11,393.7142	0.3010	0.7856	11,635.3562
2031	13.0120	20.3055	30.3567	0.1088	6.5306	0.2465	6.7771	1.7707	0.2426	2.0133	0.0000	11,262.7327	11,262.7327	0.2955	0.7706	11,499.7659
2032	10.5929	0.9476	3.2848	8.0700e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	839.9116	839.9116	0.0213	0.0129	844.2984
Maximum	**13.4434**	**27.9737**	**32.4651**	**0.1135**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**11,731.3507**	**11,731.3507**	**1.9467**	**0.8635**	**12,009.1218**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7077	27.2068	20.0483	0.0402	19.8049	1.2301	21.0349	10.1417	1.1316	11.2733	0.0000	3,886.0223	3,886.0223	1.1962	9.0400e-003	3,915.0340
2025	2.9503	27.9737	26.7336	0.0633	19.8049	1.1316	20.8923	10.1417	1.0411	11.1421	0.0000	6,137.2239	6,137.2239	1.9467	3.4800e-003	6,186.9259
2026	13.4434	25.7292	32.4651	0.1135	6.5304	0.6655	7.1958	1.7707	0.6296	2.4003	0.0000	11,731.3507	11,731.3507	0.8182	0.8635	12,009.1218
2027	13.3691	25.5822	31.8837	0.1115	6.5304	0.6638	7.1942	1.7707	0.6281	2.3988	0.0000	11,548.7259	11,548.7259	0.8097	0.8430	11,820.1848
2028	13.3002	25.4625	31.3992	0.1097	6.5305	0.6620	7.1925	1.7707	0.6264	2.3972	0.0000	11,378.4538	11,378.4538	0.8025	0.8237	11,643.9796
2029	13.2329	25.2894	30.9666	0.1078	6.5305	0.6600	7.1905	1.7707	0.6245	2.3953	0.0000	11,201.3559	11,201.3559	0.7959	0.8028	11,460.4795
2030	13.0728	20.3726	30.6691	0.1102	6.5306	0.2478	6.7784	1.7707	0.2438	2.0145	0.0000	11,393.7142	11,393.7142	0.3010	0.7856	11,635.3562
2031	13.0120	20.3055	30.3567	0.1088	6.5306	0.2465	6.7771	1.7707	0.2426	2.0133	0.0000	11,262.7327	11,262.7327	0.2955	0.7706	11,499.7659
2032	10.5929	0.9476	3.2848	8.0700e-003	0.8051	0.0227	0.8277	0.2135	0.0225	0.2360	0.0000	839.9116	839.9116	0.0213	0.0129	844.2984
Maximum	**13.4434**	**27.9737**	**32.4651**	**0.1135**	**19.8049**	**1.2301**	**21.0349**	**10.1417**	**1.1316**	**11.2733**	**0.0000**	**11,731.3507**	**11,731.3507**	**1.9467**	**0.8635**	**12,009.1218**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Mobile	30.7342	35.6739	326.1214	0.6529	89.3735	0.4105	89.7840	23.8067	0.3829	24.1895		70,863.7267	70,863.7267	4.3194	3.2990	71,954.8151
Total	**68.8115**	**44.2695**	**333.4959**	**0.7044**	**89.3735**	**1.0642**	**90.4377**	**23.8067**	**1.0366**	**24.8432**		**81,177.0286**	**81,177.0286**	**4.5179**	**3.4881**	**82,329.4234**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Energy	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Mobile	30.7342	35.6739	326.1214	0.6529	89.3735	0.4105	89.7840	23.8067	0.3829	24.1895		70,863.7267	70,863.7267	4.3194	3.2990	71,954.8151
Total	**68.8115**	**44.2695**	**333.4959**	**0.7044**	**89.3735**	**1.0642**	**90.4377**	**23.8067**	**1.0366**	**24.8432**		**81,177.0286**	**81,177.0286**	**4.5179**	**3.4881**	**82,329.4234**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/3/2024	10/18/2024	5	100	
2	Site Preparation	Site Preparation	10/19/2024	1/10/2025	5	60	
3	Grading	Grading	1/11/2025	8/15/2025	5	155	
4	Building Construction	Building Construction	1/17/2026	12/26/2031	5	1550	
5	Paving	Paving	8/16/2025	1/16/2026	5	110	
6	Architectural Coating	Architectural Coating	1/31/2026	1/9/2032	5	1550	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,295,264; Non-Residential Outdoor: 765,088; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	61.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	490.00	251.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2200e-003	0.0844	0.0197	3.6000e-004	0.0107	6.8000e-004	0.0114	2.9200e-003	6.5000e-004	3.5700e-003		39.5265	39.5265	1.3200e-003	6.2600e-003	41.4263
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731
Total	**0.0403**	**0.1100**	**0.3409**	**1.3200e-003**	**0.1339**	**1.2600e-003**	**0.1352**	**0.0356**	**1.1900e-003**	**0.0368**		**138.5996**	**138.5996**	**4.1600e-003**	**9.0400e-003**	**141.3994**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1323	0.0000	0.1323	0.0200	0.0000	0.0200			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.1323**	**0.9602**	**1.0925**	**0.0200**	**0.8922**	**0.9122**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2200e-003	0.0844	0.0197	3.6000e-004	0.0107	6.8000e-004	0.0114	2.9200e-003	6.5000e-004	3.5700e-003		39.5265	39.5265	1.3200e-003	6.2600e-003	41.4263
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731
Total	**0.0403**	**0.1100**	**0.3409**	**1.3200e-003**	**0.1339**	**1.2600e-003**	**0.1352**	**0.0356**	**1.1900e-003**	**0.0368**		**138.5996**	**138.5996**	**4.1600e-003**	**9.0400e-003**	**141.3994**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678
Total	**0.0468**	**0.0308**	**0.3855**	**1.1500e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**118.8877**	**118.8877**	**3.4100e-003**	**3.3400e-003**	**119.9678**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678
Total	**0.0468**	**0.0308**	**0.3855**	**1.1500e-003**	**0.1479**	**7.0000e-004**	**0.1486**	**0.0392**	**6.4000e-004**	**0.0399**		**118.8877**	**118.8877**	**3.4100e-003**	**3.3400e-003**	**119.9678**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580
Total	**0.0441**	**0.0278**	**0.3623**	**1.1100e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**116.0482**	**116.0482**	**3.1000e-003**	**3.1300e-003**	**117.0580**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**19.6570**	**1.0868**	**20.7438**	**10.1025**	**0.9999**	**11.1023**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580
Total	**0.0441**	**0.0278**	**0.3623**	**1.1100e-003**	**0.1479**	**6.7000e-004**	**0.1485**	**0.0392**	**6.2000e-004**	**0.0398**		**116.0482**	**116.0482**	**3.1000e-003**	**3.1300e-003**	**117.0580**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0490	0.0308	0.4025	1.2400e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		128.9424	128.9424	3.4500e-003	3.4800e-003	130.0645
Total	**0.0490**	**0.0308**	**0.4025**	**1.2400e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**128.9424**	**128.9424**	**3.4500e-003**	**3.4800e-003**	**130.0645**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0490	0.0308	0.4025	1.2400e-003	0.1643	7.4000e-004	0.1650	0.0436	6.8000e-004	0.0443		128.9424	128.9424	3.4500e-003	3.4800e-003	130.0645
Total	**0.0490**	**0.0308**	**0.4025**	**1.2400e-003**	**0.1643**	**7.4000e-004**	**0.1650**	**0.0436**	**6.8000e-004**	**0.0443**		**128.9424**	**128.9424**	**3.4500e-003**	**3.4800e-003**	**130.0645**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2431	11.2887	3.3721	0.0483	1.7001	0.0656	1.7657	0.4895	0.0627	0.5522		5,188.6490	5,188.6490	0.1092	0.7669	5,419.9168
Worker	1.1389	0.6878	9.3326	0.0294	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,087.3161	3,087.3161	0.0772	0.0805	3,113.2293
Total	**1.3820**	**11.9764**	**12.7048**	**0.0777**	**5.7253**	**0.0829**	**5.8083**	**1.5571**	**0.0787**	**1.6358**		**8,275.9651**	**8,275.9651**	**0.1865**	**0.8474**	**8,533.1460**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2431	11.2887	3.3721	0.0483	1.7001	0.0656	1.7657	0.4895	0.0627	0.5522		5,188.6490	5,188.6490	0.1092	0.7669	5,419.9168
Worker	1.1389	0.6878	9.3326	0.0294	4.0252	0.0173	4.0426	1.0677	0.0160	1.0836		3,087.3161	3,087.3161	0.0772	0.0805	3,113.2293
Total	**1.3820**	**11.9764**	**12.7048**	**0.0777**	**5.7253**	**0.0829**	**5.8083**	**1.5571**	**0.0787**	**1.6358**		**8,275.9651**	**8,275.9651**	**0.1865**	**0.8474**	**8,533.1460**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2379	11.2095	3.3297	0.0473	1.7002	0.0651	1.7652	0.4895	0.0623	0.5517		5,084.1396	5,084.1396	0.1082	0.7511	5,310.6809
Worker	1.0813	0.6312	8.8835	0.0286	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,022.2199	3,022.2199	0.0710	0.0766	3,046.8116
Total	**1.3192**	**11.8407**	**12.2132**	**0.0759**	**5.7254**	**0.0814**	**5.8068**	**1.5571**	**0.0773**	**1.6344**		**8,106.3595**	**8,106.3595**	**0.1792**	**0.8277**	**8,357.4925**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2379	11.2095	3.3297	0.0473	1.7002	0.0651	1.7652	0.4895	0.0623	0.5517		5,084.1396	5,084.1396	0.1082	0.7511	5,310.6809
Worker	1.0813	0.6312	8.8835	0.0286	4.0252	0.0164	4.0416	1.0677	0.0151	1.0827		3,022.2199	3,022.2199	0.0710	0.0766	3,046.8116
Total	**1.3192**	**11.8407**	**12.2132**	**0.0759**	**5.7254**	**0.0814**	**5.8068**	**1.5571**	**0.0773**	**1.6344**		**8,106.3595**	**8,106.3595**	**0.1792**	**0.8277**	**8,357.4925**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2338	11.1463	3.2987	0.0464	1.7002	0.0646	1.7648	0.4895	0.0618	0.5512		4,983.2097	4,983.2097	0.1075	0.7357	5,205.1457
Worker	1.0273	0.5841	8.5057	0.0278	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		2,964.4347	2,964.4347	0.0656	0.0733	2,987.9200
Total	**1.2611**	**11.7305**	**11.8043**	**0.0742**	**5.7254**	**0.0799**	**5.8053**	**1.5572**	**0.0759**	**1.6330**		**7,947.6444**	**7,947.6444**	**0.1731**	**0.8090**	**8,193.0657**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2338	11.1463	3.2987	0.0464	1.7002	0.0646	1.7648	0.4895	0.0618	0.5512		4,983.2097	4,983.2097	0.1075	0.7357	5,205.1457
Worker	1.0273	0.5841	8.5057	0.0278	4.0252	0.0153	4.0406	1.0677	0.0141	1.0818		2,964.4347	2,964.4347	0.0656	0.0733	2,987.9200
Total	**1.2611**	**11.7305**	**11.8043**	**0.0742**	**5.7254**	**0.0799**	**5.8053**	**1.5572**	**0.0759**	**1.6330**		**7,947.6444**	**7,947.6444**	**0.1731**	**0.8090**	**8,193.0657**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2297	11.0215	3.2630	0.0453	1.7002	0.0637	1.7640	0.4895	0.0609	0.5504		4,868.0880	4,868.0880	0.1066	0.7181	5,084.7509
Worker	0.9746	0.5439	8.1748	0.0271	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		2,912.7879	2,912.7879	0.0608	0.0706	2,935.3322
Total	**1.2043**	**11.5654**	**11.4378**	**0.0724**	**5.7255**	**0.0781**	**5.8035**	**1.5572**	**0.0741**	**1.6313**		**7,780.8759**	**7,780.8759**	**0.1674**	**0.7887**	**8,020.0831**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2297	11.0215	3.2630	0.0453	1.7002	0.0637	1.7640	0.4895	0.0609	0.5504		4,868.0880	4,868.0880	0.1066	0.7181	5,084.7509
Worker	0.9746	0.5439	8.1748	0.0271	4.0252	0.0144	4.0396	1.0677	0.0132	1.0809		2,912.7879	2,912.7879	0.0608	0.0706	2,935.3322
Total	**1.2043**	**11.5654**	**11.4378**	**0.0724**	**5.7255**	**0.0781**	**5.8035**	**1.5572**	**0.0741**	**1.6313**		**7,780.8759**	**7,780.8759**	**0.1674**	**0.7887**	**8,020.0831**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2266	10.9694	3.2393	0.0444	1.7003	0.0632	1.7635	0.4895	0.0605	0.5500		4,773.6316	4,773.6316	0.1054	0.7037	4,985.9783
Worker	0.9259	0.5103	7.8959	0.0265	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		2,867.5732	2,867.5732	0.0566	0.0683	2,889.3269
Total	**1.1524**	**11.4797**	**11.1352**	**0.0710**	**5.7255**	**0.0767**	**5.8022**	**1.5572**	**0.0729**	**1.6301**		**7,641.2048**	**7,641.2048**	**0.1620**	**0.7720**	**7,875.3052**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2266	10.9694	3.2393	0.0444	1.7003	0.0632	1.7635	0.4895	0.0605	0.5500		4,773.6316	4,773.6316	0.1054	0.7037	4,985.9783
Worker	0.9259	0.5103	7.8959	0.0265	4.0252	0.0134	4.0387	1.0677	0.0124	1.0801		2,867.5732	2,867.5732	0.0566	0.0683	2,889.3269
Total	**1.1524**	**11.4797**	**11.1352**	**0.0710**	**5.7255**	**0.0767**	**5.8022**	**1.5572**	**0.0729**	**1.6301**		**7,641.2048**	**7,641.2048**	**0.1620**	**0.7720**	**7,875.3052**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2244	10.9379	3.2246	0.0437	1.7003	0.0629	1.7633	0.4895	0.0602	0.5497		4,690.8629	4,690.8629	0.1045	0.6911	4,899.4204
Worker	0.8770	0.4806	7.6478	0.0260	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		2,827.3958	2,827.3958	0.0528	0.0663	2,848.4665
Total	**1.1013**	**11.4185**	**10.8724**	**0.0697**	**5.7256**	**0.0755**	**5.8011**	**1.5572**	**0.0718**	**1.6290**		**7,518.2587**	**7,518.2587**	**0.1573**	**0.7574**	**7,747.8869**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2244	10.9379	3.2246	0.0437	1.7003	0.0629	1.7633	0.4895	0.0602	0.5497		4,690.8629	4,690.8629	0.1045	0.6911	4,899.4204
Worker	0.8770	0.4806	7.6478	0.0260	4.0252	0.0126	4.0378	1.0677	0.0116	1.0793		2,827.3958	2,827.3958	0.0528	0.0663	2,848.4665
Total	**1.1013**	**11.4185**	**10.8724**	**0.0697**	**5.7256**	**0.0755**	**5.8011**	**1.5572**	**0.0718**	**1.6290**		**7,518.2587**	**7,518.2587**	**0.1573**	**0.7574**	**7,747.8869**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0231	0.3019	9.3000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		96.7068	96.7068	2.5900e-003	2.6100e-003	97.5484
Total	**0.0368**	**0.0231**	**0.3019**	**9.3000e-004**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**96.7068**	**96.7068**	**2.5900e-003**	**2.6100e-003**	**97.5484**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0231	0.3019	9.3000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.1000e-004	0.0332		96.7068	96.7068	2.5900e-003	2.6100e-003	97.5484
Total	**0.0368**	**0.0231**	**0.3019**	**9.3000e-004**	**0.1232**	**5.6000e-004**	**0.1238**	**0.0327**	**5.1000e-004**	**0.0332**		**96.7068**	**96.7068**	**2.5900e-003**	**2.6100e-003**	**97.5484**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0349	0.0211	0.2857	9.0000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		94.5097	94.5097	2.3600e-003	2.4600e-003	95.3029
Total	**0.0349**	**0.0211**	**0.2857**	**9.0000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**94.5097**	**94.5097**	**2.3600e-003**	**2.4600e-003**	**95.3029**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0349	0.0211	0.2857	9.0000e-004	0.1232	5.3000e-004	0.1238	0.0327	4.9000e-004	0.0332		94.5097	94.5097	2.3600e-003	2.4600e-003	95.3029
Total	**0.0349**	**0.0211**	**0.2857**	**9.0000e-004**	**0.1232**	**5.3000e-004**	**0.1238**	**0.0327**	**4.9000e-004**	**0.0332**		**94.5097**	**94.5097**	**2.3600e-003**	**2.4600e-003**	**95.3029**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2278	0.1376	1.8665	5.8800e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		617.4632	617.4632	0.0155	0.0161	622.6459
Total	**0.2278**	**0.1376**	**1.8665**	**5.8800e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**617.4632**	**617.4632**	**0.0155**	**0.0161**	**622.6459**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2278	0.1376	1.8665	5.8800e-003	0.8051	3.4700e-003	0.8085	0.2135	3.1900e-003	0.2167		617.4632	617.4632	0.0155	0.0161	622.6459
Total	**0.2278**	**0.1376**	**1.8665**	**5.8800e-003**	**0.8051**	**3.4700e-003**	**0.8085**	**0.2135**	**3.1900e-003**	**0.2167**		**617.4632**	**617.4632**	**0.0155**	**0.0161**	**622.6459**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2163	0.1262	1.7767	5.7100e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		604.4440	604.4440	0.0142	0.0153	609.3623
Total	**0.2163**	**0.1262**	**1.7767**	**5.7100e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**604.4440**	**604.4440**	**0.0142**	**0.0153**	**609.3623**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2163	0.1262	1.7767	5.7100e-003	0.8051	3.2700e-003	0.8083	0.2135	3.0100e-003	0.2166		604.4440	604.4440	0.0142	0.0153	609.3623
Total	**0.2163**	**0.1262**	**1.7767**	**5.7100e-003**	**0.8051**	**3.2700e-003**	**0.8083**	**0.2135**	**3.0100e-003**	**0.2166**		**604.4440**	**604.4440**	**0.0142**	**0.0153**	**609.3623**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2055	0.1168	1.7011	5.5600e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		592.8870	592.8870	0.0131	0.0147	597.5840
Total	**0.2055**	**0.1168**	**1.7011**	**5.5600e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**592.8870**	**592.8870**	**0.0131**	**0.0147**	**597.5840**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2055	0.1168	1.7011	5.5600e-003	0.8051	3.0600e-003	0.8081	0.2135	2.8200e-003	0.2164		592.8870	592.8870	0.0131	0.0147	597.5840
Total	**0.2055**	**0.1168**	**1.7011**	**5.5600e-003**	**0.8051**	**3.0600e-003**	**0.8081**	**0.2135**	**2.8200e-003**	**0.2164**		**592.8870**	**592.8870**	**0.0131**	**0.0147**	**597.5840**

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1949	0.1088	1.6350	5.4200e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		582.5576	582.5576	0.0122	0.0141	587.0664
Total	**0.1949**	**0.1088**	**1.6350**	**5.4200e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**582.5576**	**582.5576**	**0.0122**	**0.0141**	**587.0664**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**10.4662**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1949	0.1088	1.6350	5.4200e-003	0.8051	2.8700e-003	0.8079	0.2135	2.6400e-003	0.2162		582.5576	582.5576	0.0122	0.0141	587.0664
Total	**0.1949**	**0.1088**	**1.6350**	**5.4200e-003**	**0.8051**	**2.8700e-003**	**0.8079**	**0.2135**	**2.6400e-003**	**0.2162**		**582.5576**	**582.5576**	**0.0122**	**0.0141**	**587.0664**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1852	0.1021	1.5792	5.3000e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		573.5146	573.5146	0.0113	0.0137	577.8654
Total	**0.1852**	**0.1021**	**1.5792**	**5.3000e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**573.5146**	**573.5146**	**0.0113**	**0.0137**	**577.8654**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1852	0.1021	1.5792	5.3000e-003	0.8051	2.6900e-003	0.8077	0.2135	2.4700e-003	0.2160		573.5146	573.5146	0.0113	0.0137	577.8654
Total	**0.1852**	**0.1021**	**1.5792**	**5.3000e-003**	**0.8051**	**2.6900e-003**	**0.8077**	**0.2135**	**2.4700e-003**	**0.2160**		**573.5146**	**573.5146**	**0.0113**	**0.0137**	**577.8654**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1754	0.0961	1.5296	5.2000e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		565.4792	565.4792	0.0106	0.0133	569.6933
Total	**0.1754**	**0.0961**	**1.5296**	**5.2000e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**565.4792**	**565.4792**	**0.0106**	**0.0133**	**569.6933**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1754	0.0961	1.5296	5.2000e-003	0.8051	2.5200e-003	0.8076	0.2135	2.3200e-003	0.2159		565.4792	565.4792	0.0106	0.0133	569.6933
Total	**0.1754**	**0.0961**	**1.5296**	**5.2000e-003**	**0.8051**	**2.5200e-003**	**0.8076**	**0.2135**	**2.3200e-003**	**0.2159**		**565.4792**	**565.4792**	**0.0106**	**0.0133**	**569.6933**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0913	1.4870	5.1000e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		558.4636	558.4636	9.9000e-003	0.0129	562.5656
Total	**0.1667**	**0.0913**	**1.4870**	**5.1000e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**558.4636**	**558.4636**	**9.9000e-003**	**0.0129**	**562.5656**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.2954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**10.4261**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1667	0.0913	1.4870	5.1000e-003	0.8051	2.3600e-003	0.8074	0.2135	2.1800e-003	0.2157		558.4636	558.4636	9.9000e-003	0.0129	562.5656
Total	**0.1667**	**0.0913**	**1.4870**	**5.1000e-003**	**0.8051**	**2.3600e-003**	**0.8074**	**0.2135**	**2.1800e-003**	**0.2157**		**558.4636**	**558.4636**	**9.9000e-003**	**0.0129**	**562.5656**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.7342	35.6739	326.1214	0.6529	89.3735	0.4105	89.7840	23.8067	0.3829	24.1895		70,863.7267	70,863.7267	4.3194	3.2990	71,954.8151
Unmitigated	30.7342	35.6739	326.1214	0.6529	89.3735	0.4105	89.7840	23.8067	0.3829	24.1895		70,863.7267	70,863.7267	4.3194	3.2990	71,954.8151

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Office Park	16,939.05	2,509.49	1162.93	31,638,747	31,638,747
Total	16,939.05	2,509.49	1,162.93	31,638,747	31,638,747

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Office Park	0.555325	0.059694	0.187075	0.120723	0.022002	0.005883	0.011325	0.007301	0.000937	0.000488	0.025751	0.000886	0.002611

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
NaturalGas Unmitigated	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Office Park	87660.2	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Total		**0.9454**	**8.5941**	**7.2191**	**0.0516**		**0.6532**	**0.6532**		**0.6532**	**0.6532**		**10,312.9670**	**10,312.9670**	**0.1977**	**0.1891**	**10,374.2518**

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Office Park	87.6602	0.9454	8.5941	7.2191	0.0516		0.6532	0.6532		0.6532	0.6532		10,312.9670	10,312.9670	0.1977	0.1891	10,374.2518
Total		**0.9454**	**8.5941**	**7.2191**	**0.0516**		**0.6532**	**0.6532**		**0.6532**	**0.6532**		**10,312.9670**	**10,312.9670**	**0.1977**	**0.1891**	**10,374.2518**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Unmitigated	37.1320	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.3720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.7458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0142	1.4000e-003	0.1555	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004		0.3349	0.3349	8.6000e-004		0.3565
Total	**37.1320**	**1.4000e-003**	**0.1555**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**		**0.3349**	**0.3349**	**8.6000e-004**		**0.3565**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

East Lone Tree Specific Plan Project - 100% Employment Alternative - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	1.21810E-001	8.11270E-001	1.39907E+000	2.30000E-003	3.16600E-002	3.16600E-002	0.00000E+000	1.97877E+002	1.97877E+002	9.84000E-003	0.00000E+000	1.98123E+002
Concrete/Industrial Saws	1.56400E-002	1.20710E-001	1.82500E-001	3.10000E-004	5.53000E-003	5.53000E-003	0.00000E+000	2.68828E+001	2.68828E+001	1.28000E-003	0.00000E+000	2.69148E+001
Cranes	2.01190E-001	1.62961E+000	1.09096E+000	4.21000E-003	6.71800E-002	6.23200E-002	0.00000E+000	3.66980E+002	3.66980E+002	7.88200E-002	0.00000E+000	3.68950E+002
Excavators	5.29400E-002	3.99780E-001	9.94960E-001	1.58000E-003	1.96500E-002	1.80800E-002	0.00000E+000	1.38429E+002	1.38429E+002	4.47700E-002	0.00000E+000	1.39549E+002
Forklifts	2.03540E-001	1.64591E+000	2.68183E+000	3.83000E-003	7.29000E-002	6.74800E-002	0.00000E+000	3.33683E+002	3.33683E+002	7.27100E-002	0.00000E+000	3.35501E+002
Generator Sets	1.87970E-001	1.70285E+000	2.82985E+000	5.10000E-003	5.88400E-002	5.88400E-002	0.00000E+000	4.38036E+002	4.38036E+002	1.49000E-002	0.00000E+000	4.38408E+002
Graders	2.41100E-002	2.67890E-001	1.23540E-001	5.10000E-004	8.62000E-003	7.93000E-003	0.00000E+000	4.50132E+001	4.50132E+001	1.45600E-002	0.00000E+000	4.53772E+001
Pavers	1.91200E-002	1.74140E-001	3.18540E-001	5.20000E-004	8.15000E-003	7.50000E-003	0.00000E+000	4.54039E+001	4.54039E+001	1.46800E-002	0.00000E+000	4.57710E+001
Paving Equipment	1.61500E-002	1.39120E-001	2.80110E-001	4.50000E-004	6.88000E-003	6.33000E-003	0.00000E+000	3.93491E+001	3.93491E+001	1.27300E-002	0.00000E+000	3.96672E+001
Rollers	1.50600E-002	1.58730E-001	2.03140E-001	2.90000E-004	7.98000E-003	7.34000E-003	0.00000E+000	2.53529E+001	2.53529E+001	8.20000E-003	0.00000E+000	2.55579E+001
Rubber Tired Dozers	1.81720E-001	1.86221E+000	8.25630E-001	2.28000E-003	8.31300E-002	7.64800E-002	0.00000E+000	2.00683E+002	2.00683E+002	6.49100E-002	0.00000E+000	2.02306E+002
Scrapers	1.04130E-001	9.87470E-001	8.33990E-001	2.35000E-003	3.88700E-002	3.57600E-002	0.00000E+000	2.06442E+002	2.06442E+002	6.67700E-002	0.00000E+000	2.08111E+002
Tractors/Loaders/Backhoes	3.33640E-001	2.88580E+000	5.22847E+000	7.67000E-003	1.02300E-001	9.51500E-002	0.00000E+000	6.68428E+002	6.68428E+002	1.53680E-001	0.00000E+000	6.72270E+002
Welders	1.55840E-001	1.00191E+000	1.26705E+000	1.98000E-003	2.53400E-002	2.53400E-002	0.00000E+000	1.45871E+002	1.45871E+002	1.26600E-002	0.00000E+000	1.46187E+002

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.21810E-001	8.11270E-001	1.39907E+000	2.30000E-003	3.16600E-002	3.16600E-002	0.00000E+000	1.97877E+002	1.97877E+002	9.84000E-003	0.00000E+000	1.98123E+002
Concrete/Industrial Saws	1.56400E-002	1.20710E-001	1.82500E-001	3.10000E-004	5.53000E-003	5.53000E-003	0.00000E+000	2.68828E+001	2.68828E+001	1.28000E-003	0.00000E+000	2.69147E+001
Cranes	2.01190E-001	1.62961E+000	1.09096E+000	4.21000E-003	6.71800E-002	6.23200E-002	0.00000E+000	3.66979E+002	3.66979E+002	7.88200E-002	0.00000E+000	3.68950E+002
Excavators	5.29400E-002	3.99780E-001	9.94960E-001	1.58000E-003	1.96500E-002	1.80800E-002	0.00000E+000	1.38429E+002	1.38429E+002	4.47700E-002	0.00000E+000	1.39548E+002
Forklifts	2.03540E-001	1.64591E+000	2.68182E+000	3.83000E-003	7.29000E-002	6.74800E-002	0.00000E+000	3.33683E+002	3.33683E+002	7.27100E-002	0.00000E+000	3.35500E+002
Generator Sets	1.87970E-001	1.70284E+000	2.82985E+000	5.10000E-003	5.88400E-002	5.88400E-002	0.00000E+000	4.38035E+002	4.38035E+002	1.49000E-002	0.00000E+000	4.38408E+002
Graders	2.41100E-002	2.67890E-001	1.23540E-001	5.10000E-004	8.62000E-003	7.93000E-003	0.00000E+000	4.50132E+001	4.50132E+001	1.45600E-002	0.00000E+000	4.53771E+001
Pavers	1.91200E-002	1.74140E-001	3.18530E-001	5.20000E-004	8.15000E-003	7.50000E-003	0.00000E+000	4.54039E+001	4.54039E+001	1.46800E-002	0.00000E+000	4.57710E+001
Paving Equipment	1.61500E-002	1.39120E-001	2.80110E-001	4.50000E-004	6.88000E-003	6.33000E-003	0.00000E+000	3.93490E+001	3.93490E+001	1.27300E-002	0.00000E+000	3.96672E+001
Rollers	1.50600E-002	1.58730E-001	2.03140E-001	2.90000E-004	7.98000E-003	7.34000E-003	0.00000E+000	2.53529E+001	2.53529E+001	8.20000E-003	0.00000E+000	2.55579E+001
Rubber Tired Dozers	1.81720E-001	1.86221E+000	8.25630E-001	2.28000E-003	8.31300E-002	7.64800E-002	0.00000E+000	2.00683E+002	2.00683E+002	6.49000E-002	0.00000E+000	2.02306E+002
Scrapers	1.04130E-001	9.87470E-001	8.33990E-001	2.35000E-003	3.88700E-002	3.57600E-002	0.00000E+000	2.06441E+002	2.06441E+002	6.67700E-002	0.00000E+000	2.08110E+002
Tractors/Loaders/Backhoes	3.33640E-001	2.88579E+000	5.22846E+000	7.67000E-003	1.02300E-001	9.51500E-002	0.00000E+000	6.68427E+002	6.68427E+002	1.53680E-001	0.00000E+000	6.72269E+002
Welders	1.55840E-001	1.00191E+000	1.26705E+000	1.98000E-003	2.53400E-002	2.53400E-002	0.00000E+000	1.45871E+002	1.45871E+002	1.26600E-002	0.00000E+000	1.46187E+002

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21287E-006	1.21287E-006	0.00000E+000	0.00000E+000	1.21137E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.48794E-006	1.48794E-006	0.00000E+000	0.00000E+000	1.48617E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19898E-006	1.19898E-006	0.00000E+000	0.00000E+000	1.19257E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22806E-006	1.22806E-006	0.00000E+000	0.00000E+000	1.21821E-006
Forklifts	0.00000E+000	0.00000E+000	3.72880E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19874E-006	1.19874E-006	0.00000E+000	0.00000E+000	1.19225E-006
Generator Sets	0.00000E+000	5.87251E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18712E-006	1.18712E-006	0.00000E+000	0.00000E+000	1.18611E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11079E-006	1.11079E-006	0.00000E+000	0.00000E+000	1.10188E-006
Pavers	0.00000E+000	0.00000E+000	3.13932E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10123E-006	1.10123E-006	0.00000E+000	0.00000E+000	1.31087E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.27068E-006	1.27068E-006	0.00000E+000	0.00000E+000	1.26049E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18330E-006	1.18330E-006	0.00000E+000	0.00000E+000	1.17380E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19591E-006	1.19591E-006	1.54059E-004	0.00000E+000	1.23575E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16256E-006	1.16256E-006	0.00000E+000	0.00000E+000	1.20128E-006
Tractors/Loaders/Backhoes	0.00000E+000	3.46524E-006	1.91261E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18188E-006	1.18188E-006	0.00000E+000	0.00000E+000	1.19000E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23397E-006	1.23397E-006	0.00000E+000	0.00000E+000	1.16289E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.60	0.16	0.60	0.16	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	4.28	1.17	4.28	1.17	0.00	0.00
Demolition	Fugitive Dust	0.01	0.00	0.01	0.00	0.00	0.00
Demolition	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Grading	Fugitive Dust	0.71	0.28	0.71	0.28	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.64	0.31	0.64	0.31	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	3.91	0.02	0.10	1.94
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	0.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	

East Lone Tree Specific Plan Project - 100% Employment Alternative

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Appendix C

East Lone Tree Specific Plan Supplemental EIR

Transportation Impact Analysis

Prepared for:
City of Antioch
Raney Planning and Management

June 2023

WC23-3955

FEHR PEERS

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1. Introduction

This report presents the results of the transportation analysis conducted to evaluate the potential impacts of amendments to the East Lone Tree Specific Plan the City of Antioch, California. The *East Lone Tree Specific Plan* (ELS/Elbasani & Logan, Adopted March 1996, Amended July 2005) envisioned a mix of residential, employment, and retail uses on a contiguous 785-acre site in southeast Antioch. Draft and Final Environmental Impact Reports (*Draft and Final EIR Future Urbanization Area #2 Specific Plan Antioch, California*, Mundie & Associates and City of Antioch, August 25, 1995) were prepared and approved for the Specific Plan. The current proposed amendments to the Specific Plan would modify the approval process for commercial development on the remaining undeveloped parcels to not require a planned development rezoning. As the Specific Plan's environmental documentation was prepared and approved prior to the adoption of Senate Bill 743 (SB 743) the project's potential impacts related to Vehicle Miles Traveled (VMT) were not previously assessed. Thus, this analysis focuses on evaluating the effects of the Specific Plan amendments on VMT.

1.1 Purpose

The purpose of this document is to summarize the effects of the project on the transportation network. The California Environmental Quality Act (CEQA) Guidelines were updated in 2020 per SB 743 to require the use of VMT to evaluate a project's environmental effect on the transportation system. The passage of SB 743 includes elimination of automobile delay, Level of Service (LOS), and other similar measures of vehicular capacity or traffic congestion as a basis for determining a project's significant impacts to the transportation system. This report summarizes the project's effects on VMT for CEQA purposes.

1.2 Project Description

The East Lone Tree Specific Plan Area is a contiguous 785-acre site in southeast Antioch bounded by Lone Tree Way to the south, Empire Avenue and the Union Pacific Railroad to the east, the Contra Costa Canal to the north and residential subdivisions to the west (see **Figure 1**). The Specific Plan's approved land uses included 1,322 residential units, 122 acres dedicated to employment (general office or light industrial), 96.5 acres of commercial/retail space and 196 acres of public services, parks, and open spaces. While the plan was developed prior to the construction of the State Route 4 (SR 4) bypass, it planned for and incorporated the new freeway within its land plan. The areas west of SR 4 were largely planned to be residential land uses with the areas to the east being planned for commercial and employment uses.

At this time most of the residential and commercial uses within the Specific Plan area have been constructed and are currently occupied. The SR 4 bypass has been constructed along with most of the

infrastructure envisioned in the plan, although Slatten Ranch Road has not yet been extended its entire length from Lone Tree Way to Laurel Road. Four parcels zoned for regional retail/employment on the east side of the Specific Plan area between SR 4 and the railroad tracks have not yet been developed and are largely the focus of this assessment. These parcels are 87.8 acres in total size and have a potential gross development area of 1.5 million square feet based on the parcel sizes and plan allowable floor area ratios. **Figure 2** illustrates the locations of the four subject parcels.

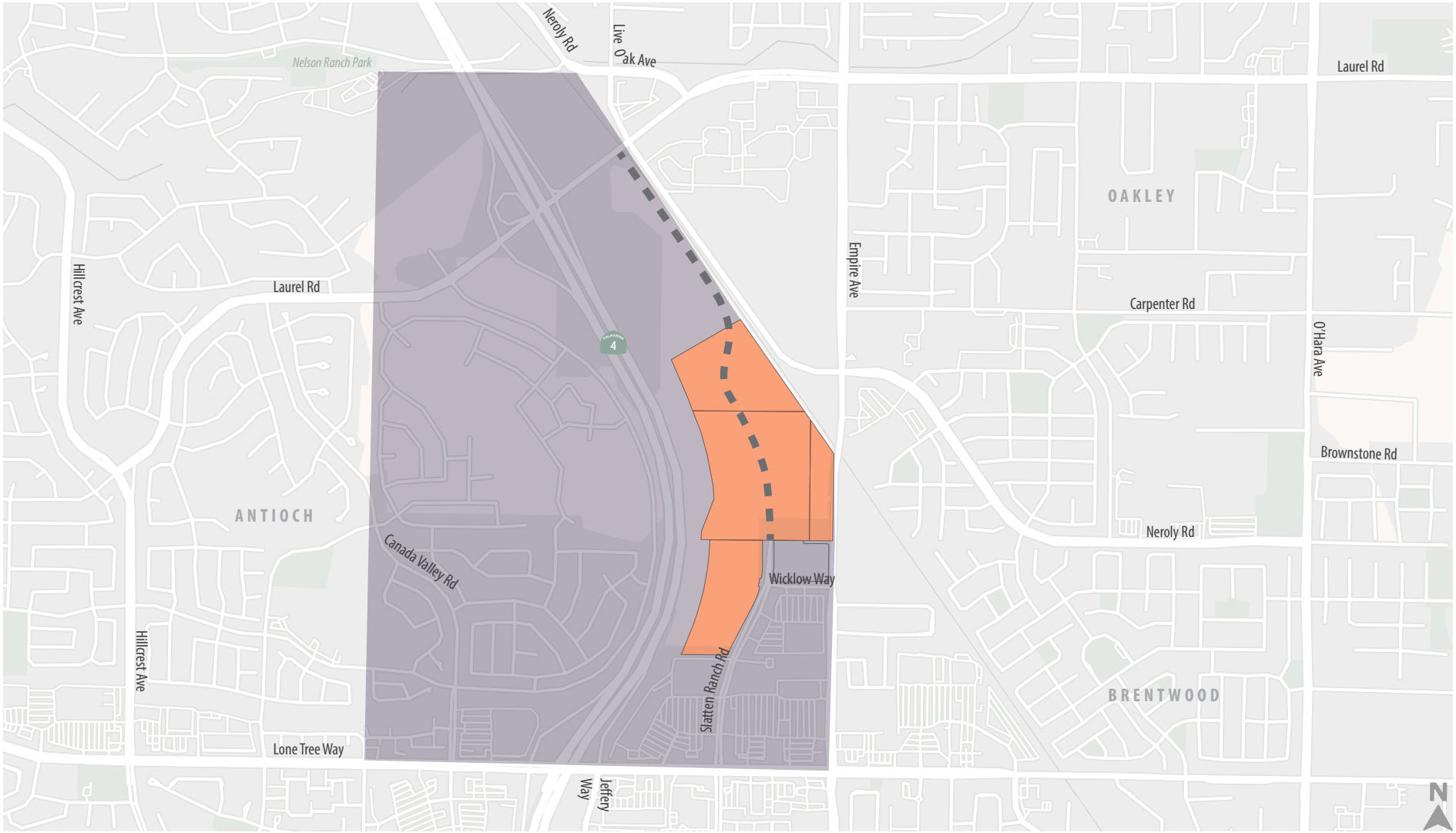


Figure 1

Study Area

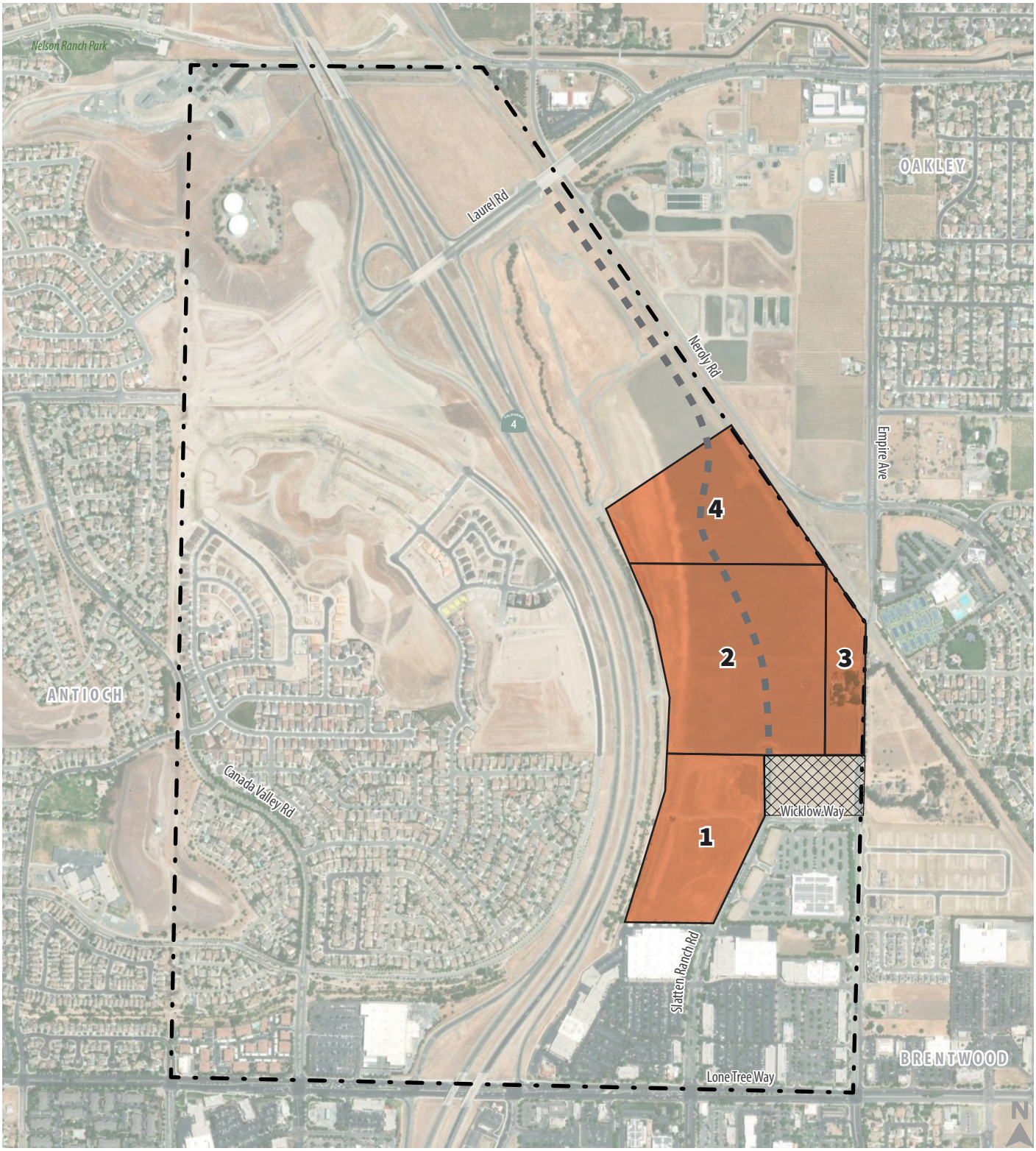


Figure 2

Specific Plan Development Parcels

WC23-3955_2_SPLUmap

2. Analysis Approach

The California Environmental Quality Act Guidelines were updated in December 2019 per Senate Bill 743 to remove Level of Service from CEQA analysis and require the use of Vehicle Miles Traveled to evaluate a project's environmental impact on the transportation system. VMT measures the amount of driving generated by the project and thereby the effects on the environment from those miles traveled. SB 743 changes the focus of transportation impact analysis in CEQA from measuring *impacts on drivers* to measuring the *environmental impact of driving*.

The relevant CEQA Guidelines Appendix G Transportation Section checklist questions are:

Would the project:

a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Transit System - The project would create a significant impact related to transit service if the following criteria is met:

1. The project interferes with existing transit facilities or precludes the construction of planned transit facilities.

Bicycle System - The project would create a significant impact related to the bicycle system if any of the following criteria are met:

1. Disrupt existing bicycle facilities; or
2. Interfere with planned bicycle facilities; or
3. Create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.

Pedestrian System - The project would create a significant impact related to the pedestrian system if any of the following criteria are met:

1. Disrupt existing pedestrian facilities; or
2. Interfere with planned pedestrian facilities; or
3. Create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

b. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

d. Result in inadequate emergency access?

Criterion B is the formal implementation of the SB 743 requirement to analyze VMT as part of the CEQA Transportation section. Under SB 743, congestion-related project effects (such as those measured by LOS or similar metrics) are deemed an unsuitable basis on which to determine a significant environmental effect. The relevant subsection of CEQA Guidelines section 15064.3(b) for the project reads as follows:

(1) **Land Use Projects.** Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

(2) **Transportation Projects.** Transportation projects that reduce, or have no impact on, vehicle miles traveled should be presumed to cause a less than significant transportation impact. For roadway capacity projects, agencies have discretion to determine the appropriate measure of transportation impact consistent with CEQA and other applicable requirements. To the extent that such impacts have already been adequately addressed at a programmatic level, such as in a regional transportation plan EIR, a lead agency may tier from that analysis as provided in Section 15152.

(3) **Qualitative Analysis.** If existing models or methods are not available to estimate the vehicle miles traveled for the particular project being considered, a lead agency may analyze the project's vehicle miles traveled qualitatively. Such a qualitative analysis would evaluate factors such as the availability of transit, proximity to other destinations, etc. for many projects, a qualitative analysis of construction traffic may be appropriate.

(4) **Methodology.** A lead agency has discretion to choose the most appropriate methodology to evaluate a project's vehicle miles traveled, including whether to express the change in absolute terms, per capita, per household or in any other measure. A lead agency may use models to estimate a project's vehicle miles traveled and may revise those estimates to reflect professional judgment based on substantial evidence. Any assumptions used to estimate vehicle miles traveled and any revisions to model outputs should be documented and explained in the environmental document prepared for the project. The standard of adequacy in Section 15151 shall apply to the analysis described in this section.

As noted in subsection (4), the City of Antioch, using its discretion as lead agency, has the ability to select the methodology and CEQA significance criteria for use in the CEQA Transportation section. At this time, the City of Antioch has not yet formally adopted locally applicable CEQA metrics, methodologies, or significance criteria. For the purpose of this study, the VMT methodology and significance thresholds adopted by the Contra Costa Transportation Authority (CCTA) in July 2020 and summarized in the *Contra Costa County Transportation Authority Growth Management Program Implementation Guide* (February 2021) were used.

2.1 VMT Methodology

CCTA requires that VMT analysis be prepared using the Regional Travel Behavior Model (CCTA Model). The following describes the specific CCTA VMT metrics and significance thresholds that should be used in evaluating different project types:

- Residential Projects should use the home-based VMT per capita metric to evaluate their project generated VMT. The project generated home-based VMT per resident constitutes a significant impact if it is higher than 85% of the home-based VMT per resident in the subject municipality or unincorporated Authority subregion (for areas outside of municipalities) or 85% of the existing county-wide average home-based VMT per resident, whichever is less stringent.
- Employment-Generating Projects should use the home-work VMT per worker metric for their project generated VMT estimates. The project generated home-work WMT per worker constitutes a significant impact if it is higher than 85% of the home-work VMT per worker in the subject municipality or unincorporated Authority subregion (for areas outside of municipalities) or 85% of the existing Bay Area region-wide average home-work VMT per worker, whichever is less stringent.
- Other Uses and Projects need to be analyzed using a methodology developed by the lead agency specifically for the project, taking into account the specific methodologies and thresholds identified in Approval of the Vehicle Miles Traveled Analysis Methodology for Land Use Projects in the Growth Management Program, CCTA, July 15, 2020.
- Mixed-Use Projects may be analyzed using a combination of techniques.

Project generated VMT should be measured by calculating the appropriate VMT metric (home-based, home-work, total) generated by project Traffic Analysis Zones (TAZ) within the model and normalizing the metric by population to reflect that there are different populations in each TAZ.

CCTA guidance defines the following criteria that lead agencies can apply to screen projects out of conducting project-level VMT analysis:

- CEQA Exemption – Any project that is exempt from CEQA is not required to conduct a VMT analysis.
- Small projects – Small projects can be presumed to cause a less-than-significant VMT impact. Small projects are defined as having 10,000 square feet or less of non-residential space or 20 residential units or less, or otherwise generating less than 836 VMT per day.
- Local-Serving Uses – Projects that consist of Local-Serving Uses can generally be presumed to have a less-than-significant impact absent substantial evidence to the contrary, since these types of projects will primarily draw users and customers from a relatively small geographic area that will lead to short-distance trips and trips that are linked to other destinations.
- Projects Located in Transit Priority Areas (TPAs) – Projects located within a TPA can be presumed to have a less-than-significant impact absent substantial evidence to the contrary.
- Projects located in Low VMT Areas – residential and employment-generating projects located within a low VMT-generating area can be presumed to have a less-than-significant impact absent substantial evidence to the contrary. A Low VMT area is defined as follows:
    - For housing projects: Cities, towns and unincorporated portions within Contra Costa that have existing home-based VMT per capita that is 85% or less of the existing county-wide average.
    - For employment-generating projects: Cities, towns, and unincorporated portions within Contra Costa that have existing home-work VMT per worker that is 85% or less of the existing regional average.

2.1.1 Cumulative Analysis

The cumulative analysis of a project involves understanding the project's effect on overall VMT within its study area. This analysis is needed to address circumstances where an individual project might affect travel patterns from other developments in the broader area; this might happen for a variety of reasons, such as that the project offers different housing, employment or other opportunities than would otherwise exist in the area and that causes other users to change their travel decisions, or because the drivers and transit users generated by the project take up available system capacity and cause other users to change their travel routes or modes.

The project's effect on VMT should be measured by defining a VMT study area and calculating the total VMT occurring on all network links inside that study area, in both the cumulative without project and cumulative with project scenarios. To allow for a reasonable comparison between those two scenarios, the total study area VMT should be normalized in some fashion to reflect that there are different numbers of people within the study area (i.e., because the project has added people to the study area as compared to the without project scenario). If the project adds residents to the study area, then it would be reasonable

to present the VMT results as total study area VMT divided by number of study area residents. If the project adds employees to the study area, then it would be reasonable to use total study area VMT divided by number of study area employees. The exact method for normalizing the VMT number is not critical; what is essential is that the same method be used for both the cumulative without project and the cumulative with project scenarios, to allow for a direct comparison.

Cumulative Threshold. Cumulative VMT impacts should be considered significant if there is a net increase in the total study area VMT normalized to the number of people within the study area, when comparing cumulative no project to cumulative plus project conditions.

2.1.2 Specific Plan Assessment

The proposed Project is an amendment to an approved Specific Plan. The amendments under consideration would allow for the development of up to 1.5 million square feet of retail and/or employment uses on four parcels totaling 88 acres in size. As the Project is a Specific Plan amendment which focuses on the long-range development of parcels within the city, the analysis evaluates the potential transportation outcomes within the Cumulative scenario. Specifically, VMT calculations were prepared for the following scenarios:

- **Baseline No Project:** VMT was calculated using the year 2023 CCTA Model.
- **Cumulative No Project:** VMT was calculated using the year 2040 CCTA Model
- **Cumulative Plus Project:** VMT was calculated using the year 2040 CCTA Model with the Project land use added into transportation analysis zone (TAZ) 30691.[1]

The CCTA Model was used to assess the Project effects on VMT. The CCTA Model assigns all predicted trips within, across, or to or from the nine-county San Francisco Bay Area region onto the roadway network and the transit system by mode (single-driver and carpool vehicle, biking, walking, or transit) and transit carrier (bus, rail) for a particular scenario.

Impacts under Cumulative conditions are identified based on the Project's effect on total VMT per service population. The normalized total VMT on all roadways within a study area is compared between Cumulative without Project and Cumulative with Project conditions. The project would result in a significant impact under Cumulative conditions if the Cumulative with Project total VMT per service population is greater than the Cumulative without Project total VMT per service population.

[1] The CCTA Model area is divided into geographic sub-areas called traffic analysis zones (TAZs). TAZs are used in the CCTA Model to connect the land uses to the roadway network. Each TAZ includes land use information for that geographic sub-area within the model. The Project is located in TAZ 30691.

In addition to the Project's effect on total VMT per service population, the total home-based work VMT per employee is also calculated and compared to the Countywide and regionwide averages. This metric provides information relative to the VMT efficiency of locating retail and employment uses in the Specific Plan area.

3. Setting

This section describes the existing multi-modal transportation system in the study area, including the street system, public transit service, and bicycle and pedestrian facilities. This section also outlines the regulatory setting which includes applicable plans and policies from the City of Antioch General Plan, CCTA, and Caltrans.

3.1 Existing Transportation System

3.1.1 Vehicle Roadway System

Direct vehicular access to the Specific Plan parcels is provided via Lone Tree Way, Empire Ave, Slatten Ranch Road, and Wicklow Way. Regional access is provided via State Route 4.

Routes of regional significance designated by the Contra Costa County Transportation Agency within the vehicle roadway system are noted below. Routes of regional significance are roadways that connect two or more subareas of Contra Costa, cross county boundaries, carry significant through traffic, and/or provide access to a regional highway or transit facility.

3.1.1.1 State Highways

State Route 4 (SR-4) is an east-west freeway that extends from the City of Hercules in the west to the City of Stockton and beyond in the east. SR-4 connects the Project site with Oakley, Brentwood, Pittsburg, I-680, Martinez, Pinole, and I-80. In the study area, SR-4 has a northwest/southeast orientation between SR-160 and Walnut Boulevard in east Contra Costa County. It is a six-lane freeway from I-680 to Laurel Road and a four-lane freeway from Laurel Road to Balfour Road. SR-4 transitions to a two-lane highway at Balfour Road. Access to the Project site is provided via ramp terminals at Laurel Road and Lone Tree Way. SR-4 is a designated route of regional significance by the Contra Costa Transportation Authority (CCTA). The posted speed limit near the Project site is 65 miles per hour. The annual average daily traffic on SR-4 north of Lone Tree Way was 142,400 in 2019.

State Route 160 (SR-160) is a north-south freeway that extends from SR-4 to north over the San Joaquin River via the Antioch Bridge. SR-160 connects the study area with Rio Vista and Sacramento. It is a two-lane highway from SR-4 to the Antioch Bridge and transitions to a one-lane highway at the Antioch Bridge. Access to the Project site is provided via SR-4. SR-160 between SR-4 and the Antioch Bridge is a designated route of regional significance by the Contra Costa Transportation Authority (CCTA). The posted speed limit near the Project site is 65 miles per hour. The annual average daily traffic on SR-160 north of Wilbur Avenue was 55,000 in 2019.

3.1.1.2 Arterials and Collectors

Arterials are major streets carrying the traffic of local and collector streets to and from freeways and other major streets, with controlled intersections and generally providing direct access to properties. Primary arterials provide access to Pittsburg to the west, Oakley, and Brentwood to the east, and rural Contra Costa County to the south. Collectors are streets for traffic moving between arterial and local streets, generally providing direct access to properties. Local streets provide direct access to properties and are often designed to discourage through traffic.

Key roadways providing access to the study area include the following:

- ***Lone Tree Way*** is an east-west three-lane arterial that extends from SR-4 in north Antioch to the City of Brentwood. Lone Tree way has a north-south orientation between SR-4 and Dallas Ranch Road and transitions to an east-west orientation east of Dallas Ranch Road. Lone Tree Way connects the development parcels to SR-4. Class II and Class III bicycle facilities exist along Lone Tree Way near the Project site. Lone Tree Way is a designated route of regional significance by the Contra Costa Transportation Authority. The posted speed limit near the Project site is 45 miles per hour.
- ***Empire Avenue*** is a north-south two-lane arterial that extends from Shady Willow Lane in the City of Brentwood to Main Street in the City of Oakley. Empire Avenue connects the Project site to SR-4 via Lone Tree Way. Class II bicycle facilities exist along Empire Avenue near the Project site. Empire Avenue is a designated route of regional significance by the Contra Costa Transportation Authority. The posted speed limit near the Project site is 35 miles per hour.
- ***Laurel Road*** is a northeast-southwest three-lane arterial that extends from Hillcrest Avenue in the City of Antioch to Main Street in the City of Oakley. Laurel Road connects the Project site to SR-4. It is a designated route of regional significance by the Contra Costa County Transportation Authority. The posted speed limit near the Project site is 45 miles per hour.
- ***Slatten Ranch Road*** is a north-south two-lane local roadway that extends from Lone Tree Way to the Project site. Buildout of the Specific Plan would include the extension of the roadway from its current terminus north to connect with Laurel Road. Slatten Ranch Road connects the Project site to restaurants and retail stores at its intersection with Lone Tree Way. It also connects the Project site to SR-4 via Lone Tree Way and via Laurel Road in the future with the proposed roadway extension. Class II bicycle facilities exist along Slatten Ranch Road. The posted speed limit near the Project site is 35 miles per hour.
- ***Wicklow Way*** is an east-west two-lane local roadway that extends from Slatten Ranch Road to Empire Ave. Wicklow Way connects the Project site to Empire Avenue via Slatten Ranch Road. Class II bicycle facilities exist along Wicklow Way. The posted speed limit on Wicklow Way is 25 miles per hour.

3.1.2 Transit Services and Connectivity

Two major public mass transit operators provide service within or adjacent to the study area, including Bay Area Rapid Transit (BART) and the Eastern Contra Costa Transit Authority (Tri Delta Transit). Amtrak also serves the city.

3.1.2.1 BART

Bay Area Rapid Transit (BART) provides fixed rail transit to Eastern Contra Costa County and regional connections to most of the Bay Area. BART runs from the North Bay Area in Richmond to the South Bay Area in Fremont. In the east-west direction BART runs from Antioch to the San Francisco Airport and Milbrae with several connections in Oakland.

The City of Antioch is served by the Antioch BART Station. The terminus station is located in Antioch at Hillcrest Avenue, approximately five miles from the Project site with timed transfers from traditional BART transit to clean diesel BART trains at the Pittsburg/Bay Point BART station. The Antioch BART station has over 1,000 parking spaces and is served by Tri-Delta Transit Routes 384, 385, and 395 that provide connections to the Project site. BART service at the Antioch station runs from 4:47 AM to 12:00 AM on weekdays with a frequency of 15 minutes. On Saturdays, trains run from 5:44 AM to 12:00 AM with a frequency of 30 minutes. On Sundays, trains run from 7:17 AM to 12:00 AM with a frequency of 30 minutes.

3.1.2.2 Tri-Delta Transit

The Eastern Contra Costa Transit Authority (Tri-Delta Transit) provides transit service in eastern Contra Costa County, serving the communities of Brentwood, Antioch, Oakley, Concord, Discovery Bay, Bay Point and Pittsburg. The closest bus stop is 0.3 miles from the Project site at the Lone Tree Way and Slatten Ranch Road/Shady Willow Lane intersection. The bus stop serves Route 384 connecting to the Antioch BART Station and Brentwood Park & Ride, Route 385 connecting to the Antioch BART Station and Brentwood Park & Ride, and Route 395 connecting to the Antioch BART Station. The bus routes within the study area are described in **Table 1** and presented in **Figure 3**.[2]

[2] Transit service is reflective of April 2023 operations.

Table 1: Tri Delta Transit Routes

Transit Route	Origin	Destination	Service Hours	Headways
Route 384	Brentwood Park & Ride	Antioch BART Station	7:00 AM – 5:00 PM	60 minutes
Route 384	Antioch BART Station	Brentwood Park & Ride	7:00 AM – 7:00 PM	60 minutes
Route 385	Brentwood Park & Ride	Antioch BART Station	6:15 AM – 5:30 PM	45-90 minutes
Route 385	Antioch BART Station	Brentwood Park & Ride	6:30 AM – 8:30 AM 8:30 AM – 7:30 PM	30-90 minutes 60 minutes
Route 395 Loop	Streets of Brentwood	Antioch BART	9:35 AM – 8:30 PM	60 minutes

Source: Tri-Delta Transit, 2023.

3.1.2.3 Amtrak

Amtrak offers regional passenger rail service from Antioch to the San Francisco Bay Area, Sacramento, and Bakersfield via the San Joaquin line. The City of Antioch is serviced by the Antioch-Pittsburg Amtrak Station at the I Street and West 1st Street intersection. Tri-Delta Transit provides connections from the Project site via Route 387 from the Antioch BART station. The San Joaquin line serves Antioch between 8:50 AM and 9:10 PM daily. Northbound and southbound services operate with a frequency of two to four hours.

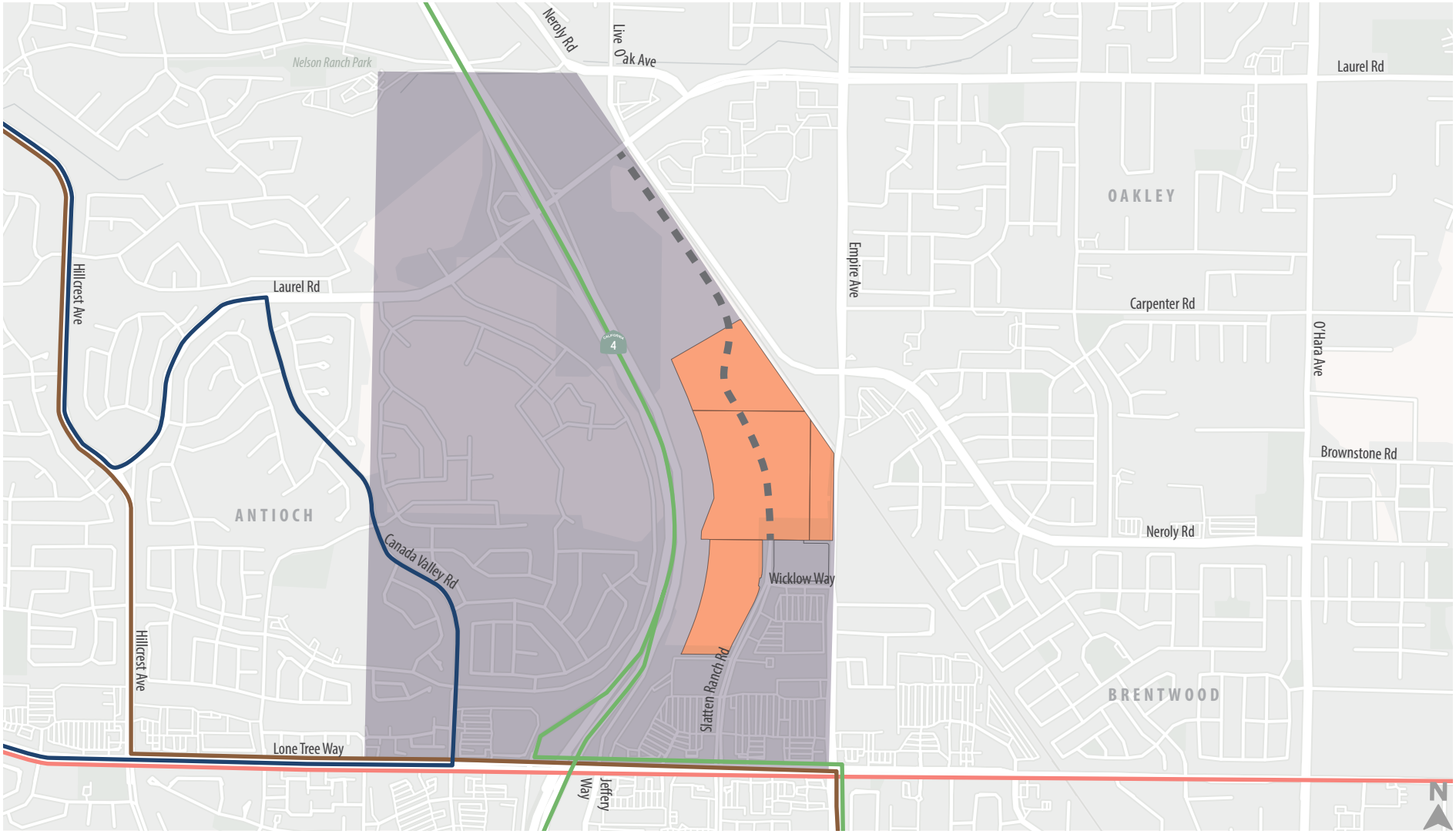


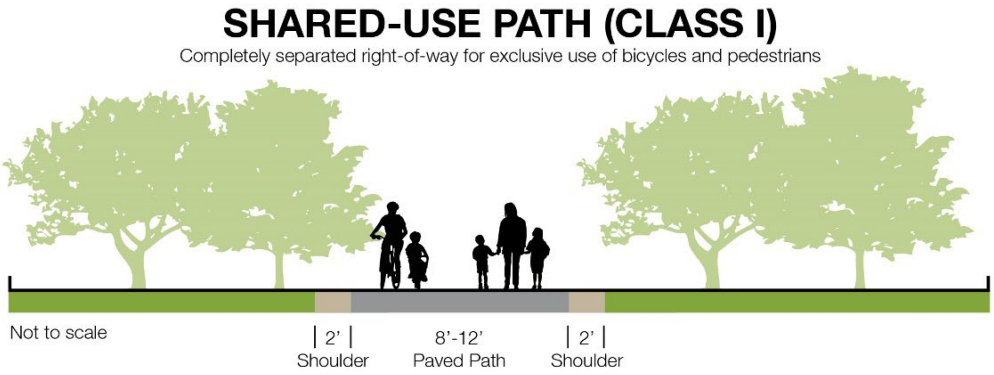
Figure 3

Existing Transit Routes

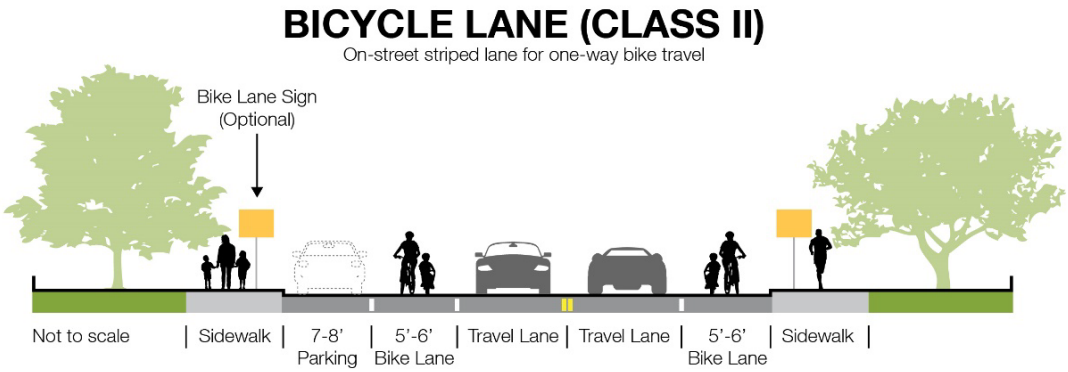
3.1.3 Bicycle Facilities

Bikeway planning and design in California typically relies on guidelines and design standards established by California Department of Transportation (Caltrans) in the Highway Design Manual (Chapter 1000: Bikeway Planning and Design). Caltrans provides examples for four distinct types of bikeway facilities, as described below and shown in the accompanying figures.

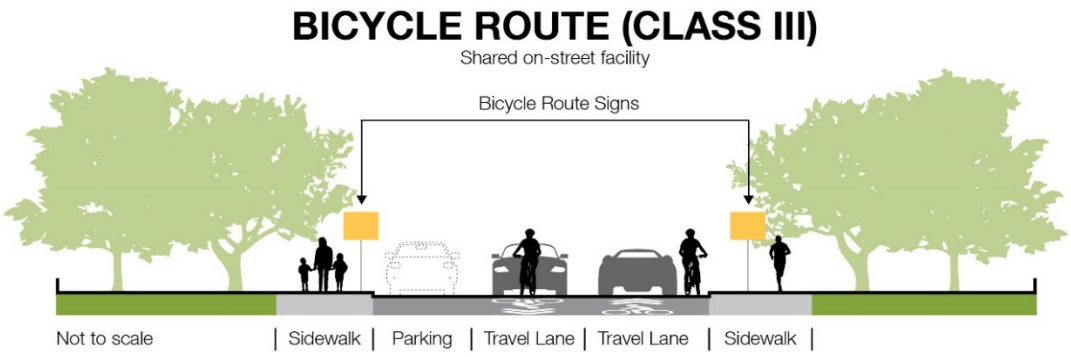
Class I Bikeways (Shared-Use Path) provide a separate right-of-way and are designated for the exclusive use of bicycles and pedestrians, with vehicle and pedestrian cross-flow minimized. In general, bike paths serve corridors where on-street facilities are not feasible or where sufficient right-of-way exists to allow them to be constructed.



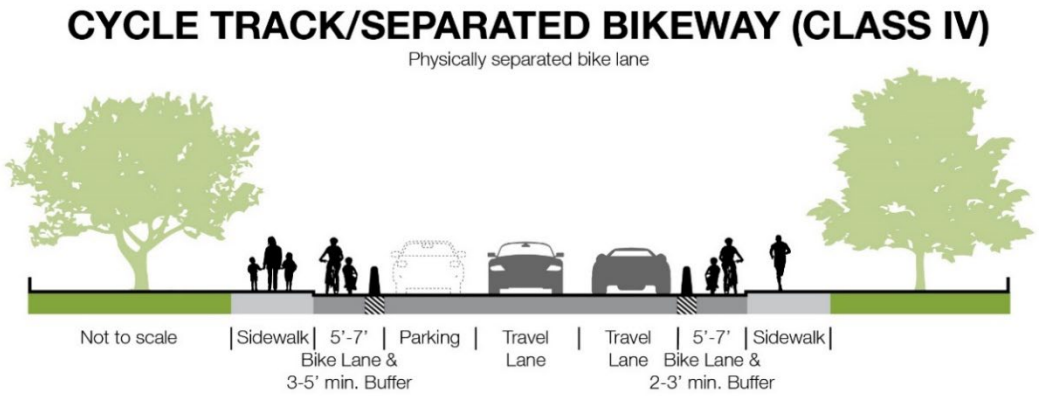
Class II Bikeways (Bicycle Lanes) are dedicated lanes for bicyclists generally adjacent to the outer vehicle travel lanes. These lanes have special lane markings, pavement legends, and signage. Bicycle lanes are typically five (5) feet wide. Adjacent vehicle parking and vehicle/pedestrian cross-flow are permitted.



Class III Bikeways (Bicycle Route) are designated by signs or pavement markings for shared use with pedestrians or motor vehicles but have no separated bike right-of-way or lane striping. Bike routes serve either to: a) provide a connection to other bicycle facilities where dedicated facilities are infeasible, or b) designate preferred routes through high-demand corridors.



Class IV Bikeways (cycle tracks or "separated" bikeways) provide a right-of-way designated exclusively for bicycle travel within a roadway and are protected from other vehicle traffic by physical barriers, including, but not limited to, grade separation, flexible posts, inflexible vertical barriers such as raised curbs, or parked cars.



Existing bicycle facilities are provided within the study area and provide connections to key destinations such as the Antioch BART station, retail stores, and restaurants. Existing and proposed bicycle facilities providing access to the study area include the following:

- Hillcrest Avenue (Antioch BART to south of Lone Tree Way): Class II Bike Lane
- Laurel Road (Hillcrest Avenue to O'Hara Avenue): Class II Bike Lane
- Canada Valley Road (Laurel Road to south of Lone Tree Way): Class II Bike Lane
- Lone Tree Way (Hillcrest Avenue to O'Hara Avenue):

    - Westbound: Class III Bike Route
    - Eastbound: Class II Bike Lane
- Empire Avenue (Laurel Road to Lone Tree Way): Class II Bike Lane
- O'Hara Avenue (Laurel Road to south of Lone Tree Way): Class II Bike Lane
- Parallel to SR-4 Northbound (North of Lone Tree Way): Proposed Class I Bike Path

Existing and proposed bikeway facilities in the study area are illustrated on **Figure 4**.

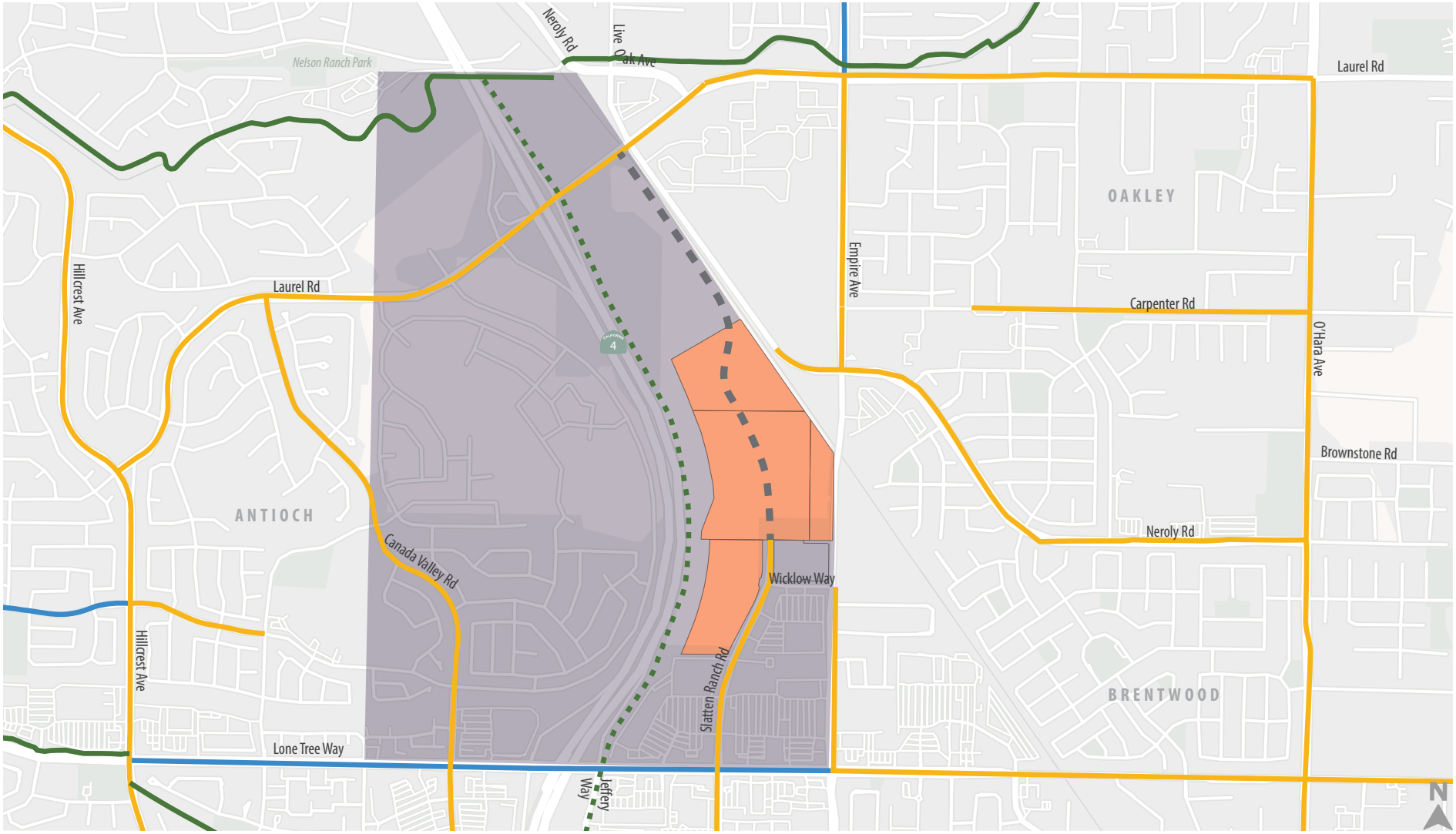
3.1.4 Pedestrian Facilities

Pedestrian facilities are available throughout most areas of Antioch, including sidewalks, wheelchair ramps, and crosswalks. In 2018, the Contra Costa Transportation Authority (CCTA) adopted a Countywide Bicycle and Pedestrian Plan, which incorporated Antioch's local pedestrian-focused programs and defined the areas surrounding BART and Amtrak stations in northern Antioch as Pedestrian Priority Areas. These areas receive priority for funding for pedestrian improvement projects.

The pedestrian environment was evaluated along the connecting roadways that directly serve the Specific Plan development parcels and adjacent roadways that connect to transit stops and/or nearby destinations in the greater study area. Pedestrian connectivity in the study area is provided by a network of sidewalks and crosswalks that serve Lone Tree Way, Empire Avenue, and Laurel Road.

In general, the local pedestrian network is complete. Gaps in the pedestrian network exist along the following segments and intersections:

- Lone Tree Way/SR-4 SB Ramps: North-south crosswalk not provided
- Empire Avenue (Wicklow Way to Neroly Road): Sidewalk not provided on both sides of the roadway



Source: Contra Costa County Active Transortation Plan, 2022.

Figure 4

Existing and Proposed Bicycle Facilities

3.2 Regulatory Framework

This section describes the existing State, regional, and local regulatory frameworks related to transportation.

3.2.1 State

The following section describes the existing State of California regulatory environment related to transportation.

3.2.1.1 Assembly Bill 1358

Assembly Bill 1358, also known as the California Complete Streets Act of 2008, requires cities and counties to include "Complete Street" policies in their general plans. These policies address the safe accommodation of all users, including bicyclists, pedestrians, motorists, public transit vehicles and riders, children, the elderly, and the disabled. These policies can apply to new streets as well as the redesign of corridors.

3.2.1.2 Senate Bill 375

Senate Bill (SB) 375 provides guidance regarding curbing emissions from cars and light trucks. There are four major components to SB 375. First, SB 375 requires regional greenhouse gas emission targets. These targets must be updated every 8 years in conjunction with the revision schedule of the housing and transportation elements of local general plans. Second, Metropolitan Planning Organizations are required to create a Sustainable Communities Strategy (SCS) that provides a plan for meeting regional targets. Third, SB 375 requires housing elements and transportation plans to be synchronized on 8-year schedules. Finally, Metropolitan Planning Organizations must use transportation and air emissions modeling techniques that are consistent with the guidelines prepared by the California Transportation Commission.

3.2.1.3 Senate Bill 743

Passed in 2013, California Senate Bill (SB) 743 changes the focus of transportation impact analysis in CEQA from measuring impacts to drivers, to measuring the impact of driving. The change is being made by replacing Level of Service as a performance metric with a vehicle miles traveled approach. This shift in transportation impact focus is intended to better align transportation impact analysis and mitigation outcomes with the State's goals to reduce greenhouse gas (GHG) emissions, encourage infill development, and improve public health through development of multimodal transportation networks. LOS or other delay metrics may still be used to evaluate the impact of projects on drivers as part of land use entitlement review and impact fee programs.

In December 2018, the Natural Resources Agency finalized updates to Section 15064.3 of the CEQA Guidelines, including the incorporation of SB 743 modifications. The Guidelines' changes were approved by the Office of Administrative Law and as of July 1, 2020 are now in effect statewide.

To help aid lead agencies with SB 743 implementation, the Governor's Office of Planning and Research (OPR) produced the Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory)[3] that provides guidance about the variety of implementation questions they face with respect to shifting to a VMT metric. Key guidance from this document includes:

- VMT is the most appropriate metric to evaluate a project's transportation impact.
- OPR recommends tour- and trip-based travel models to estimate VMT, but ultimately defers to local agencies to determine the appropriate tools.
- OPR recommends measuring VMT for residential and office projects on a "per rate" basis.
- OPR recommends that a per capita or per employee VMT that is fifteen percent below that of existing development may be a reasonable threshold. In other words, an office project that generates VMT per employee that is more than 85 percent of the regional VMT per employee could result in a significant impact. OPR notes that this threshold is supported by evidence that connects this level of reduction to the State's emissions goals.
- OPR recommends that where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds described above should apply.
- Lead agencies have the discretion to set or apply their own significance thresholds.

3.2.1.4 Caltrans

Caltrans issued the VMT-Focused Transportation Impact Study Guide (TISG)[4] in May 2020, providing the process by which Caltrans will review and assess VMT impacts of land development projects. The TISG generally aligns with the guidance in the OPR Technical Advisory.

Caltrans also issued the Transportation Analysis Framework (TAF)[5] in September 2020, which details methodology for calculating induced travel demand for capacity increasing transportation projects on the

[3] Governor's Office of Planning and Research (OPR), 2018. Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory). Available online: https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf. Accessed February 23, 2023.

[4] Caltrans, 2020. VMT-Focused Transportation Impact Study Guide (TISG). Available online: https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/sb-743/2020-05-20-approved-vmt-focused-tisg-a11y.pdf. Accessed January 23, 2023.

[5] Caltrans, 2020. Transportation Analysis Framework (TAF). Available online: https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/sb-743/2020-09-10-1st-edition-taf-fnl-a11y.pdf. Accessed January 23, 2023.

State Highway System. Caltrans also issued the Transportation Analysis Under CEQA (TAC) guidance in September 2020 which describes significance determinations for capacity increasing projects on the State Highway System. It is noted that the Project does not propose any changes to the Caltrans owned and operated network.

Caltrans also issued Traffic Safety Bulletin 20-02-R1: Interim Local Development Intergovernmental Review Safety Review Practitioner Guidance[6] in December 2020, describing the methods with which Caltrans will assess the safety impacts of projects on the Caltrans owned and operated network. This guidance states that Caltrans will provide its safety assessment to lead agencies for inclusion in environmental documents.

Finally, Caltrans has adopted procedures to oversee construction activities on and around its facilities. The Caltrans Construction Manual[7] describes best practices for construction activities, including personnel and equipment safety requirements, temporary traffic control, signage, and other requirements aimed at reducing construction-related hazards and constructing projects safely and efficiently. Any work proposed on Caltrans facilities would be required to abide by these requirements.

3.2.2 Regional

The following section describes the existing regional regulatory environment related to transportation.

3.2.2.1 Contra Costa Countywide Transportation Plan

The Contra Costa Countywide Transportation Plan[8] incorporates five sub-regional Action Plans for Routes of Regional Significance (Action Plans). This is one of the primary vehicles for implementing achieving the Measure J Growth Management Program's goal of reducing the cumulative impacts of growth. The Action Plans also fulfill a key requirement of CCTA's Congestion Management Program. This is a State-mandated program for evaluating the impact of land use decisions on the regional transportation system and establishing performance measures. Each Action Plan contains these components:

- Long range assumptions about future land uses based on local general plans and travel demand based on household and job growth.
- Multi-modal transportation objectives that can be measured and timed.

[6] Caltrans, 2020. Traffic Safety Bulletin 20-02-R1: Interim Local Development Intergovernmental Review Safety Review Practitioner Guidance. Available online: https://dot.ca.gov/-/media/dot-media/programs/safety-programs/documents/policy/interim-ldigr-safety-guidance-memo-revision1-and-guidance-a11y.pdf. Accessed January 23, 2023.

[7] Caltrans, 2019-2022. Construction Manual. Available online: https://dot.ca.gov/programs/construction/construction-manual. Accessed January 23, 2023.

[8] Contra Costa Transportation Authority, 2017. Countywide Transportation Plan (CTP). Available online: https://ccta.net/planning/2017-countywide-transportation-plan/. Accessed January 24, 2023.

- Specific actions to be implemented by each jurisdiction.
- A process for consultation on environmental documents.
- A procedure for reviewing the impacts of local General Plan amendments that could affect the transportation objectives.
- A schedule for reviewing and updating the Action Plans.

The City of Antioch is included in the East County Action Plan.

3.2.2.2 CCTA VMT Guidance for Member Agencies

The CCTA has developed guidance for member jurisdictions to use in developing their own VMT analysis methods, metrics, and thresholds of significance. The CCTA's Growth Management Program Implementation Guide (Revised February 17, 2021)[9], Appendix F (CCTA Recommended Methodology) describes the recommendations.

3.2.2.3 Contra Costa County Congestion Management Program

The CCTA is Contra Costa County's designated Congestion Management Agency (CMA). It is responsible for implementing programs to ensure traffic levels remain manageable. Antioch serves on the TRANSPLAN Committee which coordinates the transportation interests of the communities in eastern Contra Costa County, California. The five member governments of TRANSPLAN include the Cities of Antioch, Brentwood, Oakley, Pittsburg, and Contra Costa County. In addition to the four cities, the region includes the unincorporated communities of Bay Point, Bethel Island, Byron, Discovery Bay, and Knightsen, which are governed by the County.

As the CMA, CCTA is in charge of coordinating land use, air quality, and transportation planning among local jurisdictions. A Congestion Management Program (CMP) was created to spend the funds allocated to these projects, known as Measure J. This measure is a one-half cent Countywide sales tax used for transportation improvements within the County. The revenue must be spent on projects and programs included in the CCTA Transportation Expenditure Plan (Expenditure Plan). The Expenditure Plan designates 18 percent of the annual sales tax revenue as "return-to-source" funds. The City's eligibility for these funds is contingent on compliance with the City's Growth Management Program (GMP), reflected in the Growth Management section of the General Plan.

[9] Contra Costa Transportation Authority, 2021. Growth Management Program Implementation Guide. Available online: https://ccta.net/wp-content/uploads/2021/08/GMP_Implementation_Guide_FINAL_02172021.pdf. Accessed January 24, 2023.

The CMP network is a subset of the network of Routes of Regional Significance Routes adopted by the Authority. In the case of the City of Antioch, the only roadway included in this network is the SR-4 portion that runs through the city.

For all the roads on the CMP network, the CMP must establish traffic level-of-service standards. To be included in the network all roads should meet three conditions.

- The road is four lanes or wider for at least one mile;
- Average daily traffic on the road equals or exceeds 20,000 vehicles per day for a segment of one mile or greater; and
- The road has been designated as a Route of Regional Significance.

The CMP legislation states that, "In no case shall the LOS standards established be below level of service E or the current level, whichever is farthest from level of service A…." . Therefore, if the current level of service is F, representing significant congestion, the LOS standard can be set at level of service F. Alternatively, if the current level of service is A, the CMA has the option of setting the LOS standard between the existing level A and the lowest allowable level of service E. It was determined that the SR-4 portion that runs through Antioch would have a level of service standard of F.

3.2.3 Local

The following section describes the existing local regulatory environment related to transportation.

3.2.3.1 Antioch General Plan

The Antioch General Plan[10] is a comprehensive long-range general plan for the physical development of the City of Antioch.

The various elements within the General Plan include goals and policies for the physical development of the City. The city is in the process of updating the General Plan. However, because the update is underway and not yet complete, the goals and policies from the current General Plan that are relevant to this transportation impact analysis are listed below.

- Goal 3.2-1: Maintain a clear linkage between growth and development within the City and expansion of its service and infrastructure systems
- Goal 3.2-2: Maintain a moderate rate of residential growth to ensure that the expansion of public services and facilities keeps pace.

[10] City of Antioch, 2015. Housing Element 2015-2023. Available online: https://www.antiochca.gov/fc/community-development/planning/2015-2023-housing-element.pdf. Accessed January 24, 2023.

- Policy 3.3.1-1: The Growth Management Element establishes a quantified annual cap on residential growth and sets forth roadway and highway level of service standards, as well as public services and facilities performance standards.
- Policy 3.3.1-2: The Land Use Element defines acceptable locations and the appropriate intensity for new development. By defining acceptable locations and appropriate intensities for new development, the Land Use Element establishes maximum allowable development intensity for the City at "build out" of the Antioch Planning area.
- Policy 3.4.2-1: The Growth Management Element sets level of service standards for roadways within the City of Antioch Planning Area. These standards form the basis for the City's circulation policy. The level of service for Basic Routes, which are defined as all local roads not otherwise designated as Route of Significance.
- Goal 4.2-1: Maintain a pattern of land uses that minimizes conflicts between various uses.
- Policy 4.4.6-1: Create ten areas within the Antioch General Plan for focused policy analysis and direction.
- Goal 7.2-1: Improve present traffic flows and provide easy and convenient access to all areas of the community
- Goal 7.2-2: Provide safety for all modes of motorized and non-motorized transportation
- Goal 7.2-3: Reduce dependence on single occupant automobile travel
- Policy 7.3.2-a: Meet the roadway performance set in the Growth Management Element. Promote the design of roadways to optimize safe traffic flow, by minimizing driveways and intersections, uncontrolled access to adjacent parcels, on-street parking, and frequent stops.
- Policy 7.3.2-b: Design and reconfigure collector and local roadways to improve circulation within and connections to residential and commercial areas.
- Policy 7.3.2-c: Require the design of new developments to focus on through traffic onto arterial streets.
- Policy 7.3.2-e: Establish Assessment Districts in areas that will require major roadway infrastructure improvements that will benefit only that area of the City.
- Policy 7.3.2-h: Require traffic impact studies for all new development that propose to increase the approved density or intensity of development or are projected to generate 50 peak hour trips or more at any intersection of Circulation Element roadways.
- Policy 7.4.2-a: Design new residential neighborhoods to provide safe pedestrian and bicycle access to schools, parks, and commercial facilities.

- Policy 7.4.2-f: Provide as appropriate bicycle lanes (Class II) or parallel bicycle/pedestrian paths (Class I) along all arterial streets and high-volume collector streets, as well as along major access routes to schools and parks.
- Policy 7.4.2-p: Design walks to provide direct route for short to medium distance pedestrian trips, and to facilitate movement of large numbers of pedestrians.
- Policy 7.5.2-a: Permit higher residential densities and mixed-use development adjacent to the downtown Amtrak stop and other rail transit stations.

3.2.3.2 East Lone Tree Specific Plan

The *East Lone Tree Specific Plan* (ELS/Elbasani & Logan, Adopted March 1996, Amended July 2005) envisioned a mix of residential, employment, and retail uses on a contiguous 785-acre site in southeast Antioch. The Specific Plan is a comprehensive long-range plan for the future land uses, design standards, public improvements, and implementation programs within in the East Lone Tree Specific Plan Area (ELTA). Prepared in conformance with the City of Antioch's General Plan, the Specific Plan includes the following relevant infrastructure and circulation goals:

- SR 4 Bypass constructed with grade-separated interchanges at Laurel Road and Lone Tree Way
- Lone Tree Way widening to six lanes west of the SR 4 Bypass and to four lanes east of the SR 4 Bypass
- Laurel Road extension from Hillcrest Avenue to the ELTA
- Sunset Drive constructed from Lone Tree Way to Laurel Road
- Bicycle/pedestrian trail constructed within Antioch Creek open space
- Pedestrian trails constructed within the Ridgetop open space

3.2.3.3 Local Roadway Safety Plan

The City of Antioch is currently developing a Local Roadway Safety Plan (LRSP). The LRSP must follow both the Federal Highway Administration and Caltrans requirements. The city is utilizing federal funding to develop a plan to improve transportation safety by reducing fatalities and severe injuries that result from accidents on its transportation systems.

4. Vehicle Miles Traveled (VMT) Assessment

This section describes the evaluation of the Project's effects on VMT.

4.1 VMT Travel Demand Modeling Assumptions

The VMT analysis uses the latest CCTA model land use and network input files. Land use files for Baseline (2023) were verified with current conditions in the Project study area. The Cumulative No Project reflects conditions forecast to prevail in the year 2040 with buildout of the General Plans of the surrounding communities along with other approved and planned developments. The recently approved City of Antioch Housing Element is included in the Cumulative No Project forecasts along with the unbuilt elements of the East Lone Tree Specific Plan. **Table 2** summarizes the modeling assumptions of those projects as reflected in the CCTA travel demand model.

Table 2: Cumulative No Project – Included Projects

Project	Size	Units	Project Type
Antioch Housing Element Update[1]	4,575	Multi-Family Dwelling Units	Residential
Antioch Housing Element Update[1]	136	Single-Family Dwelling Units	Residential
East Lone Tree Specific Plan[2] (Development Parcels Approved Uses)	3,656	Total Employees	Specific Plan

Sources:
1. City of Antioch 2023-2031 Housing Element Update, March 2023
2. East Lone Tree Specific Plan, July 2005

The amendments proposed by the Project to the approved Specific Plan would allow for the development of up to 1.5 million square feet of retail and/or employment uses on the four subject parcels. As the proposed zoning would allow either office or retail uses on the 88-acres, the following two model runs were prepared:

1. **Cumulative Plus Alternative 1:** 100% Office use on development parcels
2. **Cumulative Plus Alternative 2:** 100% Retail use on development parcels

The land uses within the relevant Traffic Analysis Zone (TAZ) of the CCTA Model are summarized in **Table 3**.

Table 3: Model Land Use Assumptions

Scenario	TAZ	Development Parcel Land Use (Total Employment)	TAZ Land Use (Total Employment)	Difference from No Project
Baseline (2023)	30691	0	49	-
Cumulative No Project	30691	3,656	3,694	-
Cumulative Plus Alternative 1 (Maximum Office)[1]	30691	4,591	4,629	935
Cumulative Plus Alternative 2 (Maximum Retail)[2]	30691	3,060	3,098	-596

Notes:
1. Office land use assumes 3 employees per KSF.
2. Retail land use assumes 2 employees per KSF.
Source: Fehr & Peers, April 2023.

4.2 VMT Analysis Results

The analysis scenarios were analyzed using the methodologies described in Section 2.1. The VMT analysis of the two alternative land use considerations on total VMT per service population in the Cumulative condition are summarized in **Table 4** below. The project's effect on VMT is measured by defining a VMT study area (in this case Contra Costa County) and calculating the total VMT occurring on all network links inside that study area, in both the cumulative without project and cumulative with project scenarios. To allow for a reasonable comparison between those two scenarios, the total study area VMT is normalized in some fashion (in this case by service population which is the total number of residents and employees) to reflect that there are different numbers of people within the study area (i.e., because the project has added people to the study area as compared to the without project scenario).

Table 4: Cumulative VMT Analysis Summary – Project Effect on VMT

Scenario	Threshold (County-wide)	Project Effect on VMT (Total VMT per Service Population)		Change from Threshold
		No Project	With Project	
Cumulative Plus Alternative 1 (Maximum Office)	16.1	16.1	16.1	+0.0 (+0%)
Cumulative Plus Alternative 2 (Maximum Retail)	16.1	16.1	16.1	+0.0 (+0%)

Source: Fehr & Peers, April 2023.

As illustrated in Table 4, both the maximum office space alternative and maximum retail space alternative are expected to result in a total VMT per service population of 16.1, which is equivalent to the current countywide average and significance threshold. Thus, the project is expected to result in a ***less-than-significant impact*** related to VMT. Combinations of development on the subject parcels that included partial retail and partial office buildouts would be expected to have similar results.

Table 5 presents the home-based work VMT per employee for the two project alternatives. While Table 4 illustrates the project's effect on total VMT (including how other trips are redistributed due to the presence of the project), Table 5 presents the unique VMT generated by the project itself. Project generated VMT is measured by calculating the appropriate VMT metric (in this case home to work VMT per employee) generated by project Traffic Analysis Zones (TAZ) within the model and normalizing the metric by population to reflect that there are different populations in each TAZ.

Table 5: Cumulative VMT Analysis Summary – Home-Work VMT

Scenario	85% of Bay Area Regionwide Average (Threshold)	85% of Countywide Average	Project TAZ Home-Work VMT per Employee		Change from Threshold
			No Project	With Project	
Baseline (2023)	13.1	12.8	10.5	-	-
Cumulative Alternative 1 (Maximum Office)	13.3	12.9	8.3	7.9	-5.4 (-40.6%)
Cumulative Alternative 2 (Maximum Retail)	13.3	12.9	8.3	8.3	-5.0 (-37.6%)

Source: Fehr & Peers, April 2023.

The home-based work VMT per employee for both the maximum office and maximum retail alternatives are substantially below the Bay Area regionwide and Countywide averages. The prevalence of residential land uses in southeast Antioch, Oakley and Brentwood, and the presence of additional employment sites on the four Specific Plan parcels result in shorter home-work trips for employees traveling to and from the Project TAZs.

5. CEQA Checklist Review

This section provides a summary of the potential Project impacts related to bicycles, pedestrians, transit, VMT, hazards and emergency vehicle access based on the previously outlined significance criteria. This summary is presented in **Table 6**.

Table 6: CEQA Checklist Review

Significance Criteria	Discussion	Mitigation
A. Conflict with a program, plan, ordinance or policy addressing the circulation system, including roadway, transit, bicycle and pedestrian facilities?		
A pedestrian impact is considered significant if the project would:		
Disrupt existing pedestrian facilities	The project proposes no features that would disrupt existing pedestrian facilities.	None required
Interfere with planned pedestrian facilities	The project proposes no features that would interfere with planned pedestrian facilities.	None Required
Create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards	The project is consistent with adopted pedestrian system plans, guidelines, policies, or standards.	None Required
A bicycle impact is considered significant if the project would:		
Disrupt existing bicycle facilities	The project proposes no features that would disrupt existing bicycle facilities.	None required
Interfere with planned bicycle facilities	The project proposes no features that would interfere with planned bicycle facilities.	None required
Create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards	The project is consistent with adopted bicycle system plans, guidelines, policies, or standards.	None Required
A transit impact is considered significant if the project would:		
Interfere with existing transit facilities or precludes the construction of planned transit facilities.	The project proposes no features that interfere with existing transit facilities or precludes the construction of planned transit facilities.	None Required

Table 6: CEQA Checklist Review

Significance Criteria	Discussion	Mitigation
B. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?		
Would the project result in a significant adverse impact related to Vehicle Miles Traveled	Both the maximum retail alternative and maximum office alternative would result in a total VMT per service population of 16.1 in the Cumulative scenario, which is equivalent to the current Cumulative no Project VMT per service population. Measured on a home-based work VMT per employee basis the maximum retail alternative results in 8.3 home based work daily VMT per employee while the maximum office alternative results in a 7.9 home based work daily VMT per employee. Both results are substantially below 85% of the Countywide (12.9) and Bay Area regionwide averages (13.3) The project would have a less than significant impact related to VMT.	None required
C. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?		
Would implementation of the project result in a geometric design feature that do not meet City standards?	The project proposes no features that do not meet City design standards. Future development proposals on the development parcels would undergo site specific design and review processes.	None required
D. Result in inadequate emergency access?		
Would the project result in inadequate emergency access?	The project proposes no features that would result in inadequate emergency vehicle access. Future development proposals on the development parcels would undergo site specific design and review processes.	None required

Source: Fehr & Peers, 2023.