

**ADDENDUM NO. 3 TO THE
ENVIRONMENTAL IMPACT REPORT
FOR THE ANAHEIM GENERAL PLAN AND
ZONING UPDATE AND 2017 BICYCLE MASTER
PLAN
SCH NO. 2003041105**

**NOHL RANCH OPEN SPACE TRAIL PROJECT, ANAHEIM HILLS
CITY OF ANAHEIM, CALIFORNIA**

LSA

November 2018

This page intentionally left blank

**ADDENDUM NO. 3 TO THE
ENVIRONMENTAL IMPACT REPORT
FOR THE ANAHEIM GENERAL PLAN AND
ZONING UPDATE AND 2017 BICYCLE MASTER
PLAN
SCH NO. 2003041105**

**NOHL RANCH OPEN SPACE TRAIL PROJECT, ANAHEIM HILLS
CITY OF ANAHEIM, CALIFORNIA**

Submitted to:

City of Anaheim
Public Works Department
200 South Anaheim Boulevard
Anaheim, California 92805

Prepared by:

LSA
20 Executive Park, Suite 200
Irvine, California 92614
(949) 553-0666

Project No. GHD1702



November 2018

This page intentionally left blank

ABSTRACT/SUMMARY

The City of Anaheim (City) is proposing a new spur alignment and completion of a portion of the Nohl Ranch Open Space Trail (Proposed Project), which provides both a bicycle trail and a riding and hiking trails. The Proposed Project is located in the Anaheim Hills area of the City. The project limits are from Imperial Highway at the east side of the intersection of Avenida Bernardo North to Anaheim Hills Road, an approximately 5,300 linear-foot segment. The new spur alignment would run south along the east side of Imperial Highway for approximately 1,200 linear feet as a bikeway only. The trail completion (side-by-side bikeway and riding and hiking trail) continues along the original conceptual alignment and aligns east under a utility easement between Canyon Hills School and Imperial Elementary School and continues east north of Imperial Park and the Canyon Hills Library and then parallels the north side of Nohl Ranch Road to its terminus at Anaheim Hills Road. The Proposed Project would also implement Riding and Hiking Trail No. 20 shown on the Equestrian Riding and Hiking Trails Plan of the City's General Plan Green Element.

This page intentionally left blank

TABLE OF CONTENTS

ABSTRACT/SUMMARY	i
TABLE OF CONTENTS	iii
LIST OF ABBREVIATIONS AND ACRONYMS	iv
1.0 INTRODUCTION	1-1
1.1 Purpose and Scope	1-1
1.2 Format of Addendum	1-6
1.3 Existing Documents to be Incorporated by Reference	1-7
1.4 Contact Persons	1-8
2.0 CHANGES TO PROJECT	2-1
2.1 Project Site Location and Setting	2-1
2.2 Project History	2-1
2.3 Project Changes	2-5
2.4 Project Characteristics	2-13
2.5 Anticipated Approvals and Permits	2-24
3.0 ENVIRONMENTAL CHECKLIST INFORMATION AND FINDINGS	3-1
3.1 Background	3-1
3.2 Environmental Factors Potentially Affected	3-2
3.3 Determination (to be Completed by the Lead Agency)	3-2
4.0 COMPARATIVE EVALUATION OF ENVIRONMENTAL IMPACTS	4-1
4.1 Aesthetics	4-2
4.2 Agriculture and Forest Resources	4-6
4.3 Air Quality	4-9
4.4 Biological Resources	4-17
4.5 Cultural Resources	4-23
4.6 Geology and Soils	4-27
4.7 Greenhouse Gas Emissions	4-32
4.8 Hazards and Hazardous Materials	4-36
4.9 Hydrology	4-42
4.10 Land Use	4-47
4.11 Mineral Resources	4-50
4.12 Noise	4-52
4.13 Population and Housing	4-57
4.14 Public Services	4-60
4.15 Recreation	4-63
4.16 Transportation/Traffic	4-66
4.17 Utilities and Service Systems	4-70
4.18 Mandatory Findings of Significance	4-74
5.0 LIST OF PREPARERS	5-1
5.1 City of Anaheim	5-1

5.2 LSA Associates, Inc..... 5-1
5.3 GHD..... 5-1
6.0 REFERENCES 6-1

APPENDICES

- Appendix A: Air Quality and Greenhouse Gas Memorandum
- Appendix B: Biological Resources Memorandum
- Appendix C: Cultural Resources Memorandum
- Appendix D: Paleontological Memorandum
- Appendix E: EDR Hazards Database Report
- Appendix F: Technical Noise Memorandum

FIGURES AND TABLES

FIGURES

Figure 1-1: Regional and Project Location.....	1-3
Figure 2-1: Proposed Alignment.....	2-3
Figure 2-2: New Spur Alignment for Bike Route No. 21.....	2-7
Figure 2-3: Anaheim Equestrian Riding and Hiking Trails Plan.....	2-9
Figure 2-4: General Plan Land Use Designations.....	2-11
Figure 2-5: Surrounding Land Uses	2-15
Figure 2-6: Precise Alignment and Easement Areas.....	2-17

TABLES

Table 2.1: Easement Acquisitions.....	2-23
Table 4.3.1: Short-Term Regional Construction Emissions	4-13
Table 4.3.2: Construction Localized Impacts Analysis	4-14

This page intentionally left blank

LIST OF ABBREVIATIONS AND ACRONYMS

$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
AB	Assembly Bill
ADA	Americans with Disabilities Act
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
Basin	South Coast Air Basin
BCIP	Federal Bicycle Corridor Improvement Program
bgs	below ground surface
BMP	best management practices
CAAQS	California ambient air quality standards
CalEEMod	California Emission Estimator Model
CalEPA	California Environmental Protection Agency
California Register	California Register of Historical Resources
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CH ₄	methane
City	City of Anaheim
CMP	Congestion Management Program
CNEL	Community Noise Equivalent Level
CO	carbon monoxide
CO ₂ e	carbon dioxide equivalent
County	County of Orange
dB	decibel(s)
DOC	California Department of Conservation
DTSC	California Department of Toxic Substances Control
EDR	Environmental Data Resources, Inc.
EIR	Environmental Impact Report
EIR No. 330	Addendum to Program Environmental Impact Report (EIR) No. 330
ft	foot/feet
FEIR	Final Environmental Impact Report
FEMA	Federal Emergency Management Agency
GHG	greenhouse gas
GWP	Global Warming Potential

HCP	Habitat Conservation Plan
HFC	hydrofluorocarbons
LST	Localized Significance Threshold
m	meter(s)
Master Plan Addendum	2017 Bicycle Master Plan Addendum
mgd	million gallons per day
MM	Mitigation Measure
MMRP	Mitigation Monitoring and Reporting Program
MRZ	mineral resource zone
MS4	Municipal Separate Storm Sewer System
MT	metric tons
N ₂ O	nitrous oxide
NAAQS	national ambient air quality standards
National Register	National Register of Historic Places
NCCP	Natural Community Conservation Program
NEPA	National Environmental Policy Act
NO ₂	nitrogen dioxide
NPDES	National Pollutant Discharge Elimination System
OEHHA	Office of Environmental Health Hazard Assessment
OSHA	Occupational Safety and Health Administration
PFCs	perfluorocarbons
PM _{2.5}	particulate matter less than 2.5 microns in diameter
PM ₁₀	particulate matter less than 10 microns in diameter
PRC	California Public Resources Code
Proposed Project	Nohl Ranch Open Space Trail Project
SB	Senate Bill
SC	Standard Condition
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCH	State Clearinghouse
SF ₆	sulfur hexafluoride
SR-55	State Route 55
SRA	Source Receptor Area
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
T	Transitional

Update Project	Addendum to Program Environmental Impact Report (EIR) No. 330 for the General Plan and Zoning Project
USEPA	United States Environmental Protection Agency
UWMP	Urban Water Management Plan
VMT	vehicle miles traveled
Working Group	CEQA Significance Threshold Stakeholder Working Group

This page intentionally left blank

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The City of Anaheim (City) is proposing a new spur alignment and completion of a portion of the Nohl Ranch Open Space Trail (Proposed Project), which provides both a bicycle trail and a riding and hiking trails. The Proposed Project is located in the Anaheim Hills area of the City; refer to Figure 1-1 for the regional and project location. The project limits are from Imperial Highway at the east side of the intersection of Avenida Bernardo North to Anaheim Hills Road, an approximately 5,300 linear-foot segment. The new spur alignment would run south along the east side of Imperial Highway for approximately 1,200 linear feet as a bikeway only. The trail completion (side-by-side bikeway and riding and hiking trail) continues on the original conceptual alignment and traverses east under a utility easement between Canyon Hills School and Imperial Elementary School and continues east north of Imperial Park and the Canyon Hills Library and then closely parallels the north side of Nohl Ranch Road to its terminus at Anaheim Hills Road. The Proposed Project would also implement Riding and Hiking Trail No. 20 shown on the Equestrian Riding and Hiking Trails Plan of the City's General Plan Green Element.

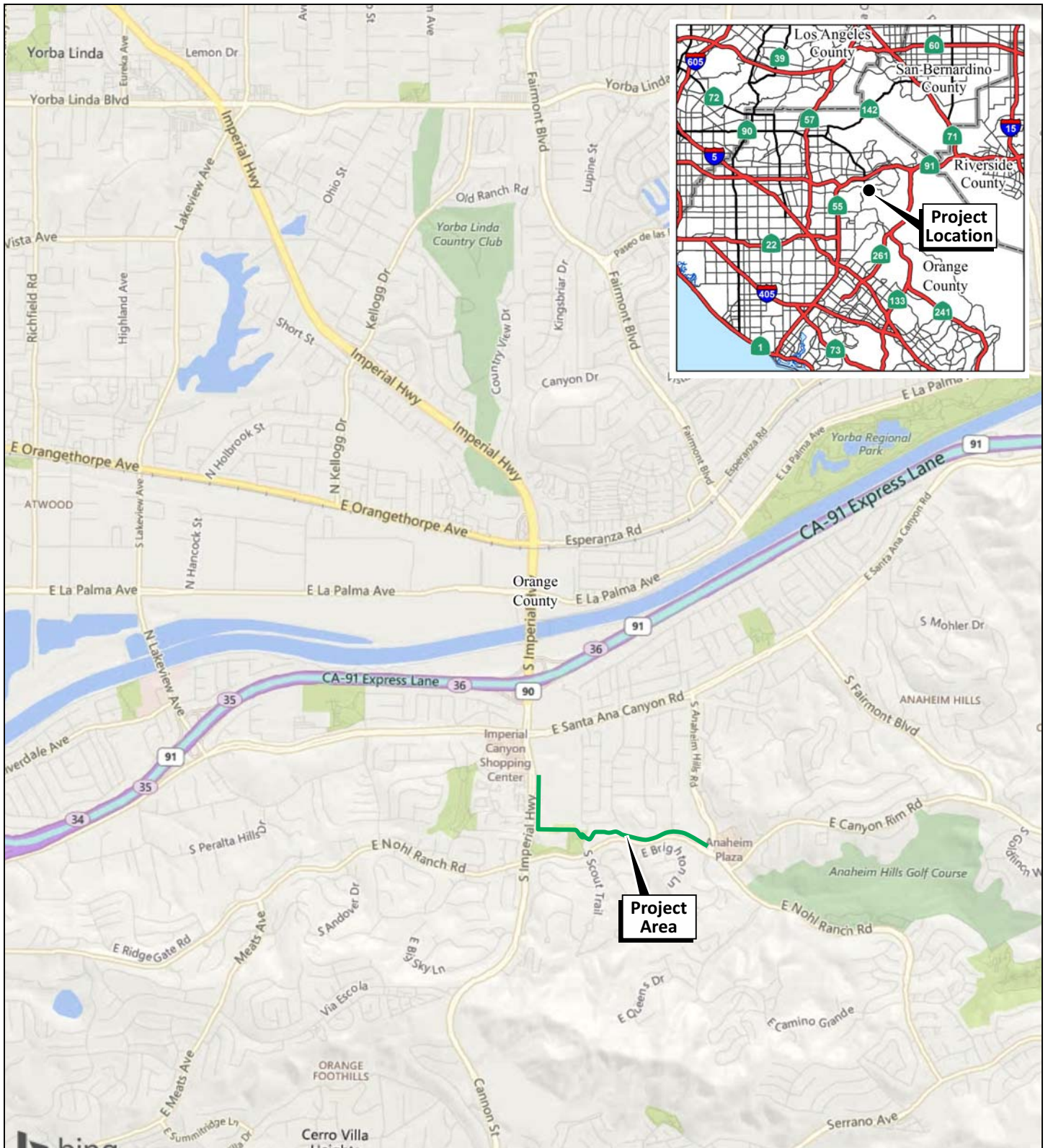
This document is an Addendum to Program Environmental Impact Report (EIR) No. 330 for the General Plan and Zoning Project (referred to as the "Update Project" or "EIR No. 330") and to the 2017 Bicycle Master Plan Addendum (referred to as the "Master Plan Addendum"). EIR No. 330 and the Master Plan Addendum are collectively referred to as the "previously certified environmental analysis."

On May 25, 2004, a Final Environmental Impact Report (Anaheim General Plan and Zoning Code Update FEIR No. 330 [State Clearinghouse (SCH) No. 2003041105]) was certified by the Anaheim City Council along with a Mitigation Monitoring and Reporting Program (MMRP). In addition, the findings of fact for the Anaheim General Plan and Zoning Code Update FEIR noted significant unavoidable adverse impacts related to air quality, noise, and traffic. Therefore, a statement of overriding considerations was also adopted. The 2004 City of Anaheim Bicycle Master Plan was approved as part of the City's comprehensive General Plan and Zoning Code update in May 2004. On May 23, 2017, the Anaheim City Council approved the 2017 Bicycle Master Plan along with an Addendum to EIR No. 330 for the General Plan and Zoning Code Update, as well as EIR No. 346 for the City of Anaheim Housing Opportunities Sites Rezoning Project.

1.1.1 CEQA Requirements

According to Section 15162 of the California Environmental Quality Act (CEQA) *CEQA Guidelines*, when an EIR has been certified or a negative declaration adopted for a project, no subsequent EIR shall be prepared for the project unless the lead agency determines, on the basis of substantial evidence in light of the whole record, one or more of the following:

This page intentionally left blank

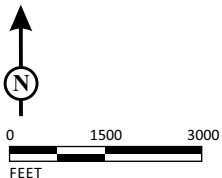


LSA

LEGEND

— - Proposed Alignment

FIGURE 1-1



SOURCE: Bing Maps

Nohl Ranch Open Space Trail
Regional and Project Location

This page intentionally left blank

1. Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. Substantial changes occur with respect to the circumstances under which the project is undertaken which require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted shows, any of the following:
 - a. The project will have one or more significant effects not discussed in the previous EIR or negative declaration.
 - b. Significant effects previously examined will be substantially more severe than shown in the previous EIR.
 - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponent declines to adopt the mitigation measures or alternatives;
 - d. Mitigation measures or alternatives that are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponent declines to adopt the mitigation measures or alternatives.

Preparation of an Addendum to an EIR is appropriate when none of the conditions specified in Section 15162 (above) are present and some minor technical changes to the previously certified EIR are necessary.

1.1.2 Findings of this Addendum

After careful consideration of the potential environmental impacts of the Proposed Project, the City of Anaheim has determined that (1) none of the conditions requiring preparation of a subsequent or supplement to an EIR have occurred, and (2) the circumstances described in Section 15164 of the *State CEQA Guidelines* exist. Therefore, an Addendum to EIR No. 330 and the Bicycle Master Plan update has been deemed appropriate.

1.1.3 Summary of Unchanged Items

The project components listed below were covered in the Master Plan Addendum and have not changed from the approved 2017 Bicycle Master Plan. Therefore, these components will not be the subject of any new analysis in this Addendum.

- The Proposed Project would complete a planned Class I bike path that parallels Nohl Ranch Road and eventually connects at the intersection of Nohl Ranch Road and Anaheim Hills Road.
- The Class I bike path would provide a completely separated right-of-way designated for the use of bicycles.
- A portion of Riding and Hiking Trail No. 19 would be implemented along the conceptually planned alignment.

1.1.4 Summary of Changed Items

The project components listed below have changed since the certification of EIR No. 330 and the Master Plan Addendum.

- A new spur for the planned Class I bike path that is approximately 1,200 linear feet long would begin at the intersection of Avenida Bernardo North and Imperial Highway, stretching south along Imperial Highway.
- Ancillary features of the project include lighting, shared lane markings, signs to indicate directions and distances to nearby destinations, bicycle parking, and riding and hiking trails access.
- Additionally during design, pedestrian amenities will be evaluated including benches, shade structures, and a pedestrian signal crossing at South Scout Trail.

1.2 FORMAT OF ADDENDUM

This Addendum has been organized into three chapters, as described in the sections below.

Chapter 1.0: Introduction

Chapter 1.0 includes a description of the purpose and scope of the Addendum, previous environmental documentation, project approvals, findings of the Addendum, and existing documents to be incorporated by reference.

Chapter 2.0: Changes to Project

Chapter 2.0 describes the location and setting of the site, the necessary City discretionary actions to implement the Proposed Project, and an overview of the Proposed Project. Those project components that have the potential to have a physical effect on the environment are addressed in Chapter 4.0 of this Addendum.

Chapter 3.0: Environmental Checklist Information and Findings

Chapter 3.0 includes the background data on the Proposed Project (the Proposed Project title, the Lead Agency name and address, the contact person and phone number, the Proposed Project location, the Proposed Project sponsor's name and address, the General Plan Designation, the Zoning, and a brief description of the Proposed Project), as well as the environmental factors

potentially affected by the Proposed Project, and the Determination checklist that will be completed by the Lead Agency.

Chapter 4.0: Comparative Evaluation of Environmental Impacts

Chapter 4.0 contains the environmental analyses of the Proposed Project's impacts compared to the impacts analyzed in the certified General Plan Update EIR No. 330 and 2017 Bicycle Master Plan Addendum to EIR No. 330. This comparative analysis has been undertaken pursuant to provisions of CEQA to provide the City of Anaheim decision-makers with a factual basis for determining whether the Proposed Project, changes in circumstances, or new information since the EIRs were certified would require additional environmental review or preparation of a subsequent or supplemental EIR. Chapter 3.0 also contains findings for each environmental topic to determine whether conditions, as set forth in Public Resource Code (PRC) Section 15162 of the *State CEQA Guidelines* requiring preparation of a subsequent or supplemental EIR, have been met.

Environmental topics analyzed in this Addendum include:

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Climate Change/Greenhouse Gases
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population/Housing
- Public Services/Utilities/Energy Use
- Recreation
- Traffic and Transportation

1.3 EXISTING DOCUMENTS TO BE INCORPORATED BY REFERENCE

As permitted in Section 15150 of the *State CEQA Guidelines*, this Addendum has referenced several technical studies, analyses, and reports. Information from the documents that has been incorporated by reference has been briefly summarized in the appropriate section(s) of this Addendum. Documents incorporated by reference are available for review at the City of Anaheim, Public Works Department, located at 200 South Anaheim Boulevard, Anaheim, CA 92805. Contact Cesar Carrillo at (714) 765-5175 for additional information.

Documents incorporated by reference include, but are not limited to, the following:

- Anaheim General Plan and Zoning Code Update Environmental Impact Report No. 330 (2004);
- Anaheim General Plan, Green Element (2004 as revised); and
- 2017 Bicycle Master Plan, Addendum to the General Plan and Zoning Code Update EIR No. 330 and Housing Opportunities Sites Rezoning Project EIR No. 346 (May 23, 2017).

1.4 CONTACT PERSONS

The Lead Agency for the Addendum for the Proposed Project is the City of Anaheim. Questions regarding preparation of this Addendum, its assumptions, or its conclusions should be referred to:

Cesar Carrillo, P.E., Principal Civil Engineer
City of Anaheim, Public Works Department
200 South Anaheim Boulevard
Anaheim, CA 92805

2.0 CHANGES TO PROJECT

2.1 PROJECT SITE LOCATION AND SETTING

2.1.1 Project Site Location

The project site is situated on City right-of-way and land located in the eastern portion of the City of Anaheim south of State Route 91 (SR-91), in the Anaheim Hills area of Orange County, California. The project site is located north of Nohl Ranch Road and would provide both a bikeway and a riding and hiking trail connection between Imperial Highway and Anaheim Hills Road. Refer to Figure 2-1 for the proposed alignment of the project.

2.2 PROJECT HISTORY

The 2004 General Plan was approved as part of the City's comprehensive General Plan and Zoning Code Update completed in May 2004. The City certified Program EIR No. 330 ("EIR No. 330") for the General Plan and Zoning Code Update on May 25, 2004 ("Update Project"). The 2017 Bicycle Master Plan served as an Addendum to the Update Project and was approved on May 23, 2017 ("Master Plan Addendum"). Mitigation Monitoring Program (MMP) No. 122A was approved as part of EIR No. 330, and MMP No. 343 was approved as part of the Master Plan Addendum. The City has determined that the proposed Addendum to EIR No. 330 and the Master Plan Addendum would be the appropriate environmental review for the Proposed Project, consistent with Sections 15162 and 15163 of the *State CEQA Guidelines*. Applicable mitigation measures from the previous MMPs have been incorporated into the MMP for the Proposed Project.

2.2.1 Previous Environmental Analysis

EIR No. 330 for the Update Project

The Update Project identified the City's vision for its development from buildout through 2035 and included revisions to the existing Land Use Element; the Economic Development Element (which incorporated the previous Redevelopment Element); the Circulation Element; the Growth Management Element; the Green Element (which incorporated the previous Parks, Recreation and Community Services; Open Space; and Conservation Element); the Noise Element; and the Safety Element (which incorporated the previous Safety and Seismic Safety Elements). In addition to the topics addressed in the previous General Plan Elements, new goals, policies, and programs were developed to address community design, economic development, and public services and facilities.

The Update Project also involved a comprehensive update to Title 18 of the Anaheim Municipal Code, which contains the City's zoning regulations. Title 18 was amended to implement the updated General Plan and included innovative zoning solutions that convey community expectations for future development. Other actions included amendments to the Anaheim Stadium Master Land Use Plan and/or the development of an overlay zone for this area, the Anaheim Resort Specific Plan, the Northeast Area Specific Plan, zoning reclassifications within the Cypress Canyon Specific Plan Area, and portions of the Anaheim Colony Historical District consistent with and necessary to implement the General Plan and Zoning Code Update.

This page intentionally left blank

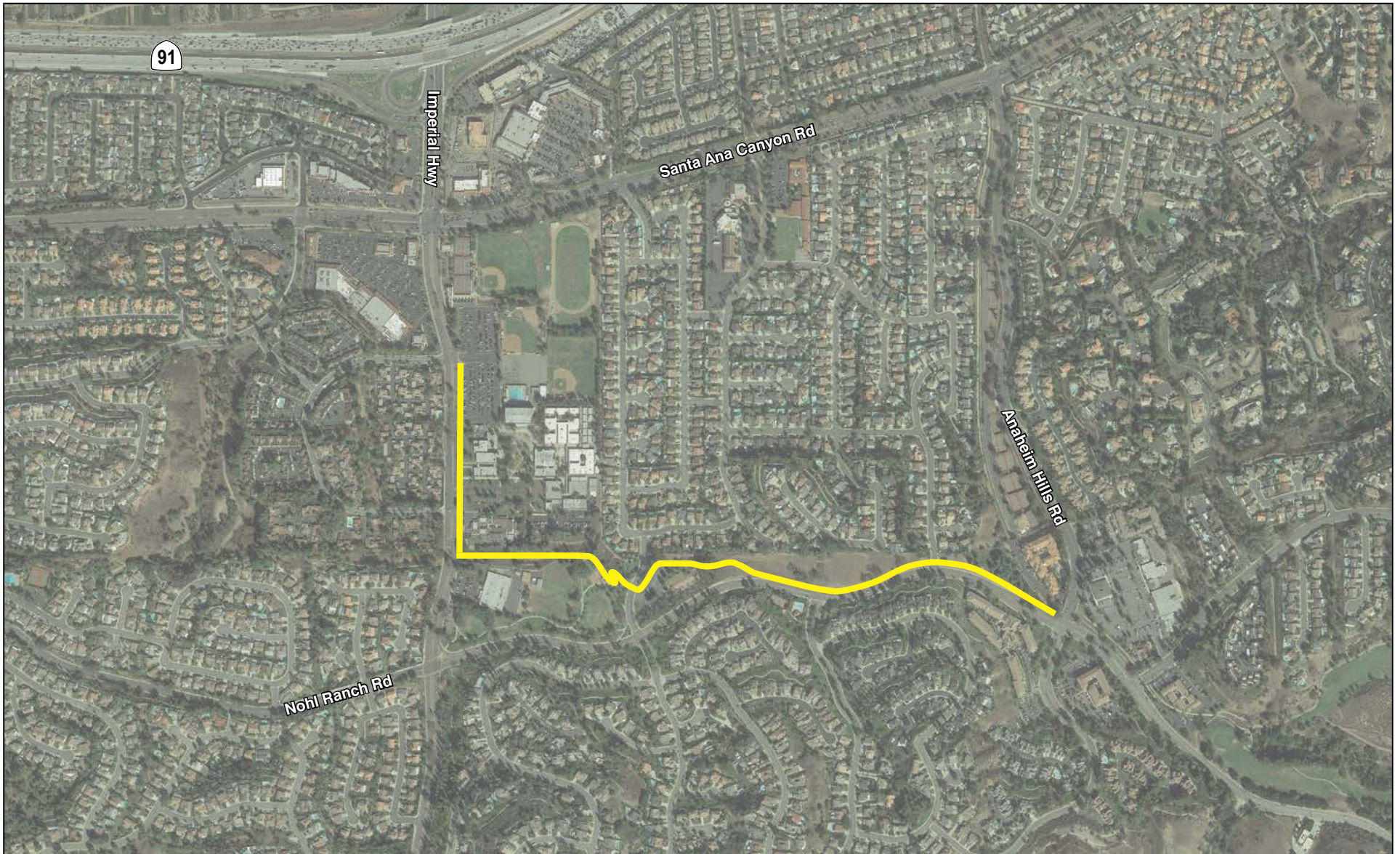
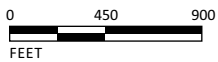


FIGURE 2-1

LSA

LEGEND

— - Proposed Alignment



SOURCE: Google Earth

This page intentionally left blank

2017 Bicycle Master Plan Addendum to EIR No. 330 and EIR No. 346

The 2017 Bicycle Master Plan provides guidance to the City of Anaheim for its implementation of citywide bicycle facilities. This 2017 Master Plan supersedes the 2004 Bicycle Master Plan and improves bicycling safety, comfort, and accessibility. The Master Plan identifies a network of existing and proposed bicycle facilities that are expected to improve connectivity and increase bicycling as a mode of transportation, especially for short trips. The existing and proposed bicycle facilities include a system of on-street bike lanes and routes and off-street bike paths to connect residents, visitors, and workers to their destinations. The Master Plan does not remove any vehicle travel lanes in favor of bicycle lanes. Class II and III bikeways are proposed to be implemented within the ultimate right-of-way as described in the Circulation Element of the Anaheim General Plan and the associated Planned Roadway Network Map, which was approved in conjunction with the Certified EIR. The 2017 Master Plan was prepared to meet the State of California requirements for a Bicycle Transportation Plan per Section 891.2 of the California Streets and Highways Code. The Master Plan included an amendment to the Anaheim General Plan and amendments to the Anaheim Canyon Specific Plan, the Platinum Triangle Master Land Use Plan, Anaheim Resort, and the Disneyland Resort Specific Plans, as analyzed under Supplemental EIR No. 346. Bike Route No. 21 was included in the 2017 Bicycle Master Plan and is shown on Figure 2-2 as the new spur alignment.

2.3 PROJECT CHANGES

2.3.1 Proposed Changes to EIR No. 330 and Master Plan Addendum

The Proposed Project would occur on portions of Bike Route No. 21; however, a new northern spur of this bikeway would be located at the intersection of Avenida Bernardo North and run south along Imperial Highway (for approximately 1,200 linear feet) to meet up with the originally planned alignment on the east side of Imperial Highway. West of Imperial Highway, Bike Route No. 21 has a proposed alignment at its northern terminus at South Avenida Margarita and runs through Pelanconi Park, turning east to cross Imperial Highway, which is still planned for implementation when funding is available. Specific project elements such as proposed grading, lighting, signage, and bicycle parking were not analyzed in the previous EIR or Addendum. Refer to Figure 2-2 for the new spur and bikeway alignment. In addition, the Proposed Project plans to implement Riding and Hiking Trail No. 20 as conceptually shown on the Equestrian Riding and Hiking Trails Plan of the City's Green Element; refer to Figure 2-3 for those details.

2.3.2 Project Setting and Existing Conditions

Existing Land Use

According to the City's General Plan Land Use Plan, the project alignment is located within areas designated Schools, Parks, Institutional, and Open Space; refer to Figure 2-4 for those designations. The project site is zoned Transitional (T), which is intended to provide a zone for land that is used for agricultural uses, in a transitory or interim use, restricted to limited uses because of special conditions, or not zoned to one of the zoning districts. The site is also within the Scenic Corridor Overlay Zone, which is intended to provide for and promote orderly growth in certain areas of the

This page intentionally left blank

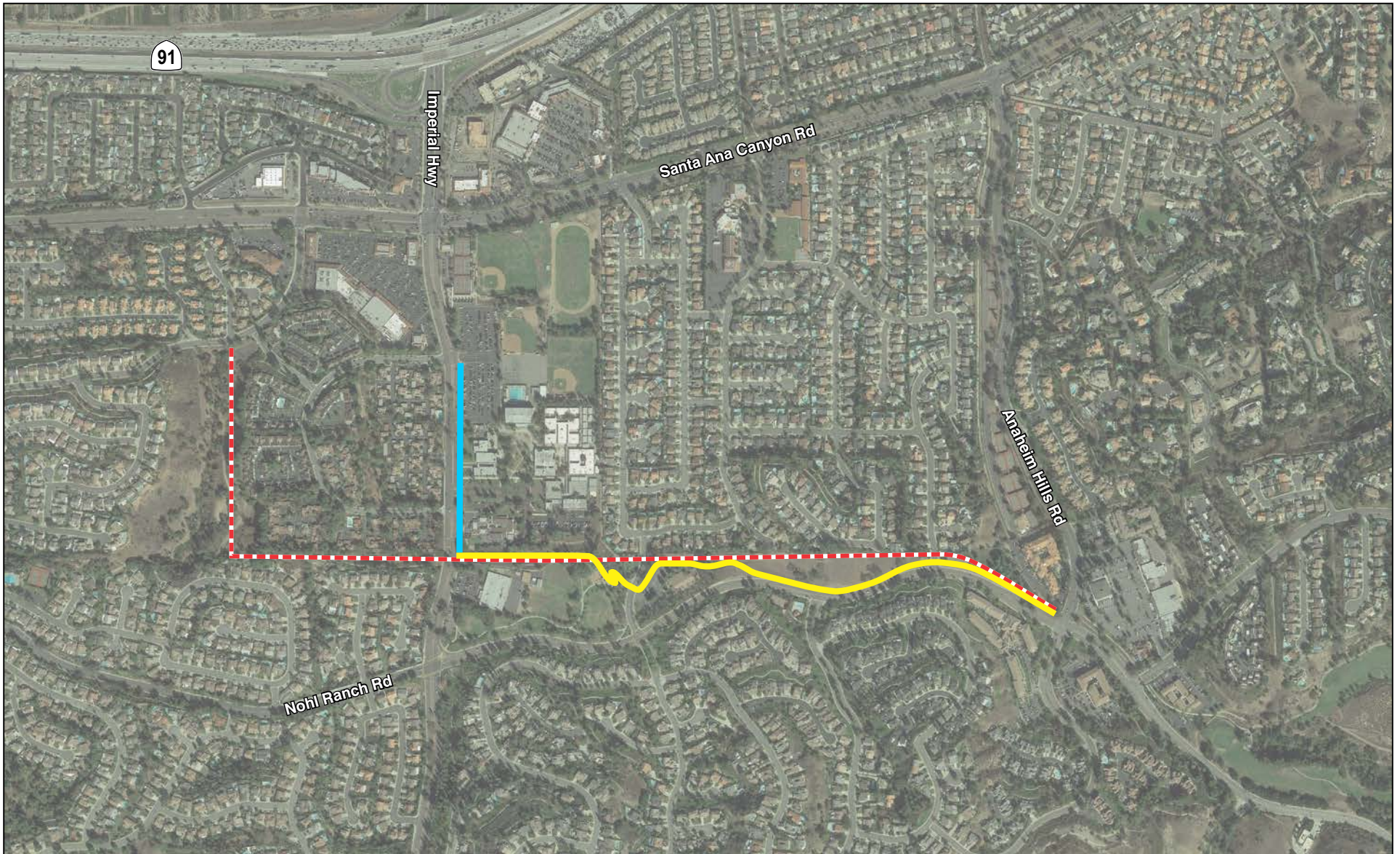
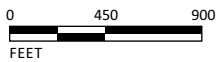


FIGURE 2-2

LSA



SOURCE: Google Earth

LEGEND

- - Proposed Alignment
- - - - Bikeway Master Plan Alignment Route No. 21
- - New Spur

Nohl Ranch Open Space Trail
New Spur Alignment for Bike Route 21

This page intentionally left blank

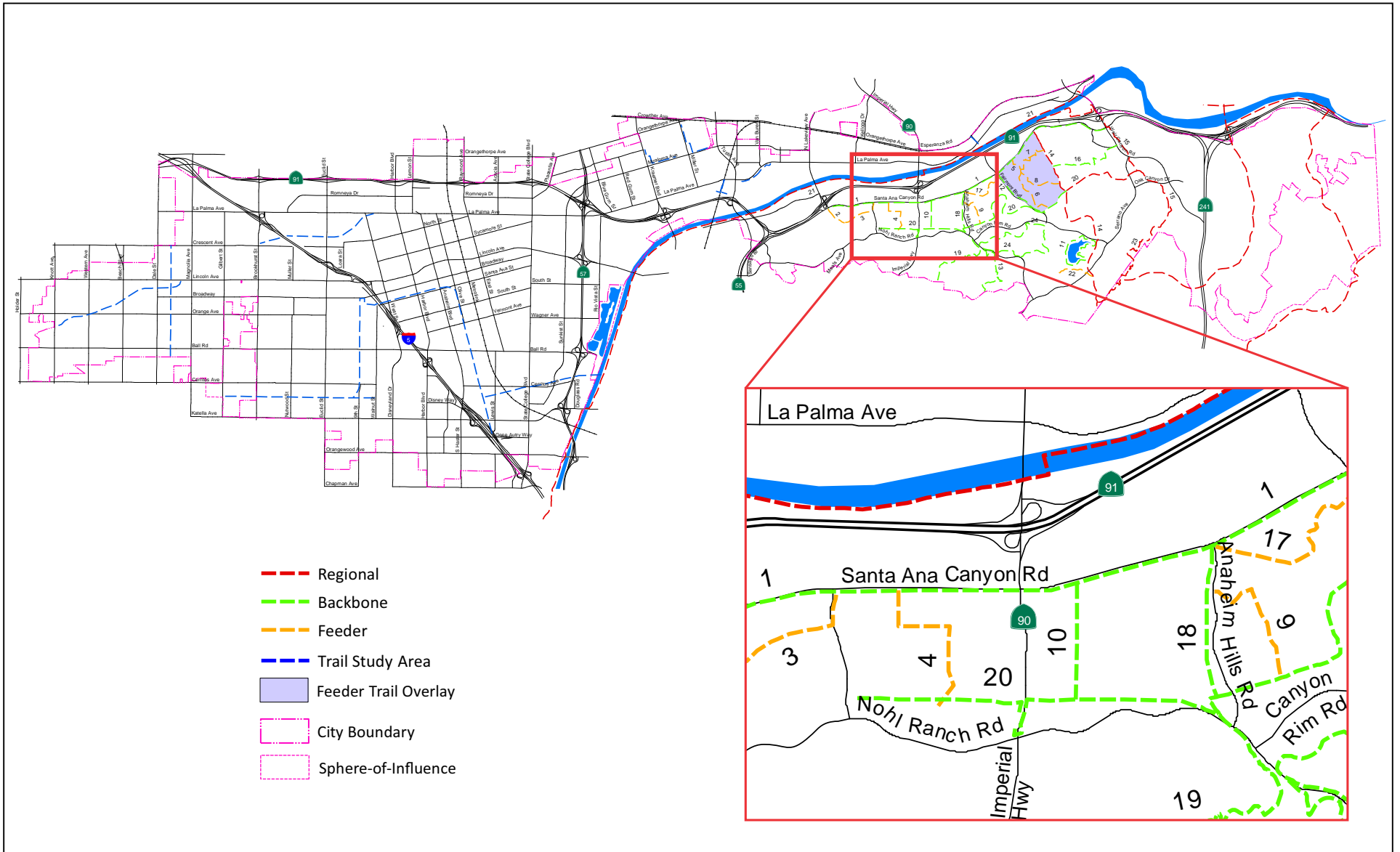


FIGURE 2-3

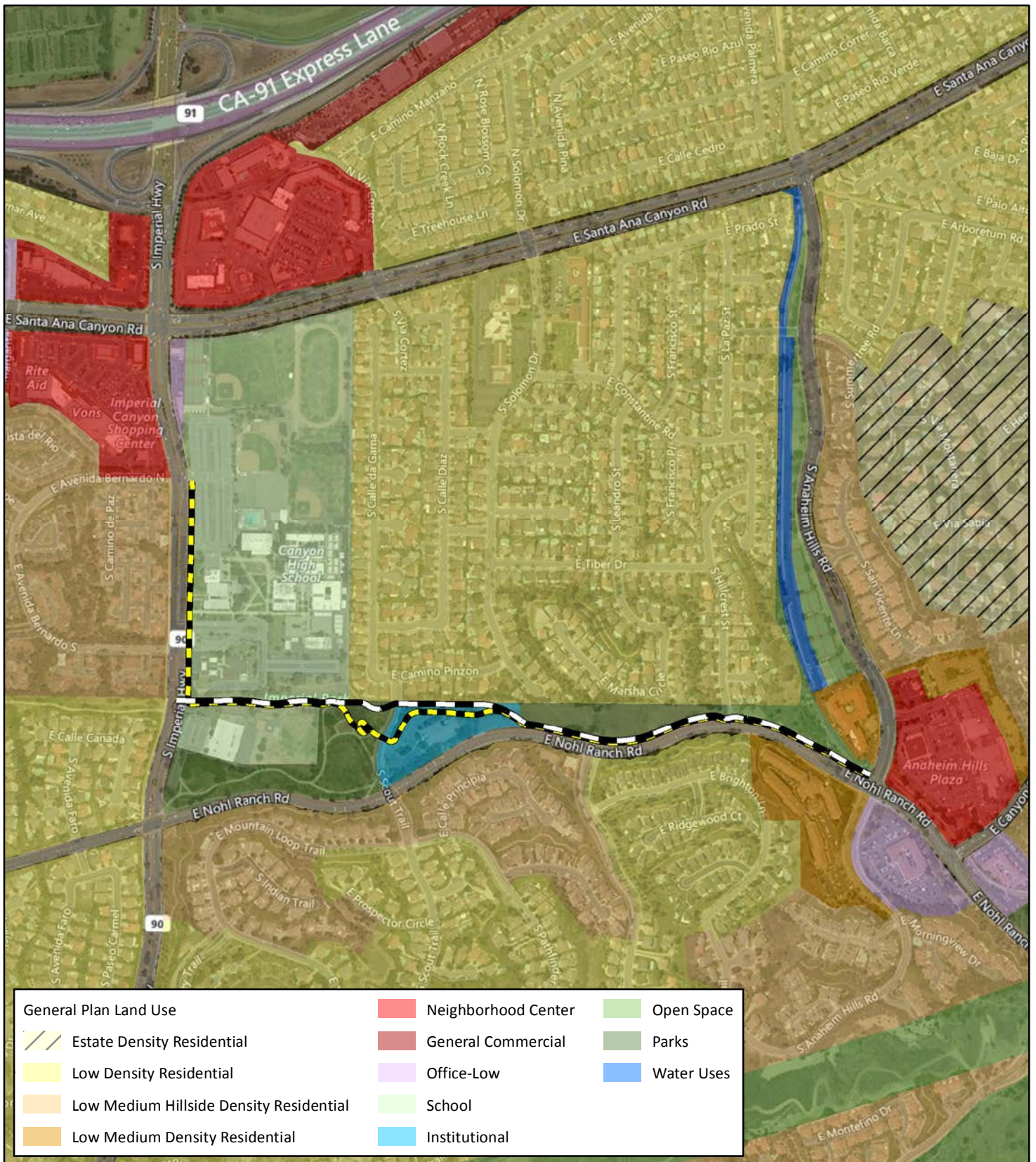
LSA



SOURCE: Anaheim Green Element (2004)

I:\GHD1702\G\Equestrian_Ride_Hike_Trails.cdr (11/9/2018)

This page intentionally left blank

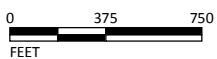


General Plan Land Use	Neighborhood Center	Open Space
Estate Density Residential	General Commercial	Parks
Low Density Residential	Office-Low	Water Uses
Low Medium Hillside Density Residential	School	
Low Medium Density Residential	Institutional	

L
S
A

LEGEND

- Proposed Bike Path
- Proposed Trail Path



SOURCE: Bing Maps (2015); City of Anaheim (2017)

I:\GHD1702\GIS\MXD\GeneralPlanLandUse.mxd (4/19/2018)

FIGURE 2-4

*Nohl Ranch Open Space Trail
Alignment Study - Alternative 2*
General Plan Land Use Designations

This page intentionally left blank

City designated as being of distinctive, scenic importance, while implementing local governmental agency actions for the protection, preservation, and enhancement of the unique and natural scenic assets of these areas as a valuable resource to the community. These areas are designated as an area of distinctive natural and rural beauty, characterized and exemplified by the interrelationship between such primary natural features as the rolling terrain, winding rivers, tree windbreaks, and the profusion of natural vegetation.

Surrounding Land Uses

As shown on Figure 2-5, adjacent land uses include Canyon High School and Canyon Hills School east of the Imperial Highway segment; Imperial Elementary School, Imperial Park, Canyon Hills Library, and Canyon Hills Club south of the alignment and north of Nohl Ranch Road; and single-family residential homes north, west, and south of the alignment.

2.4 PROJECT CHARACTERISTICS

2.4.1 Conceptual Design

The Proposed Project includes the development of a two-way Class I bikeway that will be 12 feet (ft) wide (8 ft path and 2 ft wide shoulders) in compliance with California Department of Transportation (Caltrans) standards and a 10 ft wide riding and hiking trail in compliance with Anaheim Riding and Hiking Trail Design Standard Detail No 643 (1992).¹ The project will also include fencing (where the riding and hiking trails is adjacent to Nohl Ranch Road), signage, and bicycle parking. The bikeway will be designed in accordance with the Caltrans bicycle standards. Refer to Figure 2-6 for the typical sections for segments of the bikeway and the riding and hiking trail design.

2.4.2 Project Components

As shown earlier on Figure 2-2, the proposed Class I bikeway and riding and hiking trails would be developed side by side on approximately 5,300 linear feet along Imperial Highway and undeveloped land north of Nohl Ranch Road. The Proposed Project would require right-of-way easements from several property owners including: Canyon Hills Library, Imperial Park, and Imperial Elementary School. It is anticipated that the Proposed Project will not encroach into existing structures. A portion of the trail would follow an existing gas utility easement, but the project design would avoid existing utilities in this area. The conceptual design of the alignment and easement areas is shown on Figure 2-6. The Questar Southern Trails Pipeline (formerly the "Four Corners Pipeline Line 90," a 16-inch natural gas pipeline) is within the gas easement. A project notice will be sent to Questar for confirmation. The majority of the trail alignment will be located within a City-owned existing electrical easement. Utilities along Imperial Highway, including telephone cabinets, electrical cabinets, and water meters, would be relocated as part of the Proposed Project. As mentioned above, ancillary features of the Proposed Project include a traffic light at the crossing of South Scout Trail, shared lane markings, signs to indicate directions and connections, and distances to nearby destinations, and bicycle parking. During final design, pedestrian amenities will be evaluated including benches and shade structures.

¹ Between approximately Sta. 26+50 to 31+00, the Anaheim Riding and Hiking Trail will be narrowed down to avoid impacting the slope north of the trail further than the existing v-ditch.

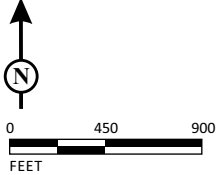
This page intentionally left blank



FIGURE 2-5

LSA

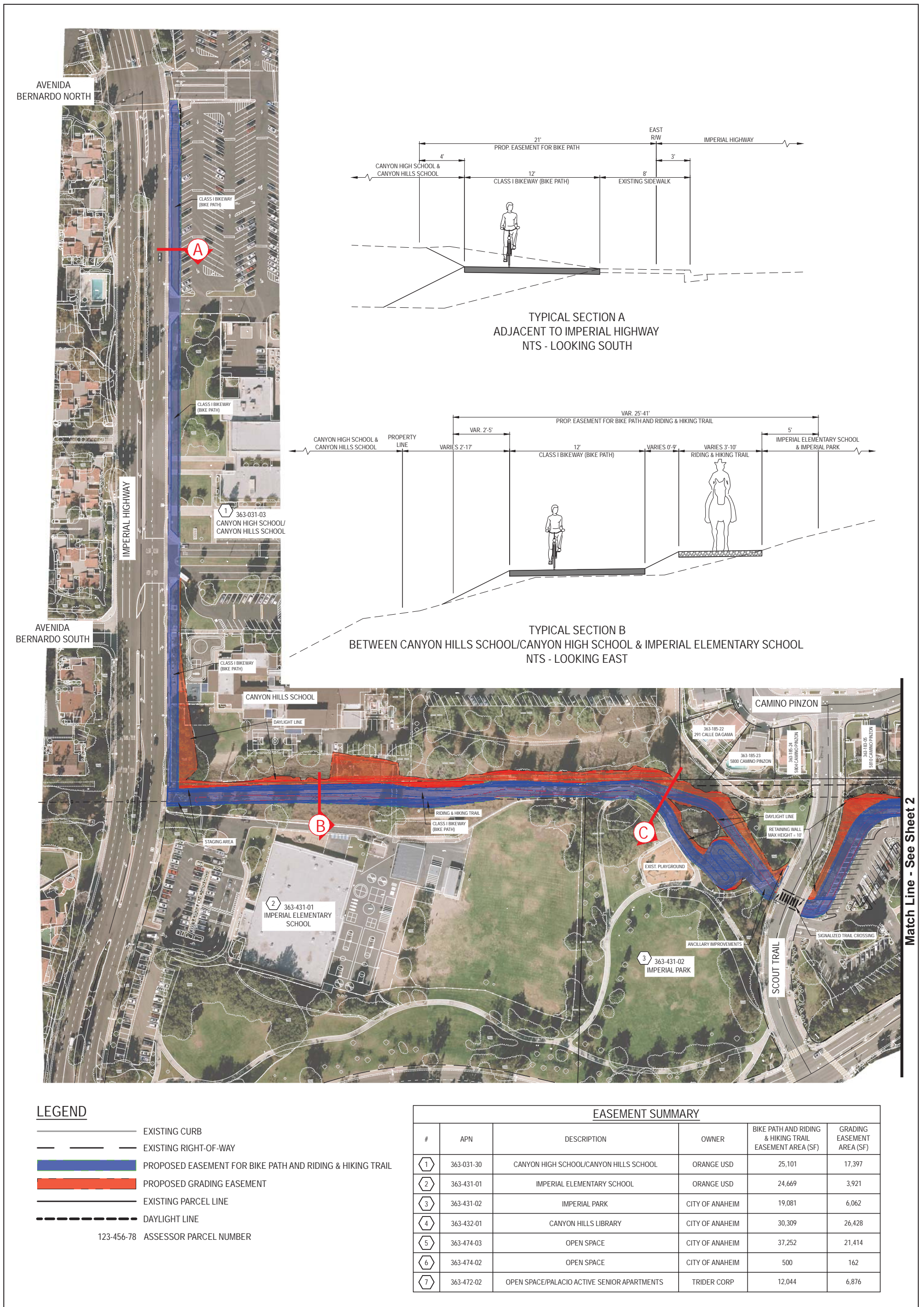
LEGEND
 — - Proposed Alignment



SOURCE: Google Earth

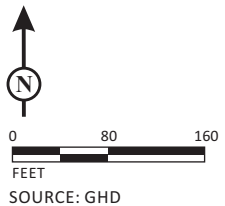
Nohl Ranch Road Open Space Trail
 Surrounding Land Uses

This page intentionally left blank



Match Line - See Sheet 2

LSA

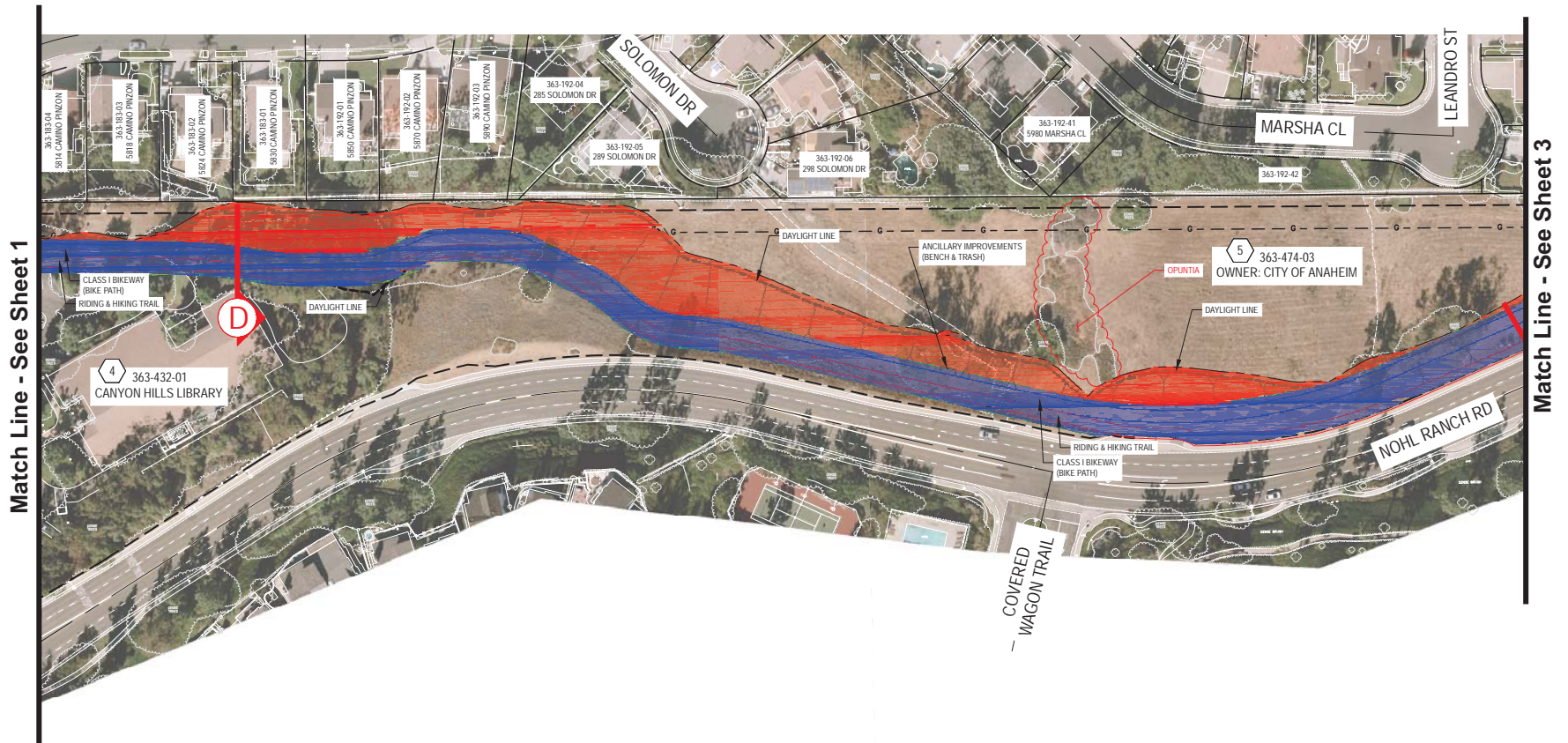
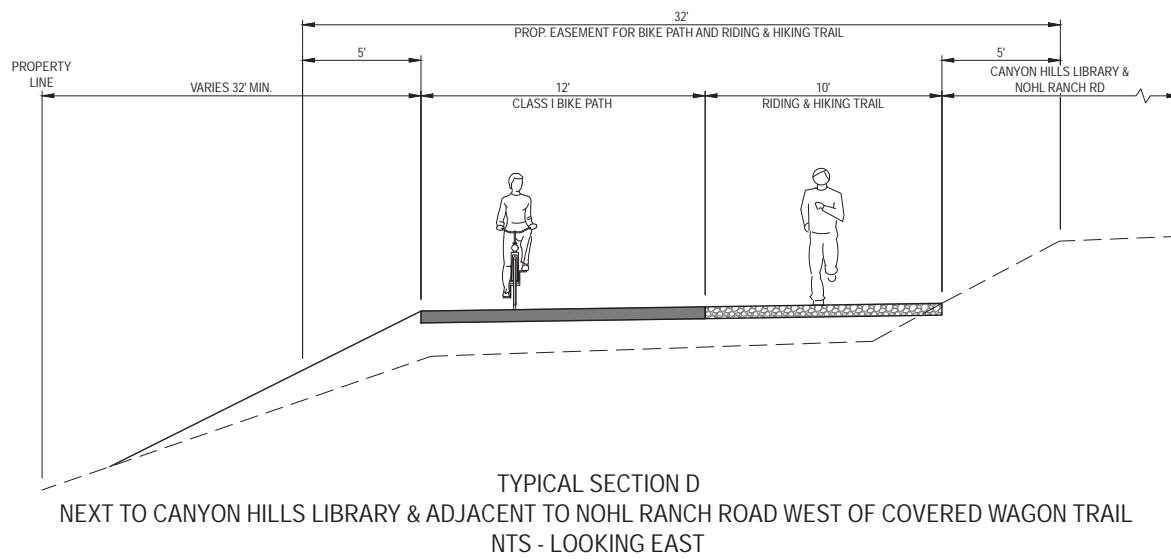
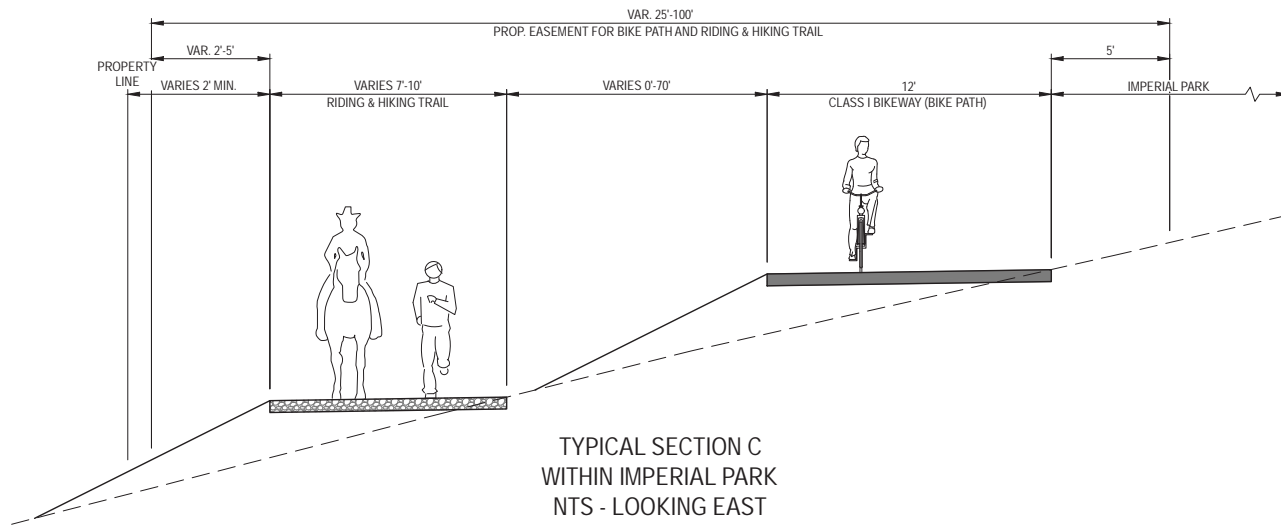


SOURCE: GHD

FIGURE 2-6
Sheet 1 of 3

Nohl Ranch Open Space Trail
Precise Alignment and Easement Areas

This page intentionally left blank



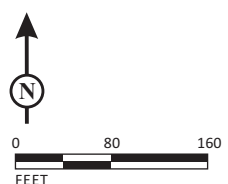
LEGEND

- EXISTING CURB
- EXISTING RIGHT-OF-WAY
- PROPOSED EASEMENT FOR BIKE PATH AND RIDING & HIKING TRAIL
- PROPOSED GRADING EASEMENT
- EXISTING PARCEL LINE
- - - DAYLIGHT LINE
- 123-456-78 ASSESSOR PARCEL NUMBER

EASEMENT SUMMARY

#	APN	DESCRIPTION	OWNER	BIKE PATH AND RIDING & HIKING TRAIL EASEMENT AREA (SF)	GRADING EASEMENT AREA (SF)
1	363-031-30	CANYON HIGH SCHOOL/CANYON HILLS SCHOOL	ORANGE USD	25,101	17,397
2	363-431-01	IMPERIAL ELEMENTARY SCHOOL	ORANGE USD	24,669	3,921
3	363-431-02	IMPERIAL PARK	CITY OF ANAHEIM	19,081	6,062
4	363-432-01	CANYON HILLS LIBRARY	CITY OF ANAHEIM	30,309	26,428
5	363-474-03	OPEN SPACE	CITY OF ANAHEIM	37,252	21,414
6	363-474-02	OPEN SPACE	CITY OF ANAHEIM	500	162
7	363-472-02	OPEN SPACE/PALACIO ACTIVE SENIOR APARTMENTS	TRIDER CORP	12,044	6,876

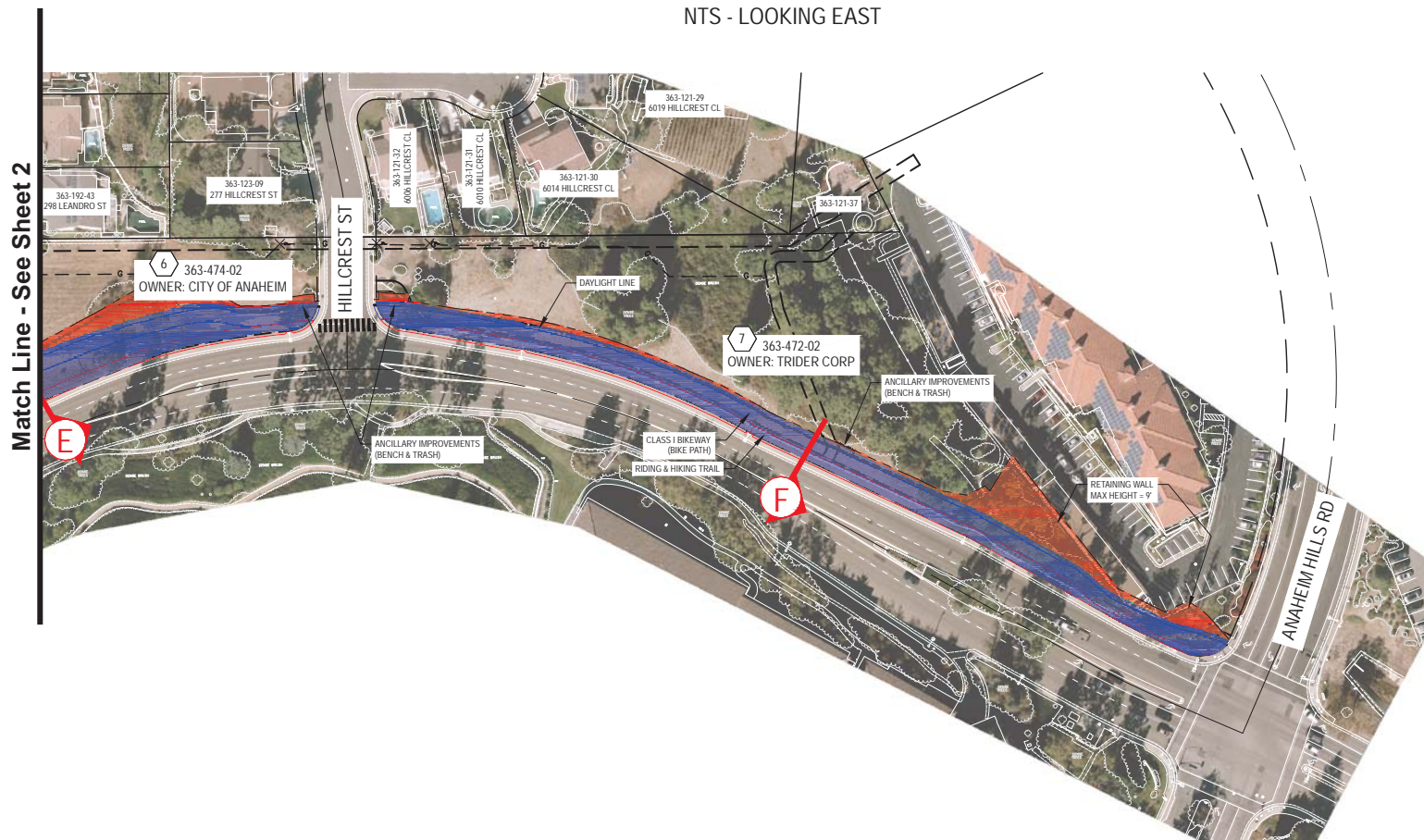
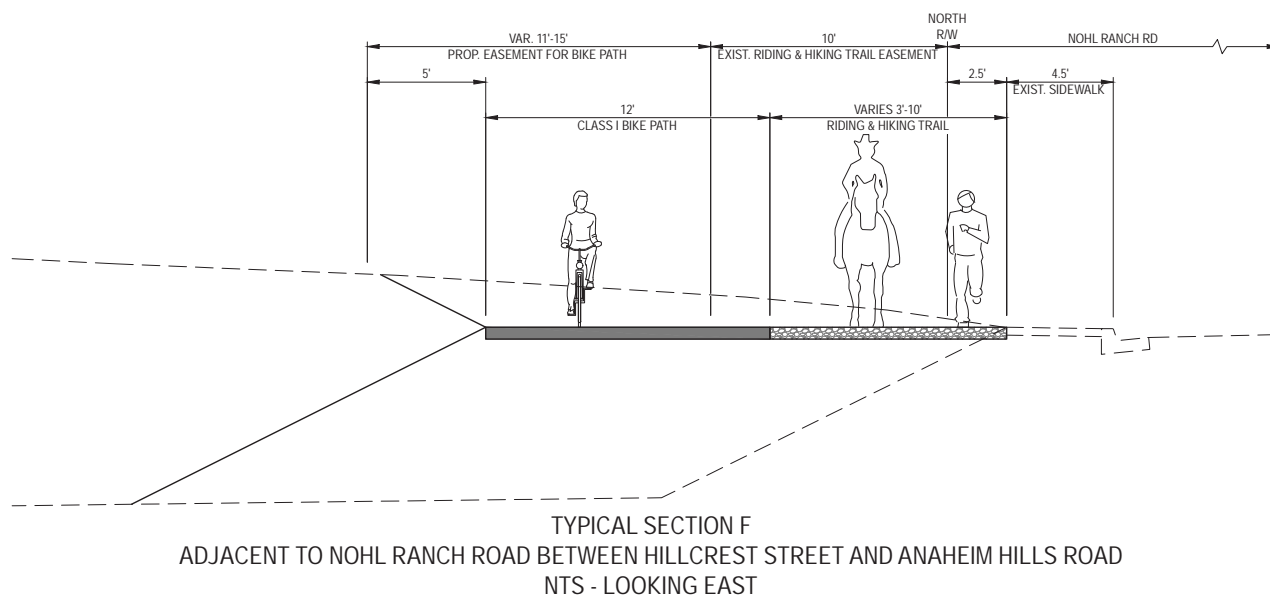
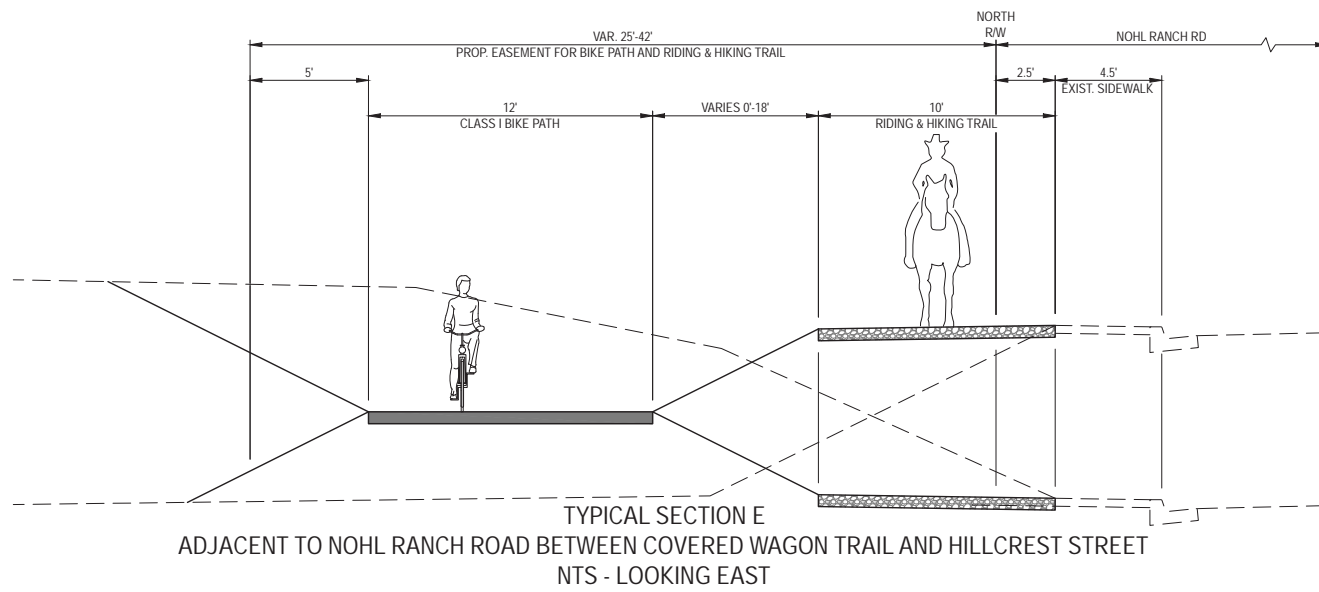
LSA



SOURCE: GHD

FIGURE 2-6
Sheet 2 of 3

This page intentionally left blank



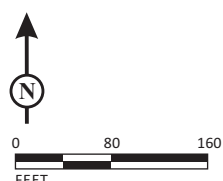
LEGEND

- EXISTING CURB
- EXISTING RIGHT-OF-WAY
- PROPOSED EASEMENT FOR BIKE PATH AND RIDING & HIKING TRAIL
- PROPOSED GRADING EASEMENT
- EXISTING PARCEL LINE
- - - DAYLIGHT LINE
- 123-456-78 ASSESSOR PARCEL NUMBER

EASEMENT SUMMARY

#	APN	DESCRIPTION	OWNER	BIKE PATH AND RIDING & HIKING TRAIL EASEMENT AREA (SF)	GRADING EASEMENT AREA (SF)
1	363-031-30	CANYON HIGH SCHOOL/CANYON HILLS SCHOOL	ORANGE USD	25,101	17,397
2	363-431-01	IMPERIAL ELEMENTARY SCHOOL	ORANGE USD	24,669	3,921
3	363-431-02	IMPERIAL PARK	CITY OF ANAHEIM	19,081	6,062
4	363-432-01	CANYON HILLS LIBRARY	CITY OF ANAHEIM	30,309	26,428
5	363-474-03	OPEN SPACE	CITY OF ANAHEIM	37,252	21,414
6	363-474-02	OPEN SPACE	CITY OF ANAHEIM	500	162
7	363-472-02	OPEN SPACE/PALACIO ACTIVE SENIOR APARTMENTS	TRIDER CORP	12,044	6,876

LSA



SOURCE: GHD

FIGURE 2-6
Sheet 3 of 3

This page intentionally left blank

The riding and hiking trails will be constructed with decomposed granite. The bikeway will be constructed of permeable pavement with unpaved gravel shoulders. In order to meet certain design requirements or where the alignments are constrained by existing structures or topography, the typical section may be narrowed and/or retaining walls have been included in the design. The exact design and location of the walls and narrowed trails will be included in the final design.

ADA Compliance

The Class I bikeway would be compliant with the Americans with Disabilities Act (ADA) except for a small portion (300 ft strip) between the schools along Imperial Highway. The riding and hiking trails is not required to be ADA-compliant and may have steep grades where the alignment is topographically constrained.

Easement Acquisitions

The project will require the acquisition of the easements which will be in compliance with all applicable laws and regulations. No residential or business relocations are anticipated. The City of Anaheim will be responsible for the coordination with impacted property owners. Table 2.1, below, describes the easement acquisitions required for the Proposed Project, including the Assessor’s Parcel Numbers (APNs), the property owners, and the square footage required for the easement areas and the area needed for grading. Refer to Figure 2-6, which shows the easement areas.

Table 2.1: Easement Acquisitions

No.	APN	Property	Owner	Bike Path/Riding and Hiking Trail Easement Area (sf)	Grading Easement Area (sf)
1	363-031-30	Canyon High School/Canyon Hills	Orange USD	25,101	17,397
2	363-431-01	Imperial Elementary	Orange USD	24,699	3,921
3	363-431-02	Imperial Park	Anaheim	19,081	6,062
4	363-432-01	Canyon Hills Library	Anaheim	30,309	26,428
5	363-474-03	Open Space	Anaheim	37,252	21,414
6	363-474-02	Open Space	Anaheim	500	162
7	363-472-02	Open Space/Palacio Senior Apts	Trider Corp	12,044	6,876

Source: City of Anaheim, Preliminary Engineering Exhibit (October 2017).

APN = Assessor’s Parcel Number

sf = square foot/feet

USD = Unified School District

Low Impact Development (LID) Concept

The bikeway will be constructed of a permeable pavement to allow infiltration of storm water. This permeable pavement reduces the impervious area and reduces overall downstream drainage in stormwater conveyances. In addition, project construction activities will comply with the applicable requirements of the current municipal separate stormwater sewer (MS4) Permit Program. A Stormwater Pollution Prevention Plan (SWPPP) will be prepared for the Proposed Project and reviewed by the City’s Environmental Services staff to ensure water quality is protected during the

construction process. The project will comply with all federal, State, and local requirements related to water quality and waste discharge.

Grading, Drainage, and Utilities

Grading. The Proposed Project would require approximately 17,011 cubic yards of import to complete the trail. Generally, excavation depths will not exceed 5 ft below ground surface (bgs).

Drainage. The project site has a hilly topography. The trail design includes grades to allow sheetflow away from the trails to adjacent vegetation and local storm drains.

Utilities. The Proposed Project would require the relocation of public utilities along Imperial Highway, consisting of telephone cabinets, electrical cabinets, and water meters. Utilities within the utility easements (including a buried gas line and electrical power poles) will be avoided.

Signage

Signage for the Proposed Project would include bikeway and trail identification signs, informational and connection signs, and other safety/warning signs as necessary. All signage will be included within existing right-of-way/easements.

Tree Removal and Landscaping

The Proposed Project would require the removal of the existing trees along the alignment. As the project site is located within the Scenic Corridor Overlay Zone, specific trees may be considered protected and could require replacement trees in accordance with the City's Municipal Code Section 18.18.040. Landscaping for the Proposed Project would include replacement of existing trees and a native plant palette suited to the project area.

2.4.3 Construction Schedule

It is anticipated that the active construction period for the Proposed Project will be approximately 6 months; however, the total construction period may be longer depending on funding availability and whether bird nesting season would allow for construction and/or weather delays. The earliest possible projections would be to commence construction in 2019. Completion would depend on funding and right-of-way acquisition. No nighttime or overtime construction is proposed.

Construction hours will be in compliance with the City's Noise Ordinance, which exempts sound created by construction or building repair of any premises within the City from the applications of the Municipal Code during the hours of 7:00 a.m. and 7:00 p.m. Construction will not occur on weekends.

2.5 ANTICIPATED APPROVALS AND PERMITS

The discretionary action for this project requiring CEQA compliance is the advertisement for Final Design. Other components of the discretionary action to be taken by the Anaheim City Council include: approval of this Addendum to EIR No. 330 and the Master Plan Addendum, a grading permit, a utility easement, and signage permits. This Addendum to EIR No. 330 and the Master Plan Addendum is intended to serve as the primary environmental document for all future actions

associated with the Proposed Project, including all discretionary approvals requested or required to implement the Proposed Project. In addition, this Addendum is the primary reference document for the formulation and implementation of an MMP for the Proposed Project. All applicable measures from the MMPs approved in conjunction with EIR No. 330 and the Master Plan Addendum have been incorporated into this document. This document is intended to provide sufficient information to allow the City of Anaheim and any other permitting agencies to evaluate the potential impacts from construction and implementation of the Proposed Project. It is anticipated that the Proposed Project will or may require the approvals and permits listed below.

- a. Addendum to the existing EIR for the General Plan Update and the 2017 Bicycle Master Plan;
- b. Grading permits;
- c. Utility easement;
- d. Approval of land acquisition parcels;
- e. Any other necessary discretionary or ministerial permits and approvals required for the construction or operation of the Proposed Project.

In addition, the City anticipates partial funding with Federal Bicycle Corridor Improvement Program (BCIP) funds, which will require separate compliance with the National Environmental Policy Act (NEPA) and coordination with Caltrans in its role conducting NEPA oversight for the State per the Moving Ahead for Progress in the 21st Century Act (MAP-21).

This page intentionally left blank

3.0 ENVIRONMENTAL CHECKLIST INFORMATION AND FINDINGS

3.1 BACKGROUND

1. **Project Title:** Nohl Ranch Open Space Trail
2. **Lead Agency Name and Address:**
City of Anaheim
Public Works Department
200 South Anaheim Boulevard
Anaheim, CA 92805
3. **Contact Person and Phone Number:**
Cesar Carrillo
(714) 765-5175
4. **Project Location:**
The proposed trail is in Anaheim Hills at the intersection of Avenida Bernardo North and Imperial Highway and runs east on the north side of Nohl Ranch Road terminating at Anaheim Hills Road.
5. **Project Sponsor's Name and Address:**
City of Anaheim
Public Works Department
200 South Anaheim Boulevard
Anaheim, CA 92805
6. **General Plan Designation:**
Schools, Parks, Institutional, and Open Space
7. **Zoning:**
Transitional (T)
Scenic Overlay (SC)
8. **Description of Project:**
The Proposed Project would include a Class I bike path and pedestrian trail for approximately 5,100 linear feet along Imperial Highway and undeveloped land north of Nohl Ranch Road. Ancillary features of the Proposed Project would include lighting, shared lane markers, signage, bicycle parking, benches, shade structures, and a pedestrian crossing signal at South Scout Trail.
9. **Surrounding Land Uses:**
Adjacent land uses include Canyon High School and Canyon Hills School, Imperial Elementary School, Imperial Park, Canyon Hills Library, Canyon Hills, and single-family residential homes.
10. **Other Public Agencies Whose Approval is Required (e.g., permits, financing approval, etc.):**
None.

3.2 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that would represent a new significant environmental effect, a substantial increase in the severity of a significant impact previously identified, or new information of substantial importance, as indicated by the checklist on the following pages.

- | | | |
|---|--|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agricultural and Forest Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality |
| <input type="checkbox"/> Land Use/Planning | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population/Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation/Traffic | <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |

3.3 DETERMINATION (TO BE COMPLETED BY THE LEAD AGENCY)

On the basis of this initial evaluation:

- I find that the Proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the Proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the Proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the Proposed Project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the Proposed Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the Proposed Project, nothing further is required.

Signature

Date

Printed Name

For

4.0 COMPARATIVE EVALUATION OF ENVIRONMENTAL IMPACTS

The following discussion contains an analysis of the potential impacts of the changes to the project. The potential impacts of the changes to the project are compared to impacts identified for the Update Project analyzed in FEIR No. 330 that was certified by the City on May 25, 2004, as well as the Master Plan Addendum certified by the City on May 23, 2017. As explained in Chapter 1.0, this comparative analysis has been undertaken pursuant to CEQA and to provide the City decision-makers with a factual basis for determining whether the proposed changes to the approved projects, changes in circumstances, or new information since the certification of EIR No. 330 and Master Plan Addendum require additional environmental review or preparation of a subsequent or supplemental EIR pursuant to Section 15162. The basis for each finding is explained in the analysis that follows.

4.1 AESTHETICS

4.1.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

Implementation of the Update Project was found to have less than significant impacts on scenic vistas. The City is largely built out. The City contains two major open space features: the Hill and Canyon Area in the east part of the City, and the Santa Ana River. The segment of SR-91 between State Route 55 (SR-55) and the eastern city boundary is a designated State Scenic Highway. The Update Project included policies to protect view corridors and scenic resources within the SR-91 scenic highway, including the designation of 7,788 acres in the City as Open Space/Recreation, to include 5,093 acres of Open Space.

2017 Master Plan Addendum

Implementation of the 2017 Plan was found to not result in substantially greater impacts to scenic vistas, scenic resources, visual character, and light and glare than analyzed in EIR No. 330. In addition, the Master Plan Addendum concluded, where construction of Class I Bike Paths would require additional rights-of-way acquisition and/or new alignments that pass through parklands and/or open space areas, and where bridges/crossings are proposed, additional project-specific CEQA analysis may be required.

4.1.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(c)	Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a) Have a substantial adverse effect on a scenic vista?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Vistas in Anaheim or visible from Anaheim identified in the City's General Plan include the City's Hill and Canyon area; the Santa Ana Mountains; golf courses; and the Santa Ana River. The Proposed Project would add a new spur to the alignment of Bike Route No. 21 that has a northern terminus at Avenida Bernardo North and extends south along Imperial Highway. The Proposed Project would also include a planned riding and hiking trail adjacent to the proposed bike route. Implementation of the Proposed Project would not result in substantially greater impacts to scenic vistas than analyzed in EIR No. 330 or the Master Plan Addendum because the proposed trails do not occur in highly visible areas where scenic vistas occur. No changes or new information would require preparation of a subsequent EIR.

(b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. There is one designated State Scenic Highway in the City: SR-91 from SR-55 east to the City boundary. The Proposed Project would add to the alignment of Bike Route No. 21 and include an adjacent pedestrian trail, located approximately 0.4 mile south of SR-91.

In addition, the City's Zoning Code provides for a scenic overlay zone in order to promote orderly growth in the scenic area of Anaheim Hills. The project site is located in the Scenic Corridor Overlay Zone as the zone is defined as that area lying easterly of the intersection of SR-55 and SR-91, west of the Riverside County line, south of the BNSF Railway (formerly the Atchison, Topeka and Santa Fe Railroad) right-of-way, and north of the present or any future southern limits of the City of Anaheim.

The Scenic Corridor Overlay Zone protects significant stands and single specified trees as a necessary means to preserve the natural beauty of the Santa Ana Canyon environment, increase the visual identity and quality of the area, and protect the remaining natural amenities from premature removal or destruction. As of October 1, 2018, the City is in the process of adopting an amendment to exclude eucalyptus trees from the Specimen Tree definition. The requirement is specified as follows with the amendment shown in redline:

"Specimen Tree" shall mean any tree of the ~~Eucalyptus varieties (Eucalyptus),~~ Quercus varieties (Oak), Schinus varieties (Pepper), or Platanus varieties (Sycamore), with a trunk measuring eight (8) inches or greater in diameter, measured at a point four (4) feet above ground level, ~~or, in the case of Eucalyptus varieties, twenty (20) inches or greater in diameter, measured at a point four (4) feet above ground level.~~

The proposed trail alignment(s) would require the removal of Eucalyptus trees, which will no longer be considered Specimen Trees. As noted in Section 2.0, Changes to Project, above, replacement trees will be planted as part of the Proposed Project in accordance with the

tree replacement standards stipulated in the City's Municipal Code, where applicable. Therefore, the existing visual character of the site would be maintained. Impacts would be less than significant.

(c) **Substantially degrade the existing visual character or quality of the site and its surroundings?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The Proposed Project would add a new spur to the alignment of Bike Route No. 21 at its northern terminus at Avenida Bernardo North, extending south along Imperial Highway. A riding and hiking trail would also be included adjacent to the bike route alignment. As the Proposed Project would add to this portion of the route along an existing right-of-way in a developed portion of the City, the visual character of the site would not be degraded. The remainder of the proposed trail would be located within open space, north of Nohl Ranch Road, connecting to Anaheim Hills Road. Some new or replacement fencing would be required along Nohl Ranch Road next to the trails; however, fencing already exists in most of the project area. Therefore, fencing would not be a new aesthetic element. No mitigation is required.

(d) **Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?**

No Impact. The Proposed Project would include very few new sources of light and no new sources of glare. New lighting would only be located at the South Scout Trail crossing associated with the actual signalized crossing and new crosswalk. This new element would not significantly change the appearance of the area or provide new lighting that would impact the surrounding land uses due to its very limited function and small area. Therefore, no mitigation is required.

4.1.3 Findings Related to Aesthetics

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Aesthetics, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since EIR No. 330 and the Master Plan Addendum were prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Aesthetics that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document

may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Aesthetics requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There were no significant impacts pertaining to Aesthetics identified in EIR No. 330 or in the Master Plan Addendum. Therefore, there are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Aesthetics identified in EIR No. 330 or the Master Plan Addendum.

4.1.4 Mitigation Measures

No mitigation measures related to Aesthetics were outlined in the previously certified environmental analysis.

4.2 AGRICULTURE AND FOREST RESOURCES

4.2.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 identified some Prime Farmland and Unique Farmland as mapped in the City by the California Department of Conservation (DOC); however, these areas were not designated for agriculture under the City’s General Plan. Therefore, the Update Project did not re-designate any of these areas from agricultural to non-agricultural uses.

No Williamson Act contracts in effect in the City were identified, and no conflicts were identified between the Update Project and existing zoning for agricultural uses. No impacts would occur.

2017 Master Plan Addendum

The Master Plan included Bike Route No. 162 along Farmland of Statewide Importance and Bike Route Nos. 29 and 179 on the non-farmland portions of parcels that include Unique Farmland. As the proposed bike routes would not conflict with farmland uses and no amendments to General Plan designations or zoning designations would be required, impacts were found to be less than significant.

The Master Plan Addendum did not propose any changes to zoning designations that would conflict with or convert agricultural or forest land uses. No Williamson Act contracts in effect were identified in the City.

4.2.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Conflict with existing zoning for agriculture use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d) Result in loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland or non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The Proposed Project includes an addition to the alignment of Bike Route No. 21 and the completion of an adjacent riding and hiking trail. According to the State of California Department of Conservation Important Farmland Map for Orange County (2016), the project site for the updated alignment and pedestrian trail is not located on any designated Farmland and is considered “Urban and Built-Up Land.” Therefore, the Proposed Project would have no impact on the conversion of Farmland to a non-agricultural use.

(b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. There are no Williamson Act contracts in effect in the City, and the Proposed Project would not change zoning designations and thus would not conflict with any zoning for agricultural uses. While the project site is zoned Transitional, which includes the agricultural uses, this designation also includes a variety of other uses including residential, minor utilities, and recreation. As the Proposed Project would not conflict with this zoning designation, the Proposed Project would have no impacts on existing zoning supporting agricultural use or Williamson Act contracts.

(c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. There is no forest land in the City. Therefore, the Proposed Project would not change zoning designations and thus, would not conflict with zoning for forest land, timberland, or timberland production. No impact would occur.

(d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. There is no forest land in the City. Therefore, project implementation would not cause a loss of forest land, and no impact would occur.

(e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. Project implementation would not directly or indirectly cause conversion of mapped Farmland to non-agricultural uses or to any forest land for the reasons explained in Sections 4.2.2.a through 4.2.2.d above. No impact would occur.

4.2.3 Findings Related to Agriculture and Forest Resources

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Agriculture and Forest Resources, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since EIR No. 330 and the Master Plan Addendum were prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Agriculture or Forest Resources that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Agriculture or Forest Resources requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There were no significant impacts pertaining to Agriculture or Forest Resources identified in EIR No. 330 or in the Master Plan Addendum. Therefore, there are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Agriculture or Forest Resources identified in EIR No. 330 or the Master Plan Addendum.

4.2.4 Mitigation Measures

No mitigation measures related to Agriculture or Forest Resources were outlined in the previously certified environmental analysis, and no mitigation measures are required for the Proposed Project.

4.3 AIR QUALITY

4.3.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

Air quality related impacts of the Update Project were analyzed in EIR No. 330 using the South Coast Air Quality Management District (SCAQMD)'s *CEQA Air Quality Handbook* (1993, currently being revised) methodologies and thresholds. Modeling of operational phase emissions were conducted using the URBEMIS2002 computer model. EIR No. 330 identified the following conclusions regarding air quality emissions:

- **Construction-Related Regional Air Quality Impact:** Significant and Unavoidable. EIR No. 330 concluded that, even after mitigation, construction air emissions could exceed SCAQMD's significance thresholds as a result of the amount of development activity that is anticipated in the City.
- **Operational Phase Regional Air Quality Impact:** Significant and Unavoidable. EIR No. 330 concluded that the operational emissions would exceed SCAQMD's significance thresholds and would be significant after mitigation.
- **Air Quality Management Plan (AQMP) Consistency:** Less Than Significant Impact. EIR No. 330 concluded that the Proposed Project would not conflict with SCAQMD's AQMP.
- **Localized Air Quality Impact:** Less Than Significant Impact. EIR No. 330 demonstrated that there would be no carbon monoxide (CO) exceedances caused by vehicular emissions when idling at intersections; therefore, localized CO hot spot impacts of the Update Project would be less than significant.
- **Air Quality Compatibility:** Less Than Significant Impact. EIR No. 330 identified that while no CO exceedance would be caused by the Proposed Project, the City could place sensitive land uses proximate to areas with elevated CO concentrations. However, implementation of the Update Project would ensure that mitigation would reduce impacts to less than significant levels.
- **Odors:** Less Than Significant Impact. EIR No. 330 identified that odors generated within the City would not affect a substantial number of people, and impacts would be less than significant.

2017 Master Plan Addendum

The Master Plan Addendum identified a network of existing and proposed bicycle facilities, and did not require land use amendments that could affect the projected growth for the City. Furthermore, it would contribute in reducing vehicle miles traveled (VMT) by encouraging active transportation and reducing vehicle trips. Overall, implementation of the 2017 Master Plan was determined to reduce mobile source criteria air pollutant emissions and result in beneficial impacts compared to the Update Project. The net benefit of the 2017 Master Plan would also apply to regional air quality with regard to criteria pollutants and operational impacts to sensitive receptors compared to the Update Project.

The 2017 Master Plan included construction of additional bicycle facilities, which would result in increased construction emissions compared to the 2004 Plan as analyzed under the Certified EIR. However, the scope and scale of the 2017 Master Plan was determined to be similar to that of the 2004 Plan and would not create a new significant impact or a substantial increase in the severity of previously identified effects. In addition, the types of development proposed in the Master Plan would not generate objectionable odors or result in significant construction-related odor impacts.

4.3.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b)	Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(c)	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d)	Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(e)	Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a) Conflict with or obstruct implementation of the applicable air quality plan?

(b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

- (c) **Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. This discussion is based on the Air Quality and Greenhouse Gas Assessments for the Nohl Ranch Trail Project prepared by LSA (July 2018) provided in Appendix A of this Addendum. Because the Proposed Project involves the construction of non-motorized trails, the analysis focuses on the construction impacts because the bicycle, and riding and hiking trails would not create any operational air quality impacts.

Air Quality Management Plan (AQMP) Consistency

A region's topographic features have a direct correlation with air pollution flow and, therefore, are used to determine the boundary of air basins. The Proposed Project is located in Orange County, in the City of Anaheim, within the jurisdiction of the SCAQMD, which regulates air quality in the South Coast Air Basin (Basin). The Basin comprises approximately 10,000 square miles and covers all of Orange County and the urban parts of Los Angeles, Riverside, and San Bernardino Counties.

A consistency determination plays an essential role in local agency project review by linking local planning and unique individual projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the Proposed Project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique projects need to undergo a consistency review due to the air quality plan strategy being based on projections from local General Plans.

The AQMP is based on regional growth projections developed by the Southern California Association of Governments (SCAG). The Proposed Project is an open-space trail and is not defined as a regionally significant project under CEQA; therefore, it does not meet SCAG's Intergovernmental Review criteria.

According to the City's General Plan Land Use Plan, the project alignment is located within areas designated as Schools, Parks, Institutional, and Open Space. The City's General Plan is consistent with the SCAG *Regional Comprehensive Plan* (2008) guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in Chapter 12 of the 1993 SCAQMD *CEQA Air Quality Handbook*, consistency with the Basin 2016 AQMP is affirmed when a project (1) does not increase the frequency or severity of an air quality standards violation or cause a new violation, and (2) is consistent with the growth assumptions in the AQMP. Consistency review is presented below:

1. The project would result in short-term construction pollutant emissions that are less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated above; therefore, the Proposed Project would not result in an increase in the frequency or severity of any air quality standards violation and will not cause a new air quality standard violation.
2. The SCAQMD *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the Proposed Project is not defined as significant.

Based on the consistency analysis presented above, the Proposed Project is consistent with the City's General Plan and the regional AQMP.

Cumulative Impacts

The cumulative impacts analysis is based on projections in the regional AQMP. As described in the consistency analysis presented above, the Proposed Project is consistent with the growth assumptions in the City's General Plan and the regional AQMP. Further, the project would not increase the frequency or severity of an air quality standards violation or cause a new violation. Therefore, the Proposed Project would not result in a new significant cumulative impact.

(d) Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. SCAQMD has established daily emissions thresholds for construction and operation of a Proposed Project in the Basin. The emissions thresholds were established based on the attainment status of the Basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety (SCAQMD 2016), these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

Table 4.3.1 lists the CEQA significance thresholds for construction emissions established for the Basin. Projects in the Basin with construction-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines.

Construction phase durations and heavy-duty equipment from project plans were used for all phases. The results, summarized in Table 4.3.1, were compared to SCAQMD thresholds of significance for construction impacts.

Table 4.3.1: Short-Term Regional Construction Emissions

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	VOC	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Grading	1	16	7	<1	2	<1	1	<1
Trail Construction	2	20	8	<1	2	<1	<1	<1
Paving	<1	9	9	<1	<1	<1	<1	<1
Peak Daily	2	20	9	<1	3		2	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA (July 2018).

Note: PM₁₀ and PM_{2.5} fugitive emissions are from the Mitigated results - the only "mitigation" applied in this modeling are required dust control measures per SCAQMD Rule 403.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM₁₀ = particulate matter less than 10 microns in size

PM_{2.5} = particulate matter less than 2.5 microns in size

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

VOC = volatile organic compounds

Localized Impacts Analysis

SCAQMD published its *Final Localized Significance Threshold Methodology* in June 2003 and updated it in July 2008 (SCAQMD 2008), recommending that all air quality analyses include an assessment of both construction and operational impacts on the air quality of nearby sensitive receptors. Localized significance thresholds (LSTs) represent the maximum on-site emissions from a project site of up to 5 acres that are not expected to result in an exceedance of the national ambient air quality standards (NAAQS) or California ambient air quality standards (CAAQS). LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For this project, the appropriate SRA for the LST analysis is the Central Orange County Area (SRA 17).

If the total acreage disturbed during construction is less than or equal to 5 acres per day, then the SCAQMD's screening look-up tables can be used to determine if a project has the potential to result in a significant impact. In the case of CO and nitrogen dioxide (NO₂), because ambient levels are below the NAAQS and CAAQS, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to particulate matter less than 10 microns in diameter (PM₁₀) and particulate matter less than 2.5 microns in diameter (PM_{2.5}), both of which are nonattainment pollutants (SCAQMD 2006). For these two, the significance criteria are the pollutant concentration thresholds presented in SCAQMD Rules 403 and 1303. The Rule 403 threshold of 10.4 micrograms per cubic meter (µg/m³) applies to construction emissions. The Rule 1303 threshold of 2.5 µg/m³ applies to operational activities.

The total area of the Proposed Project is approximately 1.2 acres. Based on project plans and the construction equipment planned, it is unlikely that the entire 1.2 acres could be disturbed on a peak day. Following SCAQMD LST guidance, the 2-acre construction thresholds were used for the construction analysis. The LST guidance specifies that only on-site emissions are to be included.

Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality. The closest existing sensitive receptors are residential units located to the north, west, and south of the alignment, with the closest receptors approximately 50 ft from the project construction boundary. The SCAQMD LST guidance specifies that the minimum distance to be considered is 25 meters (m), which is about 82 ft; thus, the emissions thresholds shown in Table 4.3.2 would apply during project construction.

Table 4.3.2: Construction Localized Impacts Analysis

Emissions Sources	Pollutant Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
On-Site Emissions	19	9	3	2
LST Thresholds at 82'	115	715	6	4
Significant Emissions?	No	No	No	No

Source: Compiled by LSA (July 2018).

Note: Source Receptor Area – Central Orange County, 2 acres, receptors at 82 feet (25 meters)

CO = carbon monoxide

NO_x = nitrogen oxides

lbs/day = pounds per day

PM_{2.5} = particulate matter less than 2.5 microns in size

LST = local significance threshold

PM₁₀ = particulate matter less than 10 microns in size

Table 4.3.2 shows the on-site localized emissions and impacts during construction. Results indicated that the construction emission rates would not exceed the LSTs for the existing residence along the trail alignment. Therefore, the Proposed Project would not result in significant localized impacts during project construction.

(e) Create objectionable odors affecting a substantial number of people?

No Impact. Heavy-duty equipment in the project area during construction would emit odors, primarily from equipment exhaust. However, the construction activity would cease to occur after individual construction is completed. No other sources of objectionable odors have been identified for the Proposed Project, and no mitigation measures are required.

4.3.3 Findings Related to Air Quality

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Air Quality, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since EIR No. 330 or the Master Plan Addendum were prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Air Quality that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 or the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Air Quality requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Air Quality identified and considered in EIR No. 330 or the Master Plan Addendum.

4.3.4 Mitigation Measures

The following mitigation measure (MM) and standard condition (SC) related to Air Quality from the Updated and Modified MMP No. 122A for EIR No. 330 and MMP No.343 for the Master Plan Addendum is applicable to the Proposed Project and incorporated into MMP No. 360.

CONSTRUCTION

MM 5.2-1 Prior to grading activities, the Project Engineer shall include a note on all grading plans which requires the construction contractor to implement the following measures during grading.

- Use low emission mobile construction equipment.
- Maintain construction equipment engines by keeping them tuned.
- Use low sulfur fuel for stationary construction equipment.
- Utilize existing power sources (i.e., power poles) when feasible.
- Configure construction parking to minimize traffic interference.
- Minimize obstruction of through-traffic lanes. When feasible, construction should be planned so that lane closures on existing streets are kept to a minimum.
- Schedule construction operations affecting traffic for off-peak hours.

- Develop a traffic plan to minimize traffic flow interference from construction activities (the plan may include advance public notice of routing, and the use of public transportation and satellite parking areas with a shuttle service).

SC AQ-1

The applicable SCAQMD Rule 403 measures are as follows:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for 10 days or more).
- Water active sites at least twice daily (locations, where grading is to occur, will be thoroughly watered prior to earthmoving).
- Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 2 feet (ft) (0.6 meter [m]) of freeboard (vertical space between the top of the load and the top of the trailer) in accordance with the requirements of California Vehicle Code Section 23114.
- Pave construction access roads at least 100 ft (30 m) onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 miles per hour or less.

4.4 BIOLOGICAL RESOURCES

4.4.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 concluded that implementation of the Update Project would include development of residential land uses in large vacant areas, which would adversely impact sensitive species through habitat loss and habitat modification. Buildout of the Update Project was identified as potentially impacting riparian areas and/or wetlands through development in the Hill and Canyon Area and along the Santa Ana River. Developments in the Hill and Canyon Area pursuant to the Update Project were identified as impacting wildlife movement in that area. EIR No. 330 concluded that implementation of the Update Project would comply with City tree preservation policies and the Orange County Central/Coastal Natural Communities Conservation Plan (NCCP). Impacts to sensitive species, riparian areas, wetlands, and wildlife movement were identified as less than significant after implementation of mitigation, while the remaining impacts were identified as less than significant without mitigation.

2017 Master Plan Addendum

The 2017 Master Plan concluded that implementation of Mitigation Measures 5.3-3 and 5.3-4 from the Certified EIR would be required where biological resources are identified to reduce impacts to a less than significant level. Mitigation Measures BIO-1 and BIO-2 refine the mitigation measures to ensure the appropriate timing and oversight. Additionally, project development would comply with Chapter 13.12, Street Trees, and Chapter 18.18.040, Tree Preservation, of the City of Anaheim Municipal Code. Therefore, no new significant impacts or impacts of greater severity than those previously identified in the Certified EIR were identified related to biological resources.

4.4.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<p>(b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>
<p>(c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>
<p>(d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or established native resident or migratory wildlife corridors, or impede the use of native wildlife nursesey sites?</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>
<p>(e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/></p>
<p>(f) Conflict with the provisions of an adopted Habitat Conversation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>

It should be noted that the alignments for both trails were designed to avoid sensitive biological resources in the area. The following analysis is based on a biological resources memorandum for the Proposed Project (LSA, May 2018, provided in Appendix B of this Addendum). The memorandum is based on literature review and a foot survey performed on March 12, 2018.

(a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The Proposed Project is in an area that has been highly disturbed from previous developments. Native wildlife habitat is largely absent on the project site and in the immediate vicinity. Furthermore, the lack of ground cover and suitable foraging habitat make the site undesirable for many local wildlife species.

No special-interest plant species were observed at the time of the survey. However, the Cooper's hawk, a California Department of Fish and Wildlife (CDFW) Watch List species, was seen perched in a eucalyptus tree within the project area. LSA did not see any plant or animal species that is designated as threatened or endangered with a "moderate" or "high" probability of occurrence within the project site.

The project would not result in any impact to native habitats or sensitive natural communities. Permanent impacts to non-native vegetation and ornamentally planted vegetation would occur with project implementation. Given the developed and maintained condition of the project site, it is not expected that any substantial population of special-status plant species would occur within the site boundaries. As such, there are no special-status plant species with a moderate or high probability of occurrence, and future surveys for these plant species are not warranted.

Adequate habitat for most of the wildlife species listed in Attachment A is not present within the sparsely vegetated project site. However, bird species such as the Cooper's hawk that were observed can use the project area to forage and potentially nest. Project implementation is not expected to have a significant adverse effect on Cooper's hawk or other special-interest wildlife species. However, to ensure that the Proposed Project does not adversely impact nesting birds, Mitigation Measure BIO-1 has been included to avoid active nesting times and activities.

- (b) **Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?**
- (c) **Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

No Impact. There are no records indicating that wetlands or jurisdictional drainage features exist on the project site. The existing drainage features within the project area were reviewed using previous historical aerials. The drainage features are all human-made features constructed on dry land for the purpose of conveying ephemeral stormwater runoff from the slopes to prevent erosion. The site contains concrete v-ditch structures that were excavated on dry land and are used to convey ephemeral stormwater runoff from the slopes to prevent erosion.

In addition, on the east side of Imperial Highway between Imperial Highway Elementary School and East Avenue Bernardo, a 10 ft x 10 ft area vegetated with broad-leaved cattail (*Typha latifolia*) and sedge (*Carex* sp.) was identified. This human-induced wetland is the result of a long-term irrigation leak from a nearby institution. The Anaheim Unified School District repaired the irrigation leak in February 2018, and the area should not be considered a wetland, as it was the result of a human-made leak. No mitigation is required.

As noted above, no special interest habitat or species would be impacted by the Proposed Project. Therefore, no mitigation is required.

(d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or established native resident or migratory wildlife corridors, or impede the use of native wildlife nurse sites?

No Impact. An existing Orange County Natural Community Conservation Plan (NCCP) special linkage located approximately 0.5 mile south of and parallel to the Nohl Ranch Open Space Trail currently provides wildlife movement within the area. Wildlife species that currently use the Nohl Ranch open space are adapted to navigating through urban environments. The Nohl Ranch Open Space Trail project would not affect wildlife species; those species would continue to use the open space trail. No mitigation is necessary.

(e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The Proposed Project will result in the removal of special-status trees. Trees located within the Scenic Corridor Overlay Zone are considered “Specimen Trees” if they are: *Quercus* varieties (Oak), *Schinus* varieties (Pepper), or *Platanus* varieties (Sycamore), trunks measuring 8 inches or greater in diameter, measured at a point 4 ft above ground level. Preservation of existing trees with a caliper of 2 inches or greater, measured 12 inches from existing grade shall be identified on planting plans and removed only with permission from the City. Designated “landmark trees” shall be protected as provided for in Section 18.18 (Landmark Trees) of the Municipal Code. No person shall cut down, destroy, or remove any landmark tree growing within the City limits without a permit from the planning director or designee. No Landmark Trees are located within the project site based on the City’s Landmark Tree designation map. However, any tree that meets the conditions of a “Specimen Tree” that may be impacted by the Proposed Project requires the preparation of a Tree Removal and Replacement Plan. Mitigation Measure BIO-2 will ensure that tree evaluation and replacement consistent with the City’s policies will be implemented as part of the landscaping plans for the Proposed Project.

(f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. While the Proposed Project is within the boundary of the Orange County NCCP, no portion of the project site is within a designated Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP) Reserve Area or other sensitive conservation area identified by State, regional, or local plans. Thus, project implementation would not conflict with any regional conservation plan. No mitigation is necessary.

4.4.3 Findings Related to Biological Resources

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to biological resources, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since EIR No. 330 or the Master Plan Addendum were prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Biological Resources that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 or the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Biological Resources requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Biological Resources identified and considered in EIR No. 330 or the Master Plan Addendum.

4.4.4 Mitigation Measures

The following mitigation measures related to Biological Resources from the Updated and Modified MMP No. 122A for EIR No. 330 and MMP No. 343 for the Master Plan Addendum, are applicable to the Proposed Project and incorporated into MMP No. 360.

MM 5.3-3 If construction activity is timed to occur during the nesting season (typically between March 1 and July 1), developers will be required to provide focused surveys for nesting birds pursuant to California Department of Fish and Game requirements. Such surveys shall identify avoidance measures taken to protect active nests.

MM 5.3-4 Removal of non-native trees shall be permitted only outside the nesting season.

The following measures related to Biological Resources are refinements to mitigation measures in MMP No. 122A for EIR No. 330 and MMP No. 343 for the Master Plan Addendum.

MM BIO-1 Any vegetation removal should take place outside of the active nesting bird season (i.e., February 15–August 15), when feasible, to ensure compliance with the California Fish and Game Code and the Migratory Bird Treaty Act.

Should vegetation removal take place during this period, prior to construction activities, the City of Anaheim (City) Project Manager shall hire a qualified biologist to conduct a nesting bird survey to ensure that birds are not engaged in active nesting within 100 feet (ft) of the project site. If nesting birds are discovered during preconstruction surveys, the biologist should identify an appropriate buffer (i.e., up to 500 ft depending on the circumstances and specific bird species) where no construction activities or other disturbances are allowed to occur until after the birds have fledged from the nest or the nest is no longer active.

MM BIO-2 Prior to the approval of final design plans for the project, the City's Project Manager shall procure a qualified arborist to evaluate trees along the project alignment to see if any meet the definition of Specimen Trees. Any trees meeting that definition, shall be replaced and included in the final landscaping plan prepared for the project. Final plans must include landscaping plans and special notes on Specimen Tree replacement to the satisfaction of the Project Manager in consultation with a designated representative from the City's Parks Department.

4.5 CULTURAL RESOURCES

4.5.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 concluded that the Update Project would not result in significant cultural resources impacts related to historical resources, archaeological resources, and paleontological resources upon implementation of regulatory requirements, General Plan goals and policies, and mitigation measures identified MMP No. 122A as listed in Section 4.5.4 of this Addendum.

2017 Master Plan Addendum

The Master Plan Addendum concluded that the proposed Master Plan would not encroach onto any of the listed resources and that improvement within the ultimate right-of-way would not substantially detract from the historical significance of any listed historical resources. Additionally, implementation of Mitigation Measures MM 5.4-2 and MM 5.4-3 from the Certified EIR would ensure that impacts to historic, archaeological, and paleontological resources are reduced to a less than significant level. No new significant impacts or impacts of greater severity than those previously identified in the Certified EIR were identified.

4.5.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
					<input type="checkbox"/>	
(a)	Cause a substantial adverse change in the significance of a historical resources as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b)	Cause a substantial adverse change in the significance of an archaeological resources pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(c)	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d)	Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- (a) **Cause a substantial adverse change in the significance of a historical resources as defined in §15064.5?**
- (b) **Cause a substantial adverse change in the significance of an archaeological resources pursuant to §15064.5?**

Less than Significant Impact. On June 6, 2018, a records search for the project site and a 0.5-mile radius around the area was completed at the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System located at California State University, Fullerton. (Cultural Resources Memorandum, LSA 2018, provided in Appendix C of this Addendum).

The records search indicated that there is one resources within 0.5 mile of the project site, although none occur directly along the alignment. This site (P-30-000519) was recorded as a prehistoric lithic scatter, and is located approximately 0.4 mile from the project site and would not be affected by the Proposed Project. Because the school buildings (built between 1972 and 1980) and the Palacio Senior Apartments buildings (built between 1974 and 1982) are less than 50 years old, no historic-period buildings exist within the project site. As such, no buildings within the project site need to be considered further in the CEQA. No mitigation is required.

However, due to the lack of information in the record search and lack of previous studies, the monitoring during grading operations will be required and is enumerated in MM 5.4-2 and MM 5.4-3, below.

- (c) **Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

Less than Significant Impact. Based on the Paleontological Technical Memorandum prepared for the project (LSA, September 2018, provided in Appendix D of this Addendum), the Young Alluvial Fan Deposits on the project site are considered to have low paleontological sensitivity from the surface to a depth of 10 ft and high paleontological sensitivity below a depth of 10 ft; however the other geologic units within the project site, including the Very Old Alluvial Fan Deposits, the lower member of the Fernando Formation, and the Sycamore Canyon Member of the Puente Formation, all have high paleontological sensitivity. Because project excavation is anticipated to extend to a depth of approximately 5 ft or less below the surface, mitigation measure PAL-1 expands mitigation measure MM 5.4-2 related to paleontological resources to ensure that impacts remain less than significant.

- (d) **Disturb any human remains, including those interred outside of formal cemeteries?**

No Impact. No human remains or cemeteries are known to exist within or near the project site. However, there is always the possibility that subsurface construction activities associated with the Proposed Project, such as trenching and grading, could potentially damage or destroy previously undiscovered human remains. In the event of the accidental discovery or recognition of any human remains, *State CEQA Guidelines* Section 15064.5;

Health and Safety Code Section 7050.5; Public Resources Code (PRC) Sections 5097.94 and 5097.98 must be followed. Accordingly, if human remains were encountered, the implementation of City-required standard conditions would reduce this potential impact to a less than significant level.

4.5.3 Findings Related to Cultural Resources

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Cultural Resources, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since EIR No. 330 or the Master Plan Addendum were prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Cultural Resources that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 or the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Cultural Resources requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Cultural Resources identified and considered in EIR No. 330 or the Master Plan Addendum.

4.5.4 Mitigation Measures

The following mitigation measures related to Cultural Resources from the Updated and Modified MMP No. 122A for EIR No. 330 and MMP No. 343 for the Master Plan Addendum, are applicable to the Proposed Project and incorporated into MMP No. 360.

- MM 5.4-2** City staff shall require property owners/developers to provide studies and qualified grading monitoring to document the presence/absence of archaeological and/or paleontological resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified specialist.
- MM 5.4-3** All archaeological resources shall be subject to the provisions of CEQA (Public Resources Code) Section 21083.2.

MM PAL-1 A paleontologist shall be hired to develop a Paleontological Resources Impact Mitigation Program (PRIMP) for this project. The PRIMP shall include the methods that will be used to protect paleontological resources that may exist within the project site, as well as procedures for monitoring, fossil preparation and identification, curation into a repository, and preparation of a final report at the conclusion of grading.

Excavation and grading activities in deposits with high paleontological sensitivity (the Very Old Alluvial Fan Deposits, the lower member of the Fernando Formation, and the Sycamore Canyon Member of the Puente Formation) shall be monitored by a paleontological monitor following a PRIMP. No monitoring is required for excavation in deposits with low paleontological sensitivity (Young Alluvial Fan Deposits from the surface to a depth of 10 ft).

If paleontological resources are encountered during the course of ground disturbance, the paleontological monitor shall have the authority to temporarily redirect work away from the area of the find in order to assess its significance.

In the event that paleontological resources are encountered when a paleontological monitor is not present, work in the immediate area of the find shall be redirected and a paleontologist shall be contacted to assess the find for significance and adjust the level of monitoring if needed.

Collected resources shall be prepared to the point of identification, identified to the lowest taxonomic level possible, cataloged, and curated into the permanent collection of a scientific institution.

At the conclusion of the monitoring program, a report of findings shall be prepared to document the results of the monitoring program.

The following standard condition is a regulatory requirement.

SC CR-1 **Human Remains.** If human remains are unearthed, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be Native American, the County Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC. The MLD will have the opportunity to offer recommendations for the disposition of the remains.

4.6 GEOLOGY AND SOILS

4.6.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 determined that the Update Project would not expose future residents to hazards from groundshaking, liquefaction, expansive soils, landslides, erosion, and loss of topsoil provided that the General Plan goals and policies, existing codes and regulations, and Mitigation Measure MM 5.5-1 are implemented.

2017 Master Plan Addendum

The Master Plan Addendum determined that the 2017 Master Plan would not alter the conclusions of the Certified EIR and that impacts to geologic hazards including seismic ground-shaking, ground failure, liquefaction, landslides, expansive soils, and soil erosion would be less than significant with implementation of applicable Best Management Practices (BMPs) and MM 5.5-1.

4.6.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:					
1) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d) Be located on expansive soil, as defined by Table 18-1-B of the Uniform Building Code (1994), creating substantial risk to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

- 1) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.**

No Impact. As described in EIR No. 330 and the Master Plan Addendum, there are no Alquist-Priolo Fault Zones within the City of Anaheim. Therefore, the Proposed Project would not expose people or buildings to hazards from surface rupture of a known active fault. No impact would occur.

- 2) Strong seismic ground shaking?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Due to the location of several active faults in Los Angeles and Orange Counties, the City is subject to strong ground shaking. As the Proposed Project includes the development of bicycle and pedestrian trail, impacts would be no greater than previously identified in the Certified EIR and Master Plan Addendum.

3) Seismic-related ground failure, including liquefaction?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. According to the City's General Plan, the project site is not located within an area subject to liquefaction potential. In addition, implementation of Mitigation Measure MM 5.5-1 would ensure that impacts related to ground failure are reduced to a less than significant level. No impacts of greater severity than those previously identified in the Certified EIR or Master Plan Addendum would occur.

4) Landslides?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. As noted in the Master Plan Addendum, the proposed bike path alignment is located along an area susceptible to landslides. The added portion of the trail along Imperial Highway is not within a landslide susceptible area. Therefore, the Proposed Project would not result in any impacts more severe than those previously identified in the Certified EIR or Master Plan Addendum. Implementation of MM 5.5-1 would also reduce landslide hazards to less than significant.

(b) Result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The proposed trail alignments would result in substantial grading, which may result in soil erosion during construction activities. The updated alignment would add a new spur to Bike Route No. 21 to be located along Imperial Highway. Therefore, the Proposed Project would not substantially increase the potential for erosion compared to the previously analyzed alignment. In addition, all grading operations would comply with Anaheim Municipal Code Title 17, Land Development and Resources, and a Stormwater Pollution Prevention Plans (SWPPPP) specifying BMPs would be prepared and implemented during construction to minimize stormwater pollution, including pollution with sediment. Impacts would be less than significant. No impacts of greater severity than those previously identified in the Certified EIR or Master Plan Addendum would occur.

(c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Due to the presence of collapsible soils within the City and the potential for landslides in the project area, the proposed trail alignments have the potential to be located on an unstable geologic unit. However, implementation of MM 5.5-1 would also reduce hazards related to unstable soils to less than significant. No impacts of greater severity than those previously identified in the Certified EIR or Master Plan Addendum would occur.

- (d) **Be located on expansive soil, as defined by Table 18-1-B of the Uniform Building Code (1994), creating substantial risk to life or property?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Due to the presence of expansive soils within the City, the proposed trail alignments have the potential to be located on expansive soils. However, implementation of MM 5.5-1 would also reduce landslide hazards to less than significant. No impacts of greater severity than those previously identified in the Certified EIR or Master Plan Addendum would occur.

- (e) **Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?**

No Impact. The Proposed Project would not generate wastewater and would not involve the use of alternative wastewater disposal systems. No impact would occur.

4.6.3 Findings Related to Geology and Soils

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Geology and Soils, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since EIR No. 330 or the Master Plan Addendum were prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Geology and Soils that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 or the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Geology and Soils requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Geology and Soils identified and considered in EIR No. 330 or the Master Plan Addendum.

4.6.4 Mitigation Measures

The following mitigation measure from the Updated and Modified MMP No. 122A for EIR No. 330 and MMP No. 343 for the Master Plan Addendum, are applicable to the Proposed Project and incorporated into MMP No. 360.

-
- MM 5.5-1** The City shall require geologic and geotechnical investigations in areas of potential seismic or geologic hazards as part of the environmental or development review process. All final design and grading operations will be conducted in conformance with the recommendations contained in the applicable geotechnical investigation.

4.7 GREENHOUSE GAS EMISSIONS

4.7.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 did not evaluate greenhouse gas (GHG) emissions impacts because, prior to Senate Bill (SB) 97 that went into effect January 1, 2010, this was not included in the *State CEQA Guidelines* Appendix G Checklist, and the City did not have adopted thresholds at the time of preparation.

2017 Master Plan Addendum

The Master Plan Addendum concluded that the proposed improvements to the existing bicycle network would reduce vehicle miles traveled (VMT) and annual GHG emissions. No new impacts would be introduced, and impacts would be less than significant.

4.7.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b)	Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

This discussion is based on the Air Quality and Greenhouse Gas Assessments for the Nohl Ranch Trail Project prepared by LSA (July 2018) and provided in Appendix A of this Addendum. Because the Proposed Project involves the construction of non-motorized trails, the analysis focuses on the construction impacts because the bicycle and riding and hiking trails would not create any operational GHG impacts.

- (a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**
- (b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

No Impact. California started developing climate action regulations in 1988 with Assembly Bill (AB) 4420 (State of California. 2017). In 2002, California adopted AB 1493 directing California Air Resources Board (CARB) to adopt regulations to achieve the maximum feasible and cost-effective reduction of GHG emissions from motor vehicles. SB 1078 requires California electric utilities to use renewable energy sources for 33 percent of the total by 2020. In 2006, the State Legislature passed the California Global Warming Solutions Act of 2006 (AB 32), which created a comprehensive, multiyear program to reduce GHG emissions in California.

The initiatives, executive orders, and statutes established since 1988 comprise the major milestones in California's efforts to address climate change through coordinated action on climate research, GHG mitigation, and climate change adaptation. Numerous other related efforts have been undertaken by State agencies and departments to address specific questions and programmatic needs. The Climate Action Team coordinates these efforts and others, which comprise the State's climate program (State of California 2017).

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which is believed to be causing global warming. While GHGs include naturally-occurring GHGs such as carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O), some gases, like hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆) are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO₂, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO₂ over a specified time period. GHG emissions are typically measured in terms of pounds or metric tons (MT) of "CO₂ equivalents" (CO₂e).

To provide guidance to local lead agencies for determining significance of GHG emissions in their CEQA documents, SCAQMD convened a GHG CEQA Significance Threshold Stakeholder Working Group (Working Group) (SCAQMD 2010). Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD proposed an analysis methodology using a tiered approach for the evaluation of GHG emissions for development projects in

which SCAQMD is not the lead agency. The applicable tier for this development project is Tier 3, a screening significance threshold of 3,000 MT of GHGs per year.

Construction activities, such as site preparation, site grading, on-site heavy-duty construction vehicles, equipment hauling materials to and from the project site, and motor vehicles transporting the construction crew would produce combustion emissions from various sources. During construction of the Proposed Project, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically uses fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs. Furthermore, CH₄ is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

Construction GHG emissions associated with the Proposed Project were estimated using the California Emission Estimator Model (CalEEMod Version 2016.3.2. The CalEEMod modeling output (provided in the Appendix A memorandum) supplies modeling details. Table 4.7.1 lists the GHG emissions for each of the planned construction phases and shows that construction of the Proposed Project would generate a total of approximately 95 MT of CO₂e. When amortized over the 30-year life of the project, annual emissions would be approximately 2 MT of CO₂e, which would not exceed annual emission thresholds recommended by SCAQMD. Therefore, the Proposed Project would have no new impacts related to GHGs, and no mitigation is required.

Table 4.7.1: Construction Greenhouse Gas Emissions

Construction Phase		Total Regional Pollutant Emissions (MT/yr)			
		CO ₂	CH ₄	N ₂ O	CO ₂ e
2019	Grading	7	<1	0	7
	Trail Preparation	81	<1	0	82
	Paving	7	<1	0	7
Total Construction Emissions		95	<1	0	95

Source: Compiled by LSA (July 2018).

CH₄ = methane

CO₂ = carbon dioxide

CO₂e = carbon dioxide equivalent

MT/yr = metric tons per year

N₂O = nitrous oxide

4.7.3 Findings Related to Greenhouse Gases

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Greenhouse Gas Emissions, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since EIR No. 330 or the Master Plan Addendum were prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Greenhouse Gas Emissions that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 or the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Greenhouse Gas Emissions requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Greenhouse Gas Emissions identified and considered in EIR No. 330 or the Master Plan Addendum.

4.7.4 Mitigation Measures

No mitigation measures related to Greenhouse Gas Emissions are required for the Proposed Project.

4.8 HAZARDS AND HAZARDOUS MATERIALS

4.8.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 concluded that the Update Project would involve a small increase in the number of residences next to railways and thus would be subject to hazards from transportation of hazardous materials by rail. Some commercial and industrial businesses in the City use or generate hazardous materials. Two former solid waste disposal sites are located in the City. The use, storage, disposal, and transport of hazardous materials are regulated by several agencies. Impacts related to hazardous materials were identified as less than significant after compliance with existing regulations, General Plan goals and policies, and implementation of Mitigation Measures MM 5.6-1 through MM 5.6-3 of the Certified EIR, none of which pertain to the Proposed Project site.

Parts of the City were identified as being in the airport land use plans of two airports: Fullerton Municipal Airport and the Los Alamitos Joint Forces Training Base. Hazards related to the two airports were determined to be less than significant after implementation of MM 5.6-4 through MM 5.6-6 of the Certified EIR, none of which pertain to the Proposed Project site.

The part of the City east of SR-55 and south of SR-91 was identified as subject to wildfire hazards; this impact was identified as less than significant after implementation of the General Plan policies which do not apply to bikeways or trails.

2017 Master Plan Addendum

The Master Plan Addendum concluded that construction activities would be required to comply with existing regulations of several agencies, including the California Department of Toxic Substances Control (DTSC), the United States Environmental Protection Agency (USEPA), the Occupational Safety & Health Administration (OSHA), and the Anaheim Fire & Rescue Hazardous Materials Department. In addition, impacts related to hazards and hazardous materials would not be greater than previously identified in the Certified EIR.

4.8.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
(g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
(h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

A hazardous materials database search was conducted on April 10, 2018, by Environmental Data Resources, Inc. (EDR), provided in Appendix E of this Addendum, to check for any hazardous materials being reported on the project site. The report confirms that the site is not listed on any of the reporting databases for hazardous materials.

(a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The proposed bikeway and riding and hiking trail would involve the use, transport, and disposal of small amounts of hazardous materials such as fuels, greases, and paints during the construction period, which would be short-term and temporary in nature. The use, storage, transport, and disposal of hazardous materials by the Proposed Project would be required to comply with existing regulations of several agencies, including the DTSC, the USEPA, OSHA, Office of Environmental Health Hazard Assessment (OEHHA), and the Anaheim Fire & Rescue Hazardous Materials Department. Operation of the Proposed Project would not involve the routine transport, storage, use, and disposal of substantial amounts of hazardous materials. As discussed in the Certified EIR and Master Plan Addendum, the Proposed Project would not create a new significant impact or a substantial increase in the severity of previously identified effects.

(b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The proposed trails would only require the use of small quantities of hazardous materials during the construction phase. This small amount would not pose a significant risk

to the public or the environment if an on-site accident were to occur. As required through State and federal laws, the construction contractors would maintain equipment and supplies for containing and cleaning up small hazardous materials spills; train construction workers on such containment and cleanup; and notify Anaheim Fire & Rescue and the California Environmental Protection Agency (CalEPA) immediately in the event of a release of hazardous materials to the ground or air in compliance with applicable safety regulations. The risk of accidental releases of hazardous materials would not be greater than the severity of previously identified effects.

(c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The proposed alignment for the trails adds to the alignment for Bike Route No. 21 along Imperial Highway in the Master Plan Addendum. The proximity of the alignments to schools was discussed in the Master Plan Addendum. While the proposed alignment would be located near Canyon High School, Canyon Hills School, and Imperial Elementary School, hazardous materials used during construction would be handled in accordance with all existing regulation, and hazardous material spills would be contained and cleaned up promptly by the construction contractor or emergency response teams. Impacts would not be greater than previously identified in the Certified EIR or Master Plan Addendum.

(d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. According to the State Water Resources Control Board (SWRCB) GeoTracker database and the EDR report, the project site is not located on a hazardous materials site. Therefore, the proposed trail alignments would not have the potential to create a significant hazard to the public or environmental due to a hazardous materials site.

(e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The project site is not located within an airport land use plan or within 2 miles of a public airport. Furthermore, the project trail alignments would not involve any above-grade structures within the 2 miles of a public airport that could result in airport safety hazards. No impact would occur.

(f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The project site is not located near any private airstrips or heliport facilities. Furthermore, the project trail alignments would not involve any above-grade structures

within the 2 miles of a private airstrip or heliport facilities that could result in safety hazards. No impact would occur.

(g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The City's Emergency Operations Plan is maintained by the Emergency Management and Preparedness Department of Anaheim Fire & Rescue. The proposed trail alignments would have no adverse impact on emergency response capability. Imperial Highway would remain open during construction to provide emergency access during construction. The Proposed Project would not create a new significant impact or a substantial increase in the severity of previously identified effects.

(h) Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. According to the City's General Plan, the proposed trail alignments are not located within a Very High Fire Hazard Severity Zone. In addition, the proposed trails would not increase fire risk where residences are intermixed with wildlands. Neither construction nor operation of the proposed bicycle or riding and hiking trails would expose people or structures to fire risk. No impact would occur.

4.8.3 Findings Related to Hazards and Hazardous Materials

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Hazards or Hazardous Materials, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Hazards or Hazardous Materials that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Hazards or Hazardous Materials requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Hazards or Hazardous Materials identified and considered in EIR No. 330 or the Master Plan Addendum.

4.8.4 Mitigation Measures

There are no mitigation measures related to Hazards and Hazardous Materials from the Updated and Modified MMP No. 122A for EIR No. 330 and MMP No. 343 for the Master Plan Addendum that are applicable to the Proposed Project.

4.9 HYDROLOGY

4.9.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 determined that the Update Project would increase the generation of pollutants that could contaminate stormwater during both the construction and operational phases of project development but water quality impacts would be reduced to a less than significant level after regulatory compliance. EIR No. 330 also concluded that the groundwater recharge area is so large that implementation of the Update Project would not potentially increase the demand on groundwater supplies and compliance with General Plan goals and policies directing the City to reduce pollution, enforce water quality management regulations, and conserve water that would further reduce groundwater impacts. EIR No. 330 indicated that the majority of the City is built out and runoff volumes are not expected to increase significantly with the implementation of the Update Project. Existing drainage facilities in some parts of the City were identified as deficient. Although the eastern part of the Hill and Canyon Area would require construction of drainage facilities and there are some deficient drainage facilities in the City, EIR No. 330 concluded that implementation of applicable General Plan goals and policies would reduce impacts to a less than significant level and the specific types and locations of drainage facilities will be determined at the time development applications are submitted.

EIR No. 330 indicated that small parts of the City – mostly within flood control channels and percolation basins – were identified as within 100-year flood zones mapped by the Federal Emergency Management Agency (FEMA). Additionally, parts of the City were mapped in dam inundation areas of three dams: Prado Dam on the Santa Ana River in Riverside County about 2 miles east of the City boundary; Walnut Canyon Reservoir in the Hill and Canyon Area of the City; and Carbon Canyon Dam in the City of Brea about 3 miles north of the City. However, compliance with General Plan goals and policies related to flood hazards in 100-year flood zones and dam inundation zones would reduce impacts to a less than significant level. Furthermore, the policies contained in the General Plan seek to protect structures and residents within flood zones by requiring all development proposals to undergo an evaluation process to determine flood risks and ensure compliance with local, State, and Federal regulations.

2017 Master Plan Addendum

The Master Plan Addendum concluded the construction of the proposed facilities could generate pollutants, but preparation of a SWPPP and implementation of BMPs for compliance with the National Pollutant Discharge Elimination System (NPDES) General Construction Permit would not create any new significant impacts. Operation of the proposed facilities could generate trash but inclusion of trash receptacles would minimize debris and pollutants, and no new significant impact would occur. As the proposed facilities would be located mostly within existing right-of-way, minimal new impervious surfaces were proposed that might impact groundwater, and drainage patterns would continue to utilize existing curbs, gutters, and storm drains.

4.9.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b)	Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(e)	Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(f)	Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(g)	Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(h)	Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(i)	Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(j)	Expose people or structures to inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a) Violate any water quality standards or waste discharge requirements?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. As discussed above, the Proposed Project will be required pursuant to the City’s policies and permits to prepare a SWPPP to address construction erosion and runoff. The design of the trails would be in compliance with City water quality policies and low impact development guidelines. As concluded in the previous analysis, implementation of the trails is not expected to have any significant impacts with the applicable water quality requirements. No mitigation is necessary.

(b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

No Impact. The Proposed Project adds some new impervious surface in the area. However, the use of permeable construction materials for the bikeway and riding and hiking trails will allow the paved footprint of the bikeway and gravel trail to percolate stormwater. In addition, the area of construction is relatively small and would not be large enough to significantly impede percolation to existing aquifers in the area. No mitigation is necessary.

(c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site?

- (d) **Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?**
- (e) **Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems?**

(c) through (e)

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The bikeway and trail have been designed to allow for both percolation and directed sheet flows to local storm drains. The required SWPPP would avoid erosion during construction. No drainage would be concentrated enough to create a new off-site scour or erosion area. As discussed above, the total area for the Proposed Project is not large enough to create a new drainage problem. No mitigation is necessary.

- (f) **Otherwise substantially degrade water quality?**

No Impact. The design and operation of the bikeway and trail has no aspect that could potentially degrade water quality. As discussed above, construction nuisance would be addressed by good housekeeping measures enumerated in the SWPPP, and the design takes into account the desire for permeability and dissipation of concentrated runoff. Therefore, no mitigation is necessary.

- (g) **Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?**
- (h) **Place within a 100-year flood hazard area structures which would impede or redirect flood flows?**
- (i) **Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?**
- (j) **Expose people or structures to inundation by seiche, tsunami, or mudflow?**

(g) through (j)

No Impact. The project site is located in a hilly area of northeast Anaheim. The area is not known for any flood hazard areas. Based on the City's Inundation Map shown in the Safety Element of the General Plan, the project site does not lie within an inundation area for Prado Dam, Carbon Canyon Dam, or Walnut Canyon Reservoir. The project lies too far inland for inundation by seiche, tsunami, or mudflow associated with tidal flooding. No mitigation is necessary.

4.9.3 Findings Related to Hydrology

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant

environmental impacts to Hydrology and Water Quality, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Hydrology and Water Quality that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Hydrology and Water Quality requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to hydrology and water quality identified and considered in EIR No. 330 or the Master Plan Addendum.

4.9.4 Mitigation Measures

There are no mitigation measures related to Hydrology from the Updated and Modified MMP No. 122A for EIR No. 330 and MMP No. 343 for the Master Plan Addendum, that are applicable to the Proposed Project.

4.10 LAND USE

4.10.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 concluded that implementation of the Update Project would not substantially divide established communities. The Update Project was found to be consistent with plans and policies intended to avoid or mitigate an environmental effect, including the City’s General Plan and Zoning Code, and the Regional Comprehensive Plan and Guide issued by SCAG. The Update Project implementation was found to comply with provisions of the Orange County Central/Coastal Natural Communities Conservation Plan (NCCP).

2017 Master Plan Addendum

The Master Plan Addendum concluded that the proposed facilities would not divide an established community and would benefit communities by providing connectivity between existing and planned bikeways. While the Master Plan Addendum required a General Plan Amendment, it was found to be consistent with applicable land use plans and policies, including the NCCP.

4.10.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Conflict with an applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- (a) **Physically divide an established community?**
- (b) **Conflict with an applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?**
- (c) **Conflict with any applicable habitat conservation plan or natural community conservation plan?**

(a) through (c)

No Impact. The Proposed Project involves the implementation of segments of a planned bikeway and planned riding and hiking trail. Generally, these types of uses are consistent with a variety of land uses and do not require any special consistency review. These facilities would connect communities by providing more readily available non-motorized travel routes within the community. Lastly, based on the discussion in Section 4.4, Biological Resources, the project site and area are not included in the Reserve Area for the NCCP. Therefore, the Proposed Project would not have any land use impacts. No mitigation is required.

Because the alignment of the bikeway proposes to add a 1,200 ft spur along Imperial Highway, the City may endeavor to add this spur to the Bikeway Master Plan. Because the spur does not replace or re-align Bike Route No. 21 and only adds to the route, the spur's status on the Bikeway Master Plan would not constitute an impact to the Master Plan.

4.10.3 Findings Related to Land Use and Planning

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Land Use and Planning, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Land Use and Planning that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Land Use and Planning requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Land Use and Planning identified and considered in EIR No. 330 or the Master Plan Addendum.

4.10.4 Mitigation Measures

No mitigation measures related to Land Use and Planning were outlined in the previously certified environmental analysis, and no mitigation measures are required for the Proposed Project.

4.11 MINERAL RESOURCES

4.11.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 indicated that the State of California designates one mineral resource zone (MRZ)-2 area and three specific areas of regionally significant mineral resources within the City of Anaheim. It also indicated that extensive amounts of the sand and gravel aggregate have been removed from these areas and the surface for these areas was to be closed in December 2004, resulting in less than significant impacts related to mineral resources.

2017 Master Plan Addendum

The Master Plan Addendum concluded that implementation of the proposed facilities would not cause an additional loss of availability of mineral resources beyond what was identified in the Update Project EIR for planned development of the City, and no locally important mineral recovery sites would be lost due to implementation of the proposed facilities.

4.11.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b)	Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. According to the City’s General Plan Mineral Resource Map, the proposed trail alignments would not be located within a Mineral Resource Zone or Regionally Significant Aggregate Resource Area. Therefore, the proposed trails would have no impact on the availability of known mineral resources.

(b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. As stated above, according to the City's General Plan Mineral Resource Map, the Proposed Project is not located within a locally important mineral resource recovery site. The City's General Plan does not identify any mineral resources within the vicinity of the project area. Therefore, the Proposed Project would have no impact on locally important mineral resources.

4.11.1 Findings Related to Mineral Resources

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Mineral Resources, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Mineral Resources that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Mineral Resources requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Mineral Resources identified and considered in EIR No. 330 or the Master Plan Addendum.

4.11.2 Mitigation Measures

No mitigation measures related to Mineral Resources were outlined in the previously certified environmental analysis, and no mitigation measures are required for the Proposed Project.

4.12 NOISE

4.12.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 determined that implementation of the General Plan goals and policies, existing codes and regulations, and implementation of mitigation measures would reduce all potential short-term construction noise and vibration impacts to a less than significant level. However, operational noise impacts have been determined as significant and unavoidable as many roadways within the City are expected to generate noise levels in excess of the 65 decibel (dB) Community Noise Equivalent Level (CNEL). As a result, in locations where these roadways are adjacent to existing sensitive land uses, the impacts are anticipated to remain significant.

Railroad and airport noise impacts and industrial stationary-source noise impacts were also identified as less than significant provided that relevant General Plan goals and policies, Municipal Codes, and mitigation measures are implemented.

2017 Master Plan Addendum

The Master Plan Addendum concluded that construction of the proposed bike routes would result in low levels of construction noise and groundborne vibration and would generally not be located in close proximity to sensitive receptors. In addition, the Master Plan Addendum concluded that construction would comply with all City noise standards and regulations. Operation of the bikeways would not generate excessive noise. The Master Plan Addendum identified noise impacts as less than significant, and no change in severity from impacts identified in the Certified EIR would occur.

4.12.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
				<input type="checkbox"/>	
(a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

This discussion is based on the *Technical Noise Memorandum for the Nohl Ranch Open Space Trail Project, May 25, 2018* (LSA, provided in Appendix F of this Addendum). Because the Proposed Project involves the construction of non-motorized trails, the analysis focuses on the construction impacts because the bicycle and riding and hiking trails would not create any operational noise impacts.

City of Anaheim Noise Standards

The Noise Element of the City of Anaheim General Plan indicates that exterior noise levels at residential locations should not exceed a CNEL of 65 decibels (dB) while interior levels shall not exceed a CNEL of 45 dB in any habitable room.

Stationary sources of noise are governed under the local Municipal Code, Chapter 6.70, Sound Pressure Levels. Section 6.70.010 simply states that “No person shall, within the City, create any sound, radiated for extended periods from any premises which produces a sound pressure level at any point on the property in excess of sixty decibels (Re 0.0002 Microbar) read on the A-scale of a sound level meter. Readings shall be taken in accordance with the instrument manufacturer’s instructions, using the slowest meter response.” The section goes on to state “Traffic sounds, sound created by emergency activities and sound created by governmental units shall be exempt from the applications of this chapter. Sound created by construction or building repair of any premises within the City shall be exempt from the applications of this chapter during the hours of 7:00 a.m. and 7:00 p.m.”

- (a) **Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?**
- (c) **A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?**
- (d) **A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?**

(a), (c), and (d)

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Construction of the Proposed Project would not result in substantial construction noise levels as the project would not require equipment staging, pile driving, road cuts, stream channel work, or other heavy noise-generating activities. In addition, all local noise ordinances for the City would be enforced during construction. Sensitive receptors in the project vicinity include schools and residential uses. However, based on the types of construction activities, limited duration of construction, and adherence to local noise ordinances, construction-related noise impacts would be less than significant. Operation of the proposed trail would include additional bicyclists and pedestrians, which would generate far lower noise levels than the existing traffic along Imperial Highway and Nohl Ranch Road. Impacts would be less than significant, and no mitigation would be required.

- (b) **Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Construction of the proposed Class I bike path would involve use of construction equipment and trucks that would generate some groundborne vibration. Given the limited intensity of construction effort – construction of paved bike paths about 10 ft wide – construction of the paths is not expected to generate the intensity of groundborne vibration that activities such as pile driving and heavy grading do. In addition, the project site is adjacent to an existing roadway, within undeveloped land, and along a utility right-of-way, where the nearest structures for human occupancy would be far enough from the proposed bike path that they would not be susceptible to architectural damage or annoyance as a result of construction-generated vibration. Impacts would be less than significant, and no mitigation would be required.

- (e) **For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The project site is outside of the 65 CNEL noise contours for the Fullerton Municipal Airport and the Los Alamitos Joint Forces Training Base. Therefore, the Proposed Project would not expose people to excessive noise levels generated by aircraft approaching or

departing either airport. Impacts would be less than significant, and no mitigation would be required.

(f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The project site is not located near any private airstrips or heliport facilities. Furthermore, the project trail alignments would not involve any above-grade structures within the 2 miles of a private airstrip or heliport facilities that could result in noise exposure from aircraft. No impact would occur, and no mitigation is necessary.

4.12.3 Findings Related to Noise

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Noise, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Noise that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Noise requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Noise identified and considered in EIR No. 330 or the Master Plan Addendum.

4.12.4 Standard Conditions

The Proposed Project is a trail project and would not modify existing roadways or construct new roadways that have the potential to increase traffic noise. However, compliance with the City's construction hours as specified in Section 6.70.010 of the Municipal Code would be required to minimize construction noise impacts on sensitive land uses adjacent to the project site. Implementation of Standard Condition (SC) NOI-1, including restrictions on permissible hours of noise-producing construction activities, would reduce construction noise impacts to a less than significant level.

- SC NOI-1** Implementation of the following multipart standard conditions would further reduce potential construction noise impacts:
- The construction contractor shall ensure that all equipment driven by internal combustion engines shall be equipped with mufflers and intake silencers no less effective than originally equipped.
 - At all times during project grading and construction, the construction contractor shall ensure that stationary noise-generating equipment shall be located as far as practicable from sensitive receptors and placed so that emitted noise is directed away from adjacent residences.
 - The project contractor shall utilize portable noise barriers any time “heavy” construction equipment (typically defined as greater than 250 horsepower) operates within 100 feet (ft) of existing residences.
 - The construction contractor shall limit all noise-producing construction activities, including deliveries and the warming up of equipment, to the hours of 7:00 a.m. to 7:00 p.m.

4.12.5 Mitigation Measures

No mitigation measures related to noise from the previously certified environmental analysis are applicable to the Proposed Project.

4.13 POPULATION AND HOUSING

4.13.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

Population and housing impacts were identified as less than significant in EIR No. 330. Estimated population growth due to the Update Project would be within population projections for Orange County and would thus not be a significant impact. The Update Project would involve development of more housing units than the number of units forecast for the City in 2030; however, the increase reflects a shift in future housing development to more multifamily residential units and does not indicate a significant population impact. EIR No. 330 concluded that the Update Project would develop increased numbers of housing units near major employment centers, thus reducing travel distances and improving jobs-housing balance.

2017 Master Plan Addendum

The Master Plan Addendum concluded that implementation of the proposed facilities would not include housing or directly increase the population. Indirect increases in the population would not occur as the proposed facilities would not generate employment. No housing or residential displacement would occur as a result of the proposed facilities.

4.13.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b)	Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c)	Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- (a) **Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The proposed trails include updated alignments of Bike Paths 18 and 21 analyzed in the Master Plan Addendum. As the proposed trails would include a minor alternation by placing the northern segment of the alignment along Imperial Highway, the Proposed Project would provide similar infrastructure improvements to those analyzed in the Master Plan Addendum. As stated above, the proposed trail facilities do not include any housing and would not directly increase the population. It is anticipated that employees for construction work would come from the local labor force and would not increase the population. As these bicycle and pedestrian infrastructure improvements were accounted for in the previous environmental analysis and would not result in indirect population growth, impacts would be less than significant, and there would be no change from the previous EIR and Master Plan Addendum.

- (b) **Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?**
- (c) **Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?**

(b) and (c)

No Impact. The proposed trails would alter the alignment of Bike Path Nos. 18 and 21 in the Master Plan; however, the proposed alignment would be altered to be located within Imperial Highway rather than within open space. The proposed trails would not result in the displacement of any housing and would not necessitate the construction of housing elsewhere. No impact would occur.

4.13.3 Findings Related to Population and Housing

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project would require a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Population and Housing, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Population and Housing that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan

Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Population and Housing requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Population and Housing identified and considered in EIR No. 330 or the Master Plan Addendum.

4.13.4 Mitigation Measures

No mitigation measures related to Population and Housing were outlined in the previously certified environmental analysis, and no mitigation measures are required for the Proposed Project.

4.14 PUBLIC SERVICES

4.14.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 determined that the Update Project was expected to generate increased numbers of calls for fire and police services due to increased numbers of residents and employees and increased development intensity in the City. However, EIR No. 330 concluded that compliance with the relevant goals and policies and Municipal Codes, and implementation of Mitigation Measure MM 5.11-1 would reduce impacts to a less than significant level.

2017 Master Plan Addendum

The Master Plan Addendum concluded that as the proposed facilities would not result in additional population growth, no additional public services would be required. Construction of the proposed facilities would result in minimal disruption to service response or access to services.

4.14.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. Fire Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Police Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- (a) **Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:**

1. Fire Protection:

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. As discussed above, the proposed trails would not result in additional direct or indirect growth in the City that would require increased fire services demand or require additional fire services. Impacts related to fire services were discussed in EIR No. 330, which concluded that upon implementation of regulatory requirements, General Plan goals and policies, and mitigation measure, buildout of the General Plan would not result in significant impacts related to fire services. Although limited roadway closures could occur during bikeway construction along Imperial Highway, most improvements would occur within the ultimate right-of-way, and minimum disruption with readily accessible alternative routes is anticipated. No full closures of Imperial Highway are anticipated during construction and at least one lane in each direction would be open at all times. Bikeways would be constructed in compliance with the existing regulations and would have negligible impacts to the fire response times once the facilities are completed. The Proposed Project would not create additional demands for fire protection compared to EIR No. 330 and the Master Plan Addendum.

2. Police Protection:

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. As discussed above, the Proposed Project would not result in direct or indirect population growth resulting in additional demand for police protection or requiring additional police services. Construction of the proposed trails would be within open space and along Imperial Highway. Construction activities would not inhibit emergency access to the surrounding neighborhoods and schools. The Proposed Project would not change any of the goals or policies related to police protection, and the Proposed Project would not create a new significant impact or a substantial increase in the severity of previously identified effects in EIR No. 330 and the Master Plan Addendum.

3. Schools:

No Impact. Demand for school facilities depends on the numbers of households in the schools' service areas. The proposed trails would not develop housing and would not result in any direct or indirect population growth. Therefore, the Proposed Project would have no impact on demands for schools. Preparation of a subsequent EIR would not be necessary.

4. Parks:

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Demand for park facilities depends on the numbers of households in the parks' service areas. The proposed trails would not develop housing and would not result in any direct or

indirect population growth. Construction of the proposed trails may result in minor, temporary impacts to Anaheim City Park, where the alignment crosses along the northern edge of the Park and across South Scout Trail. While minor construction work may occur within the Park, public access to the Park would be maintained throughout the entire construction period. Therefore, the Proposed Project would not create a new significant impact or substantial increase in park use. Preparation of a subsequent EIR would not be necessary.

5. Other Public Facilities:

No Impact. The proposed trails project would not impact any other public facilities. No mitigation is required.

4.14.3 Findings Related to Public Services

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Public Services, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Public Services that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Public Services materials requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Public Services identified and considered in EIR No. 330 or the Master Plan Addendum.

4.14.4 Mitigation Measures

No mitigation measures related to Public Services from the previously certified environmental analysis are applicable to the Proposed Project.

4.15 RECREATION

4.15.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 concluded that buildout of the Update Project would cause increased demands for parks in the City overall, and increased demands specifically in areas where residential uses would be permitted where no such uses then existed.

Residential developments in the City are required to dedicate land for parkland and/or pay in-lieu fees to offset impacts on demands for parks. Impacts were identified as less than significant after compliance with the City’s park dedication ordinance.

2017 Master Plan Addendum

The Master Plan Addendum concluded that although improved bike path access has the potential to increase park use, this is an intended consequence of the proposed facilities, and park users are already being served by existing recreation facilities. As the proposed facilities would not result in population growth, no construction or expansion of recreational facilities would be required.

4.15.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- (a) **Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The Proposed Project is the fulfillment of planned recreation facilities in the area. The proposed trails would provide more options for trail users resulting in a more balanced trail system in the area. Use of the planned bikeway and trails systems is a presumption of the General Plan. No mitigation is necessary.

- (b) **Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?**

No Impact. The Proposed Project is a recreational facility that was anticipated as part of the General Plan and Master Plan Addendum. The Proposed Project includes the implementation of segments of recreational facilities. There are no anticipated impacts that would necessitate expansion of planned recreational facilities in the City. No mitigation is necessary.

4.15.3 Findings Related to Recreation

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No. 330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Recreation, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Recreation that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Recreation requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Recreation identified and considered in EIR No. 330 or the Master Plan Addendum.

4.15.4 Mitigation Measures

No mitigation measures related to Recreation were outlined in the previously certified environmental analysis.

4.16 TRANSPORTATION/TRAFFIC

4.16.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

EIR No. 330 identified significant traffic impacts of the Update Project buildout at seven intersections:

- Dale Avenue / Lincoln Avenue
- Harbor Boulevard / Ball Road
- Sportstown / Katella Avenue
- Tustin Avenue / La Palma Avenue
- Tustin Avenue / SR-91 Westbound Ramps
- Imperial Highway / Santa Ana Canyon Road
- Weir Canyon Road / SR-91 Eastbound Ramps

Improvements proposed in the Circulation Element of the Update Project reduced impacts at four of the seven intersections to less than significant. After mitigation, traffic impacts at three of the intersections were identified as significant and unavoidable:

- Harbor Boulevard / Ball Road
- Tustin Avenue / La Palma Avenue
- Imperial Highway / Santa Ana Canyon Road

Impacts at one Congestion Management Program (CMP) intersection, Harbor Boulevard / Ball Road, were identified as significant and unavoidable. Buildout of the Update Project was not identified as significantly impacting air traffic levels or air traffic patterns; roadway design hazards; emergency access; or parking capacity.

2017 Master Plan Addendum

The Master Plan Addendum concluded that the proposed facilities were consistent with the General Plan land use assumptions as they would not impact development densities or growth projections. In addition, the proposed facilities would be consistent with the CMP by decreasing vehicles trips and increasing bicycle ridership. The proposed facilities would have no impact on air traffic. The proposed facilities would increase safety with updated bike path design features rather than increase hazards.

4.16.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

- (b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?
- (c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?
- (e) Result in inadequate emergency access?
- (f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

(a), (b), (c), (e), and (f)

No Impact. The Proposed Project is the implementation of segments of a bikeway and riding and hiking trails. Therefore, the Proposed Project would not increase the amount of vehicle trips except during construction. Construction traffic would be very limited, as it would include occasional deliveries and the construction crew. In addition, the construction traffic would be short-term, lasting only during the construction phase. Therefore, the Proposed Project could not affect traffic in a way that would exceed any local standards.

The proposed bikeway and trails would enhance emergency access along the alignment. They would implement local and State policy on providing alternate transportation modes. Lastly, the Proposed Project has no potential to impact air traffic. No mitigation is necessary.

- (d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. Both the bikeway and trails have been designed to minimize environmental impacts while still meeting design requirements for Caltrans and the City, respectively. In order to ensure the safe crossing of South Scout Trail, a new push-button signal and crosswalk were included in the design. Therefore, any potential hazards of the Proposed Project have been addressed in the project design. No additional mitigation is necessary.

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No.330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Transportation and Traffic, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Transportation and Traffic that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Transportation and Traffic requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Transportation and Traffic identified and considered in EIR No. 330 or the Master Plan Addendum.

4.16.3 Mitigation Measures

No mitigation measures related to Transportation/Traffic from the previously certified environmental analysis are applicable to the Proposed Project.

4.17 UTILITIES AND SERVICE SYSTEMS

4.17.1 Summary of Impacts Identified in the Certified EIR

EIR No. 330 for the Update Project

Water. Water demands through buildout of the Update Project were identified in EIR No. 330 as lower by nearly 10 percent, or about 10 million gallons per day (mgd), than buildout of the existing General Plan. Additional water mains were identified as needed for fire flow requirements in the Anaheim Resort Specific Plan Expansion Area. EIR No. 330 concluded that water supply impacts were less than significant after implementation of mitigation.

Sewer. Several deficient sewers that would require expansion were identified in EIR No. 330, especially in the Platinum Triangle and the Anaheim Resort Specific Plan Expansion Area. Impacts of the Update Project were identified as less than significant.

Wastewater Treatment. EIR No. 330 concluded that the Update Project would generate slightly less wastewater than buildout of the previous General Plan. Wastewater treatment impacts were identified as less than significant.

Solid Waste Disposal. EIR No. 330 concluded that solid waste generation by the Update Project would be slightly less than that through buildout of the previous General Plan. Solid waste disposal impacts were determined to be less than significant.

Storm Drainage Facilities. Existing drainage facilities in some parts of the City were identified as deficient. In addition, the eastern part of the Hill and Canyon Area was then vacant, thus requiring construction of drainage facilities in that area to serve future developments.

2017 Master Plan Addendum

The Master Plan Addendum concluded the proposed facilities would result in a minimal addition of water and wastewater due to proposed shower and locker facilities. However, this minimal increase would not impact wastewater or water treatment facilities or exceed treatment requirements. The proposed facilities would be mostly placed within the existing right-of-way and would utilize the existing drainage features. Compliance with the existing flood control standards would ensure the additional impervious surfaces from the proposed facilities would not require the expansion of stormwater drainage facilities. The proposed facilities would not alter the land use assumptions in the Urban Water Management Plan (UWMP) which concluded there would be sufficient water supplies to meet the City's demands for the 2020–2040 planning period. Construction waste from the proposed facilities would be accommodated by existing landfill capacity and would comply with all federal, State, and local regulations.

4.17.2 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues		Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a)	Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b)	Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c)	Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d)	Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(e)	Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(f)	Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	--------------------------	--------------------------	-------------------------------------

- a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?
- b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?
- c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?
- d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?
- e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?
- f) Be served by a landfill with sufficient permitted capacity to accommodate the project’s solid waste disposal needs?
- g) Comply with federal, state, and local statutes and regulations related to solid waste?

(a) through (g)

No Impact. The Proposed Project is the implementation of bikeway and trail segments. There will be a minor increase in water usage to establish the new landscaping. This increase in water usage is nominal, and while it may be required for many years, all irrigation will be in compliance with the City’s maintenance policies. There are no other elements of the project that would create impacts to other public utilities and service systems. As originally anticipated in the Master Plan Addendum, projects anticipated to be implemented had very small and limited effects on utility and service systems. That remains true for the Proposed Project. No mitigation is necessary.

4.17.3 Findings Related to Services and Utilities/Energy

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No.330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts to Utilities and Service Systems, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances pertaining to Utilities and Service Systems that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact to Utilities and Service Systems requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts pertaining to Utilities and Service Systems identified and considered in EIR No. 330 or the Master Plan Addendum.

4.17.4 Mitigation Measures

No mitigation measures related to Utilities and Services Systems from the previously certified environmental analysis are applicable to the Proposed Project.

4.18 MANDATORY FINDINGS OF SIGNIFICANCE

4.18.1 Impacts Associated with the Proposed Project

Would the Proposed Project:

Environmental Issues	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change in Circumstances Requiring Major EIR Revisions	New Information Showing New or Increased Significant Effects	Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR	No Impact
(a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- a) **Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The project site does not contain any significant biological resources. As demonstrated in this Addendum, the Proposed Project would not result in new significant impacts to biological or cultural resources, nor would it substantially increase the severity of impacts evaluated and determined in the Certified EIR. Because the Proposed Project would not meet any of the criteria identified in Section 15162 of the *State CEQA Guidelines* requiring preparation of a subsequent or supplemental EIR, an Addendum to EIR No. 330 is the appropriate document type for the Proposed Project.

- b) **Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. The Proposed Project would implement a planned bikeway and riding and hiking trail. As discussed throughout this Addendum, all impacts of the Proposed Project would be fairly minor and/or short-term making them less than significant. No new impacts were identified, and all mitigation measures are either from EIR 330, the Master Plan Addendum, or compliance with standard conditions/requirements.

Therefore, the Proposed Project would not result in any new cumulatively considerable impacts or substantially increase the severity of the cumulative effects previously disclosed in the Certified EIR. As demonstrated in this Addendum, the Proposed Project would not result in new significant impacts, nor would it substantially increase the severity of impacts evaluated and determined in the Certified EIR. Because the Proposed Project would not meet any of the criteria identified in Section 15162 of the *State CEQA Guidelines* requiring preparation of a subsequent or supplemental EIR, an Addendum to EIR No. 330 and the Master Plan Addendum is the appropriate document type for the Proposed Project.

- c) **Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?**

Less Than Significant Impacts/No Changes or New Information Requiring Preparation of an EIR. As demonstrated in this Addendum, the Proposed Project would not result in new significant impacts, nor would it substantially increase the severity of impacts evaluated and determined in the Certified EIR. Because the Proposed Project would not meet any of the criteria identified in Section 15162 of the *State CEQA Guidelines* requiring preparation of a subsequent or supplemental EIR, an Addendum to EIR No. 330 is the appropriate document type for the Proposed Project.

4.18.2 Findings

No New Significant Effects Requiring Major EIR Revisions. Based on the foregoing analysis and information, there is no evidence that the Proposed Project requires a major change to EIR No.330 or the Master Plan Addendum. The Proposed Project would not result in new significant environmental impacts, nor is there a substantial increase in the severity of impacts described in EIR No. 330 or the Master Plan Addendum.

No Substantial Change in Circumstances Requiring Major EIR Revisions. The project site and surrounding area have not been further developed or altered since the Master Plan Addendum was prepared. There is no information in the record or otherwise available that indicates that there are substantial changes in circumstances that would require major changes to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Greater Significant Effects than EIR No. 330 or the Master Plan Addendum. This Addendum has analyzed all available relevant information to determine whether there is new information that was not available at the time that EIR No. 330 and the Master Plan Addendum were certified, indicating that a new significant effect not reported in that document may occur. Based on the information and analyses above, there is no substantial new information indicating that there would be a new significant impact requiring major revisions to EIR No. 330 or the Master Plan Addendum.

No New Information Showing Ability to Reduce Significant Effects in EIR No. 330 or the Master Plan Addendum. There are no alternatives to the Proposed Project or additional mitigation measures that would substantially reduce one or more significant impacts identified and considered in EIR No. 330 or the Master Plan Addendum.

5.0 LIST OF PREPARERS

5.1 CITY OF ANAHEIM

Planning Department

Ignacio Rincon Associate Planner

Public Works Department

Cesar Carrillo Principal Civil Engineer
Rafael Contreras Associate Engineer

Community Services Department

Pamela Galera Parks Manager
Jose Jimenez Principal Project Planner

5.2 LSA ASSOCIATES, INC.

Romi Archer Associate, Environmental Lead
Eric Krieg Associate, Biologist
Christina Hirt Environmental Planner

5.3 GHD

Myung Choo Senior Engineer/Project Manager

This page intentionally left blank

6.0 REFERENCES

- Anaheim, City of. 1992. Anaheim Riding and Hiking Trail Design Standard Detail No 643.
- _____. 2004a. Anaheim General Plan (and as amended thereafter). May 25.
- _____. 2004b. Anaheim General Plan/Zoning Code Update EIR. May.
- _____. 2010 (adopted). City of Anaheim Municipal Code.
- _____. 2016a. City of Anaheim List of Historic Structures. June 14. Website: <http://anaheim.net/DocumentCenter/View/1486>.
- _____. 2016b. City of Anaheim Mills Act Properties by Address. January 19. Website: <http://www.anaheim.net/DocumentCenter/View/1561>.
- Anaheim Fire & Rescue. 2014. *Anaheim Fire & Rescue Strategic Plan 2012–2018*. Website: http://www.anaheim.net/images/section/73/AFR_Strategic_Plan.pdf.
- _____. 2017. Anaheim Fire & Rescue Emergency Management and Preparedness. March 14. Website: <https://www.anaheim.net/847/Emergency-Management-Preparedness>.
- Anaheim Public Utilities (APU). 2016. *2015 Urban Water Management Plan*. June 14, 2016. Website: <https://www.anaheim.net/DocumentCenter/View/11777/Anaheim-UWMP-2016?bidId=>.
- _____. 2017. Electric Services Facts. April 14. Website: <http://www.anaheim.net/2104/Electric-Services-Facts>.
- Airnav.com. 2017. Airport Information. February 10. Website: <http://www.airnav.com/airports/>.
- California Air Resources Board (CARB). 1999. *Update to the Toxic Air Contaminant List*. Final Staff Report. December.
- _____. 2005, April. Air Quality and Land Use Handbook: A Community Health Perspective.
- _____. 2008, October. Climate Change Proposed Scoping Plan, a Framework for Change.
- _____. 2010, August. Proposed Regional Greenhouse Gas Emission Reduction Targets for Automobiles and Light Trucks Pursuant to Senate Bill 375. Staff Report.
- _____. 2012a, April. California Greenhouse Gas Inventory for 2000–2009. By Category as Defined by the Scoping Plan.
- _____. 2012b. Status of Scoping Plan Recommended Measures. Website: http://www.arb.ca.gov/cc/scopingplan/status_of_scoping_plan_measures.pdf.

-
- _____. 2013a. *Area Designations Maps/State and National*. April 1. Website: <http://www.arb.ca.gov/desig/adm/adm.htm>.
- _____. 2013b. *Ambient Air Quality Standards*. June 4. Website: <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>.
- _____. 2013c. *Proposed 2013 Amendments to Area Designations for State Ambient Air Quality Standards*. October 23. Website: http://www.arb.ca.gov/regact/2013/area13_area13isor.pdf.
- _____. 2014a. *Air Pollution Data Monitoring Cards (2008, 2009, 2010, 2011, and 2012)*. Website: <http://www.arb.ca.gov/adam/topfour/topfour1.php> (accessed January 2014).
- _____. 2014b. *Proposed First Update to the Climate Change Scoping Plan: Building on the Framework*. May 15, 2014. Website: <http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>.
- _____. 2016. *Area Designations Maps: State and National*. May 5. Website: <http://www.arb.ca.gov/desig/adm/adm.htm>.
- _____. 2017. *The 2017 Climate Change Scoping Plan Update: The Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target*. January 20, 2017. Website: https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf.
- California Climate Action Team (CAT). 2006. *Climate Action Team Report to Governor Schwarzenegger and the Legislature*. March.
- California Department of Conservation (DOC). 2016. *Farmland Mapping and Monitoring Program*, published July 2016.
- California Department of Toxic Substances Control (DTSC). 2017, February 9. *EnviroStor*. Website: <http://www.envirostor.dtsc.ca.gov/public/>.
- California Department of Transportation (Caltrans). 1997. *Transportation Project-Level Carbon Monoxide Protocol*. December. UCD-ITS-RR-97-21. Prepared by Institute of Transportation Studies, University of California, Davis.
- _____. 2014. *Scenic Highways Program*. Website: <http://www.dot.ca.gov/hq/LandArch/scenic/faq.htm>.
- California Department of Water Resources (DWR). 1967. *Progress Report on Ground Water Geology of the Coastal Plain of Orange County*. July 1967.
- California Energy Commission (CEC). 2006a. *Inventory of California Greenhouse Gas Emissions and Sinks 1990 to 2004*. December. Report CEC-600-2006-013-SF.
-

_____. 2006b. *Our Changing Climate: Assessing the Risks to California*. 2006 Biennial Report. CEC-500-2006-077.

_____. 2008. *The Future Is Now: An Update on Climate Change Science, Impacts, and Response Options for California*. Report CEC-500-2008-0077.

California Geological Survey (CGS)(formerly the Division of Mines and Geology [CDMG]). 1997. *Seismic Hazard Zone Report for the Orange 7.5-Minute Quadrangle, Orange County, California*.

_____. 2000. *A General Location Guide for Ultramafic Rocks in California: Areas More Likely to Contain Natural Occurring Asbestos*. August. Open-File Report 2000-19.

_____. 2008 (revised September 11, 2018). *Guidelines for Evaluating and Mitigating Seismic Hazards in California*. Special Publication 117A. *Guidelines for Evaluating and Mitigating Seismic Hazards in California*. Special Publication 117A.

_____. 2014. *A Glossary of Rock and Mineral Terminology*. Website: http://www.conservation.ca.gov/cgs/minerals/Pages/mineral_glossary.aspx.

City of Anaheim. 1992. Anaheim Riding and Hiking Trail Design Standard Detail No 643.

Federal Emergency Management Agency (FEMA). 2017. *Flood Map Service Center*. February 10, 2017. Website: <https://msc.fema.gov/portal>.

Intergovernmental Panel on Climate Change (IPCC). 2001. *IPCC Third Assessment Report: Climate Change 2001*.

Jennings, C.W., and W.A. Bryant. 2010. *2010 Fault Activity Map of California*. California Geological Survey Geologic Data Map No. 6, scale 1:750,000.

National Park Service (NPS). 2017. National Register of Historic Places. February 8, 2017. Website: <https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>.

Office of Historic Preservation (OHP). 2017. California Historical Resources. February 8, 2017. Website: <http://ohp.parks.ca.gov/listedresources/>.

Orange, County of. OC Public Works. 2005a. December 21. Orange County General Plan. Chapter VI: Resources Element. VI-10: Prehistoric Archaeology: General Areas of Sensitivity. Website: <http://www.ocplanning.net/civica/filebank/blobdload.asp?BlobID=8622>.

_____. 2005b. December 21. Orange County General Plan. Chapter VI: Resources Element. Figure VI-9: Paleontology: General Areas of Sensitivity. Website: <http://www.ocplanning.net/civica/filebank/blobdload.asp?BlobID=8621>.

_____. 2017. February 10. Seven Oaks Dam. Website: <http://www.ocflood.com/sarp/7oaks>.

Orange County Transportation Authority (OCTA). 2014. *Orange County Transportation Authority M2 Natural Community Conservation Plan/Habitat Conservation Plan Public Draft*. September. Website: http://www.octa.net/pdf/OCTA_NCCP_HCP_Plan.pdf.

Orange County Water District (OCWD). 2015, June 17. Ground Water Management Plan 2015 Update. Website: http://www.ocwd.com/media/3622/groundwatermanagementplan2015update_20150624.pdf.

_____. 2016a, October 27. Groundwater Replenishment System (GWRS). Website: <http://www.ocwd.com/gwrs/>.

_____. 2016b, November. GWRS Final Expansion Agreement Passes. Website: <http://www.ocwd.com/news-events/newsletter/2016/november-2016/gwrs-final-expansion-agreement-passes/>.

South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*.

_____. 2005. Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. May.

_____. 2006. Final – Methodology to Calculate Particulate Matter (PM)_{2.5} and PM_{2.5} Significance Thresholds. October. Website: [http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-\(pm\)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf](http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf) (accessed July 2018).

_____. 2008a. Multiple Air Toxics Exposure Study in the South Coast Air Basin (MATES III). September.

_____. 2008b. *Final Localized Significance Threshold Methodology*. July. Website: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds>.

_____. 2010. *Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 15*. September 28. Website: <http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/sept29.html>.

_____. 2011. (revised March). *SCAQMD Air Quality Significance Thresholds*. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2>.

_____. 2012a. *Final 2012 Lead State Implementation Plan: Los Angeles County*. May 4. Website: <http://www3.aqmd.gov/hb/attachments/2011-2015/2012May/2012-May4-030.pdf>.

_____. 2012b. *Air Quality Analysis Handbook. Updates to the CEQA Air Quality Handbook*. Website: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook>.

_____. 2012c. *Final 2012 Air Quality Management Plan*. Website: <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan>.

_____. 2013a, February. *Final Air Quality Management Plan*. February. Website: <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan>.

_____. 2016. California Emissions Estimator Model (CalEEMod). Version 2016.3.1.

Southern California Association of Governments (SCAG), 2008. *Regional Comprehensive Plan* guidelines.

_____. 2012, April 4. Regional Transportation Plan/Sustainable Communities Strategy 2012–2035. Website: <http://rtpscs.scag.ca.gov/Pages/default.aspx>.

State Water Resources Control Board (SWRCB). 2017. February 9. GeoTracker. Website: <http://geotracker.waterboards.ca.gov/>.

United States Census Bureau. 2017. American FactFinder: Community Facts, Anaheim City, California. Website: http://factfinder2.census.gov/faces/nav/jsf/pages/community_facts.xhtml.

United States Environmental Protection Agency (USEPA). 2009, December. EPA: Greenhouse Gases Threaten Public Health and the Environment, Science Overwhelmingly Shows Greenhouse Gas Concentrations at Unprecedented Levels Due to Human Activity. Website: <http://yosemite.epa.gov/opa/admpress.nsf/0/08D11A451131BCA585257685005BF252>.

_____. 2012a. April 20. What are the Six Common Air Pollutants? Website: <http://www.epa.gov/airquality/urbanair>.

_____. 2012b. Greenhouse Gas Emissions. Website: <http://www.epa.gov/climatechange/ghgemissions/gases.html>.

_____. 2015. Overview of Greenhouse Gases. Website: <http://www3.epa.gov/climatechange/ghgemissions/gases.html>.

_____. 2016. Criteria Air Pollutants. Website: <https://www.epa.gov/criteria-air-pollutants>.

_____. 2017. February 9. EnviroMapper for EnviroFacts. Website: <http://www.epa.gov/emefdata/em4ef.home>.

United States Geological Survey (USGS). 1901. Anaheim Quadrangle Topographic Sheet. Topoview. Website: <https://ngmdb.usgs.gov/maps/TopoView/viewer/#4/39.98/-100.06>.

_____. 2012. Orange, California Quadrangles. 7.5-minute topographic series, scale 1:24,000.

_____. 2017. March 15. The Modified Mercalli Intensity Scale. Website: <http://earthquake.usgs.gov/learn/topics/mercalli.php>.

APPENDIX A

AIR QUALITY AND GREENHOUSE GAS MEMORANDUM

MEMORANDUM

DATE: July 24, 2018

To: Romi Archer, LSA, Project Manager

FROM: Ronald Brugger, LSA, Senior Air Quality Specialist

SUBJECT: Air Quality and Greenhouse Gas Assessments for the Nohl Ranch Trail Project

INTRODUCTION

The City of Anaheim (City) in coordination with the California Department of Transportation (Caltrans), proposes to develop a 10-foot-wide Class I bikeway in compliance with Caltrans standards and a 3 to 10-foot-wide pedestrian trail in compliance with City trail standards. These two trails comprise the Nohl Ranch Open Space Trail (project).

This air quality and greenhouse gas (GHG) impact analysis has been prepared to evaluate the potential air quality impacts associated with the construction of the proposed project by examining the impacts on regional air quality as well as on adjacent sensitive land uses. Guidelines identified by the South Coast Air Quality Management District (SCAQMD 1993) in its *California Environmental Quality Act (CEQA) Air Quality Handbook* (SCAQMD) and associated updates were followed for purposes of this analysis.

REGIONAL PROJECT LOCATION

The project limits are from Imperial Highway at the east side of the intersection of Avenida Bernardo North to Anaheim Hills Road, an approximately 5,300 linear-foot segment. The alignment would run south along the east side of Imperial Highway for approximately 1,200 linear feet as a bikeway only. The trail (side by side bikeway and riding and hiking trail) then bends east and aligns north of the Imperial Park and the Canyon Hills Library and then closely parallels the north side of Nohl Ranch Road to its terminus at Anaheim Hills Road. Refer to Figure 1 (all figures attached), Regional and Project Location, for the project's location.

PROJECT DESCRIPTION

The proposed project includes the development of a 10-foot-wide Class I bikeway in compliance with Caltrans standards and a 3 to 10-foot-wide pedestrian trail in compliance with City trail standards. The project would also include signage and bicycle parking. Pedestrian amenities may also be included. Refer to Figure 2 for the bike and pedestrian trail alignment.

Sensitive Receptors

Air quality varies as a direct function of the amount of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts upon those persons termed “sensitive receptors” are the most serious hazards of adverse air quality conditions. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by the California Air Resources Board (CARB), may include children, the elderly, and people with cardiovascular and chronic respiratory diseases. Sensitive receptors may include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes.

Adjacent land uses include Canyon High School and Canyon Hills School east of the Imperial Highway segment, Imperial Elementary School, Imperial Park, Canyon Hills Library, and Canyon Hills Club south of the alignment and north of Nohl Ranch Road, and single-family residential homes north, west, and south of the alignment. Refer to Figure 2.

REGULATORY REQUIREMENTS

Federal Regulations/Standards

Pursuant to the federal Clean Air Act (CAA) of 1970, the EPA established the national ambient air quality standards (NAAQS). The NAAQS were established for six major pollutants, termed “criteria” pollutants; ozone (O₃), carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), particulate matter (PM) (which includes particulate matter less than 10 microns in size [PM₁₀] and particulate matter less than 2.5 microns in size [PM_{2.5}]), and lead. Criteria pollutants are defined as those pollutants for which the federal and State governments have established AAQS, or criteria, for outdoor concentrations in order to protect public health. The EPA has designated the Southern California Association of Governments (SCAG) as the Metropolitan Planning Organization (MPO) responsible for ensuring compliance with the requirements of the CAA for the Basin.

The United States has historically had a voluntary approach to reducing greenhouse gas (GHG) emissions. However, on April 2, 2007, the United States Supreme Court ruled that the EPA has the authority to regulate carbon dioxide (CO₂) emissions, a principal GHG, under the CAA. On December 7, 2009, the EPA Administrator signed a final action under the CAA, finding that six GHGs (CO₂, methane [CH₄], nitrous oxide [N₂O], hydrofluorocarbons [HFCs], perfluorocarbons [PFCs], and sulfur hexafluoride [SF₆]) constitute a threat to public health and welfare and that the combined emissions from motor vehicles cause and contribute to global climate change.

State Regulations/Standards

In 1967, the State Legislature passed the Mulford-Carrell Act, which combined two Department of Health bureaus (i.e., the Bureau of Air Sanitation and the Motor Vehicle Pollution Control Board), to establish the California Air Resources Board (CARB). Since its formation, CARB has worked with the public, the business sector, and local governments to find solutions to the State’s air pollution

problems. CARB is responsible for incorporating air quality management plans for local air basins into a SIP for EPA approval. Significant authority for air quality control within them has been given to local air quality districts that regulate stationary-source emissions and develop local nonattainment plans.

California adopted the California Clean Air Act (CCAA) in 1988. CARB administers the California Ambient Air Quality Standards (CAAQS) for the 10 air pollutants designated in the CCAA. These 10 State air pollutants are the six criteria pollutants designated by the federal CAA as well as four others: visibility-reducing particulates, H₂S, sulfates, and vinyl chloride.

Caltrans Categorical Exclusion Assignment

Under Section 6004 of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), Caltrans assumed FHWA's responsibilities for determining if a transportation project qualifies for a Categorical Exclusion (CE) – a type of NEPA action that does not involve significant environmental impacts. For projects determined to be categorically excluded, preparation of a NEPA document (an environmental impact statement or an environmental assessment) is not required. CE projects must still comply with the permitting and consultation requirements of other federal environmental regulations, which may require the development of avoidance, minimization, or mitigation strategies, if needed.

California Climate Action Milestones

California started developing climate action regulations in 1988 with AB 4420 (State of California, 2017). In 2002, California adopted AB 1493 directing CARB to adopt regulations to achieve the maximum feasible and cost-effective reduction of GHG emissions from motor vehicles. SB 1078 requires California electric utilities to use renewable energy sources for 33 percent of the total by 2020. In 2006 the State Legislature passed the California Global Warming Solutions Act of 2006 (AB 32), which created a comprehensive, multiyear program to reduce GHG emissions in California.

The initiatives, EOs, and statutes established since 1988 comprise the major milestones in California's efforts to address climate change through coordinated action on climate research, GHG mitigation, and climate change adaptation. Numerous other related efforts have been undertaken by State agencies and departments to address specific questions and programmatic needs. The Climate Action Team coordinates these efforts and others, which comprise the State's climate program (State of California 2017).

South Coast Air Quality Management District

The 1976 Lewis Air Quality Management Act established SCAQMD and other air quality districts throughout the State. The federal CAA Amendments of 1977 required that each state adopt an implementation plan outlining pollution control measures to attain the federal standards in nonattainment areas of the State.

South Coast Air Quality Management District Rules and Regulations

- Rule 402 – Nuisance - Air contaminants shall not cause injury, detriment, nuisance, or annoyance to any considerable number of persons.

- Rule 403 - Fugitive Dust - Fugitive dust from any active operation, open storage pile, or disturbed surface area shall not remain visible in the atmosphere beyond the property line of the emission source.

Regional Air Quality Management Plan

SCAQMD and SCAG are responsible for formulating and implementing the Air Quality Management Plan (AQMP) (SCAQMD 2016) for the Basin. The main purpose of an AQMP is to bring the area into compliance with federal and State air quality standards. SCAQMD prepares a new AQMP every 3 years, updating the previous plan and 20-year horizon.

The latest plan is the 2016 AQMP, which incorporates the latest scientific and technological information and planning assumptions, including the 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and updated emission inventory methodologies for various source categories. The 2016 AQMP included the integrated strategies and measures needed to meet the NAAQS, implementation of new technology measures, and demonstrations of attainment of the 1-hour and 8-hour ozone NAAQS as well as the latest 24-hour and annual PM_{2.5} standards. Key elements of the 2016 AQMP include:

- Calculation and credit for co-benefits from other planning efforts (e.g., climate, energy, and transportation);
- A strategy with fair-share emission reductions at the federal, State, and local levels;
- Investment in strategies and technologies meeting multiple air quality objectives;
- Identification of new partnerships and significant funding for incentives to accelerate deployment of zero and near-zero technologies;
- Enhanced socioeconomic assessment, including an expanded environmental justice analysis;
- Attainment of the 24-hour PM_{2.5} standard in 2019 with no additional measures;
- Attainment of the annual PM_{2.5} standard by 2025 with implementation of a portion of the ozone strategy;
- Attainment of the 1-hour ozone standard by 2022 with no reliance on “black box” future technology (CAA Section 182(e)(5) measures).

ENVIRONMENTAL SETTING

Air Quality Background

Air quality is primarily a function of local climate, local sources of air pollution and regional pollution transport. The amount of a given pollutant in the atmosphere is determined by the amount of the pollutant released and the atmosphere’s ability to transport and dilute the pollutant. The major determinants of transport and dilution are wind, atmospheric stability, terrain, and for photochemical pollutants, sunshine.

A region’s topographic features have a direct correlation with air pollution flow and, therefore, are used to determine the boundary of air basins. The proposed Project is located in Orange County, in the City of Anaheim, within the jurisdiction of the SQAQMD, which regulates air quality in the South Coast Air Basin (SCAB).

The SCAB is comprised of approximately 10,000 square miles and covers all of Orange County and the urban parts of Los Angeles, Riverside, and San Bernardino counties. The SCAG is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the SCAG is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

Air quality monitoring stations are located throughout the nation and maintained by the local air districts and State air quality regulating agencies. Data collected at permanent monitoring stations are used by the USEPA to identify regions as “attainment” or “nonattainment” depending on whether the regions meet the requirements stated in the applicable National Ambient Air Quality Standards (NAAQS). Nonattainment areas are imposed with additional restrictions as required by the USEPA. In addition, different classifications of attainment, such as marginal, moderate, serious, severe, and extreme, are used to classify each air basin in the State on a pollutant-by-pollutant basis. The classifications are used as a foundation to create air quality management strategies to improve air quality and comply with the NAAQS. As shown in Table 1, the SCAB is designated as non-attainment for O₃ and PM_{2.5} for federal standards and non-attainment for O₃, PM₁₀, and PM_{2.5} for State standards.

Table 1: Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
O ₃ 1-hour	Nonattainment	N/A
O ₃ 8-hour	Nonattainment	Extreme Nonattainment
PM ₁₀	Nonattainment	Attainment/Maintenance
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Unclassified/Attainment
NO ₂	Attainment	Unclassified/Attainment
SO ₂	Attainment	Attainment
Lead	Attainment ¹	Attainment ¹
All others	Attainment/Unclassified	Attainment/Unclassified

Source: Air Quality Standards and Area Designations (ARB 2016). Website: <http://www.arb.ca.gov/desig/desig.htm> (accessed July 2018).

¹ Except in Los Angeles County.

CO = carbon monoxide

N/A = not applicable

NO₂ = nitrogen dioxide

O₃ = ozone

PM₁₀ = particulate matter less than 10 microns in size

PM_{2.5} = particulate matter less than 2.5 microns in size

SO₂ = sulfur dioxide

Ozone levels, as measured by peak concentrations and the number of days over the State 1-hour standard, have declined substantially as a result of aggressive programs by the SCAQMD and other regional, State and federal agencies. The reduction of peak concentrations represents progress in improving public health; however the SCAB still exceeds the State standard for 1-hour and 8-hour

ozone levels. The USEPA lowered the 1997 0.80 parts per million (ppm) national 8-hour ozone standard to 0.75 ppm in 2008 and then to 0.70 ppm on October 1, 2015. The SCAB is classified nonattainment for the 1-hour and 8-hour ozone standards at the State and federal level. During the 2014-2016 time period, the Pico Rivera-4144 San Gabriel air monitoring station (the closest monitoring station to the project site) recorded the following exceedances of the State and federal 1-hour and 8-hour ozone standards (CARB 2018).

- Seven exceedances of the State and federal 8-hour ozone standard in 2014, 11 in 2015, and six in 2016;
- Seven exceedances of the State 1-hour ozone standard in 2014, six in 2015, and nine in 2016.

National and State standards have also been established for PM_{2.5} over 24-hour and yearly averaging periods. PM_{2.5}, because of the small size of individual particles, can be especially harmful to human health. PM_{2.5} is emitted by common combustion sources such as cars, trucks, buses and power plants, in addition to ground-disturbing activities. On December 17, 2006, the USEPA strengthened the 24-hour PM_{2.5} NAAQS from 65 µg/m³ to 35 µg/m³ and the SCAB was subsequently designated “moderate” nonattainment for 2006 24-hour PM_{2.5} NAAQS on December 14, 2009. The SCAB is also considered a nonattainment area for the PM_{2.5} standard at the State level. The following PM_{2.5} exceedances were recorded at the Pico Rivera air monitoring station:

- No exceedances of the federal 24-hour PM_{2.5} standard in 2014, three days in 2015, and two in 2016.

The SCAB is classified as a PM₁₀ nonattainment area at the State level and was redesignated from serious nonattainment to attainment of the federal PM₁₀ standard on July 26, 2013. Because the SCAB was re-designated from nonattainment to attainment, a PM₁₀ maintenance plan was adopted in 2013 and is required to be updated every 10 years. The State 24-hour PM₁₀ standard was exceeded 38 times in 2014, 30 times in 2015, and 21 times in 2016 at the Los Angeles-North Main Street air monitoring station (the closest station monitoring PM₁₀ to the project site). No exceedances of the federal 24-hour PM₁₀ standard were measured at the Los Angeles-North Main Street air monitoring station during the 2014-2016 time period.

All areas of the SCAB have continued to remain below the federal standards (35 ppm 1-hour and 9 ppm 8-hour) since 2003. U.S EPA re-designated the SCAB to attainment of the federal CO standards, effective June 11, 2017. The SCAB is also well below the State CO standards (20 ppm 1-hour and 9.0 ppm 8-hour).

Greenhouse Gas and Global Climate Change Background

Greenhouse gases (GHGs) are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include

naturally-occurring GHGs such as CO₂, CH₄, and N₂O, some gases, like HFCs, PFCs, and SF₆ are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere (“atmospheric lifetime”). The GWP of each gas is measured relative to CO₂, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO₂ over a specified time period. GHG emissions are typically measured in terms of pounds or metric tons of “CO₂ equivalents” (CO₂e).

THRESHOLDS OF SIGNIFICANCE

Under 23 USC 326 (Caltrans), Caltrans assumed responsibility for approving categorically exempt project assignment.

The State *CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable federal or state ambient air quality standards (including releasing emissions which exceed quantitative thresholds for ozone precursors);
- Expose sensitive receptors to substantial pollutant concentrations; or
- Create objectionable odors affecting a substantial number of people.

SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the Basin. The emissions thresholds were established based on the attainment status of the Basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety (SCAQMD 2016), these emissions thresholds are regarded as conservative and would overstate an individual project’s contribution to health risks.

Regional Thresholds for Construction Emissions

Table 2 lists the CEQA significance thresholds for construction emissions established for the Basin.

Table 2: Regional Thresholds for Construction Emissions

Activity	Pollutant Emissions Threshold (lbs/day)					
	VOC	NO _x	CO	PM ₁₀	PM _{2.5}	SO _x
Construction	75	100	550	150	55	150

Source: South Coast Air Quality Management District. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf> (accessed July 2018).

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM₁₀ = particulate matter less than 10 microns in size

PM_{2.5} = particulate matter less than 2.5 microns in size

SO_x = sulfur oxides

VOC = volatile organic compounds

Projects in the SCAB with construction-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines.

Localized Impacts Analysis

SCAQMD published its *Final Localized Significance Threshold Methodology* in June 2003 and updated it in July 2008 (SCAQMD 2003), recommending that all air quality analyses include an assessment of both construction and operational impacts on the air quality of nearby sensitive receptors. Localized significance thresholds (LSTs) represent the maximum on-site emissions from a project site of up to 5 acres that are not expected to result in an exceedance of the NAAQS or CAAQS. LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For this project, the appropriate SRA for the LST analysis is the Central Orange County Area (SRA 17).

If the total acreage disturbed during construction is less than or equal to 5 acres per day, then the SCAQMD's screening look-up tables can be used to determine if a project has the potential to result in a significant impact. In the case of CO and NO₂, because ambient levels are below the NAAQS and CAAQS, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM₁₀ and PM_{2.5}, both of which are nonattainment pollutants (SCAQMD 2006). For these two, the significance criteria are the pollutant concentration thresholds presented in SCAQMD Rules 403 and 1303. The Rule 403 threshold of 10.4 µg/m³ applies to construction emissions. The Rule 1303 threshold of 2.5 µg/m³ applies to operational activities.

The total area of the proposed project is approximately 1.2 acres. Based on project plans and the construction equipment planned, it is unlikely that the entire 1.2 acres could be disturbed on a peak day. Following SCAQMD LST guidance, the 2-acre construction thresholds were used for the construction analysis. The LST guidance specifies that only on-site emissions are to be included.

Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality. The closest existing sensitive receptors are residential units located to the north, west, and south of the alignment, with the closest approximately 50 feet (ft) from the project

construction boundary. The SCAQMD LST guidance specifies that the minimum distance to be considered is 25 meters (m), which is about 82 feet; thus, the emissions thresholds shown in Table 3 would apply during project construction.

Table 3: LSTs for a 2-Acre Site in Central Orange County at 82 Feet

Scenario	Emissions Threshold (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Construction	115	715	6	4

Source: SCAQMD. *Final Localized Significance Threshold Methodology* (2003, revised 2008).

CO = carbon monoxide

lbs/day = pounds per day

LST = local significance threshold

NO_x = nitrogen oxides

PM₁₀ = particulate matter less than 10 microns in size

PM_{2.5} = particulate matter less than 2.5 microns in size

SCAQMD = South Coast Air Quality Management District

Global Climate Change

State CEQA Guidelines Section 15064(b) provides that the “determination of whether a project may have a significant effect on the environment calls for careful judgment on the part of the public agency involved, based to the extent possible on scientific and factual data,” and further states that an “ironclad definition of significant effect is not always possible because the significance of an activity may vary with the setting.”

Appendix G of the *State CEQA Guidelines* indicates a project would normally have a significant effect on the environment if it would:

- 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.

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD convened a GHG CEQA Significance Threshold Stakeholder Working Group (Working Group) (SCAQMD 2010). Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD proposed an analysis methodology using a tiered approach for the evaluation of GHG emissions for development projects where SCAQMD is not the lead agency (SCAQMD). The applicable tier for this development project is Tier 3, a screening significance threshold of 3,000 metric tons of GHG per year.

AIR QUALITY IMPACTS

Air pollutant emissions associated with the project would occur over the short term from construction activities. Substantial long term operational emissions would not occur, as the project would construct bike and pedestrian paths and would not be an emission source. The sections

below describe project consistency with applicable air quality plans, estimated project emissions, and the level of impacts with respect to SCAQMD thresholds.

Construction Impacts

Construction activities can generate a substantial amount of air pollution. While construction activities are considered temporary, the short-term impacts can still contribute to exceedances of air quality standards. Construction activities would include grading and bicycle and walking trail preparation.

Equipment Exhausts and Related Construction Activities

Exhaust emissions from construction activities envisioned on-site would vary daily as construction activity levels change. The most recent version of CalEEMod (Version 2016.3.2) was used to calculate the peak daily construction emissions, based on the following information and assumptions.

It is anticipated that the construction period for the proposed project would be approximately 6 months, with completion anticipated in 2019. No nighttime or overtime construction is proposed. Construction hours would be in compliance with the City’s Noise Ordinance, which limits construction to the period from 7:00 a.m. to 7:00 p.m.

Construction phase durations and heavy-duty equipment from project plans were used for all phases. The results, summarized in Table 4, were compared to SCAQMD thresholds of significance for construction impacts.

Table 4: Short-Term Regional Construction Emissions

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	VOC	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Grading	1	16	7	<1	2	<1	1	<1
Trail Construction	2	20	8	<1	2	<1	<1	<1
Paving	<1	9	9	<1	<1	<1	<1	<1
Peak Daily	2	20	9	<1	3		2	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA (July 2018).

Note: PM₁₀ and PM_{2.5} fugitive emissions are from the Mitigated results - the only "mitigation" applied in this modeling are required dust control measures per SCAQMD Rule 403.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM₁₀ = particulate matter less than 10 microns in size

PM_{2.5} = particulate matter less than 2.5 microns in size

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

VOC = volatile organic compounds

Fugitive Dust

Fugitive dust emissions are generally associated with land clearing and exposure of soils to the air and wind, as well as cut-and-fill grading operations. Dust generated during construction varies substantially on a project-by-project basis, depending on the level of activity, the specific operations, and weather conditions at the time of construction. The proposed project will be required to comply with SCAQMD Rule 403 to control fugitive dust. Table 4 lists total construction emissions (i.e., fugitive-dust emissions and construction-equipment exhausts) that have incorporated the following Rule 403 measures that would be implemented to significantly reduce PM₁₀ emissions from construction. The Rule 403 measures that were incorporated in the CalEEMod analysis are as follows:

- Water active sites at least twice daily (locations, where grading is to occur, will be thoroughly watered prior to earthmoving).
- Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 2 ft (0.6 m) of freeboard (vertical space between the top of the load and the top of the trailer) in accordance with the requirements of California Vehicle Code Section 23114.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.

Localized Impacts Analysis

Table 5 shows the on-site localized emissions during construction. Results indicated that the construction emission rates would not exceed the LSTs for the existing residence along the trail alignment. Therefore, the project would not result in significant localized impacts during project construction.

Table 5: Construction Localized Impacts Analysis

Emissions Sources	Pollutant Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
On-Site Emissions	19	9	3	2
LST Thresholds	115	715	6	4
Significant Emissions?	No	No	No	No

Source: Compiled by LSA (July 2018).

Note: Source Receptor Area – Central Orange County, 2 acres, receptors at 82 feet

CO = carbon monoxide

NO_x = nitrogen oxides

lbs/day = pounds per day

PM_{2.5} = particulate matter less than 2.5 microns in size

LST = local significance threshold

PM₁₀ = particulate matter less than 10 microns in size

Odors

Heavy-duty equipment in the project area during construction would emit odors, primarily from equipment exhaust. However, the construction activity would cease to occur after individual construction is completed. No other sources of objectionable odors have been identified for the proposed project, and no mitigation measures are required.

SCAQMD Rule 402 regarding nuisances states: "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property." The proposed uses are not anticipated to emit any objectionable odors. Therefore, objectionable odors affecting a substantial number of people would not occur as a result of the proposed project.

Naturally Occurring Asbestos

The proposed project is located in Orange County, which is not among the counties that are found to have serpentine and ultramafic rock in their soils (CDOC). Therefore, the potential risk for naturally occurring asbestos during project construction is small and less than significant.

Construction Emissions Conclusions

Tables 4 and 5 show that daily regional construction emissions would not exceed the daily thresholds of any criteria pollutant emission thresholds established by SCAQMD and that, during construction, there would be no locally significant impacts.

Air Quality Management Plan Consistency

A consistency determination plays an essential role in local agency project review by linking local planning and unique individual projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique projects need to undergo a consistency review due to the air quality plan strategy being based on projections from local General Plans.

The AQMP is based on regional growth projections developed by SCAG. The proposed project is an open-space trail and is not defined as a regionally significant project under CEQA; therefore, it does not meet the SCAG's Intergovernmental Review criteria.

According to the City's General Plan Land Use Plan, the project alignment is located within areas designated Schools, Parks, Institutional, and Open Space. The City's General Plan is consistent with the SCAG Regional Comprehensive Plan Guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in Chapter 12 of the 1993 SCAQMD *CEQA Air Quality Handbook*, consistency with the Basin 2016 AQMP is affirmed when a project (1) does not increase the frequency or

severity of an air quality standards violation or cause a new violation and (2) is consistent with the growth assumptions in the AQMP. Consistency review is presented below:

1. The project would result in short-term construction pollutant emissions that are less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated above; therefore, the project would not result in an increase in the frequency or severity of any air quality standards violation and will not cause a new air quality standard violation.
2. The SCAQMD *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the proposed project is not defined as significant.

Based on the consistency analysis presented above, the proposed project is consistent with the City's General Plan and the regional AQMP.

Cumulative Impacts

The cumulative impacts analysis is based on projections in the regional AQMP. As described in the consistency analysis presented above, the proposed project is consistent with the growth assumptions in the City's General Plan and the regional AQMP. Further, the project would not increase the frequency or severity of an air quality standards violation or cause a new violation. Therefore, the proposed project would not result in a significant cumulative impact.

Construction Greenhouse Gas Emissions

Construction activities, such as site preparation, site grading, on-site heavy-duty construction vehicles, equipment hauling materials to and from the Project Site, and motor vehicles transporting the construction crew would produce combustion emissions from various sources. During construction of the proposed project, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically uses fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs. Furthermore, CH₄ is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

Construction GHG emissions associated with the proposed project were estimated using CalEEMod Version 2016.3.2. The CalEEMod modeling output attached to this memorandum provides modeling details. Table 6 lists the GHG emissions for each of the planned construction phases and shows that construction of the proposed Project would generate a total of approximately 95 metric tons (MT) of CO₂e. When amortized over the 30 year life of the project, annual emissions would be approximately 2 MT of CO₂e, which would not exceed annual emission thresholds recommended by the SCAQMD.

Table 6: Construction Greenhouse Gas Emissions

Construction Phase		Total Regional Pollutant Emissions (MT/yr)			
		CO ₂	CH ₄	N ₂ O	CO ₂ e
2019	Grading	7	<1	0	7
	Trail Preparation	81	<1	0	82
	Paving	7	<1	0	7
Total Construction Emissions		95	<1	0	95

Source: Compiled by LSA (July 2018).

CH₄ = methane

CO₂ = carbon dioxide

CO₂e = carbon dioxide equivalent

MT/yr = metric tons per year

N₂O = nitrous oxide

STANDARD CONDITIONS

Construction

The project is required to comply with regional rules that assist in reducing short-term air pollutant emissions. SCAQMD Rule 403 requires that fugitive dust be controlled with best-available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source (SCAQMD 2005). In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable dust suppression techniques from Rule 403 are summarized below. Implementation of these dust suppression techniques can reduce the fugitive dust generation (and thus, the PM₁₀ component). Compliance with these rules would reduce impacts on nearby sensitive receptors. As shown in Table 4, with the implementation of Rule 403 measures, dust emissions would be below SCAQMD thresholds.

The applicable Rule 403 measures are as follows:

- Apply nontoxic chemical soil stabilizers according to manufacturers’ specifications to all inactive construction areas (previously graded areas inactive for 10 days or more).
- Water active sites at least twice daily (locations, where grading is to occur, will be thoroughly watered prior to earthmoving).
- Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 2 ft (0.6 meter [m]) of freeboard (vertical space between the top of the load and the top of the trailer) in accordance with the requirements of California Vehicle Code Section 23114.
- Pave construction access roads at least 100 ft (30 m) onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.

These measures would result in reduced emissions during the construction phases of the proposed project.

CONCLUSION

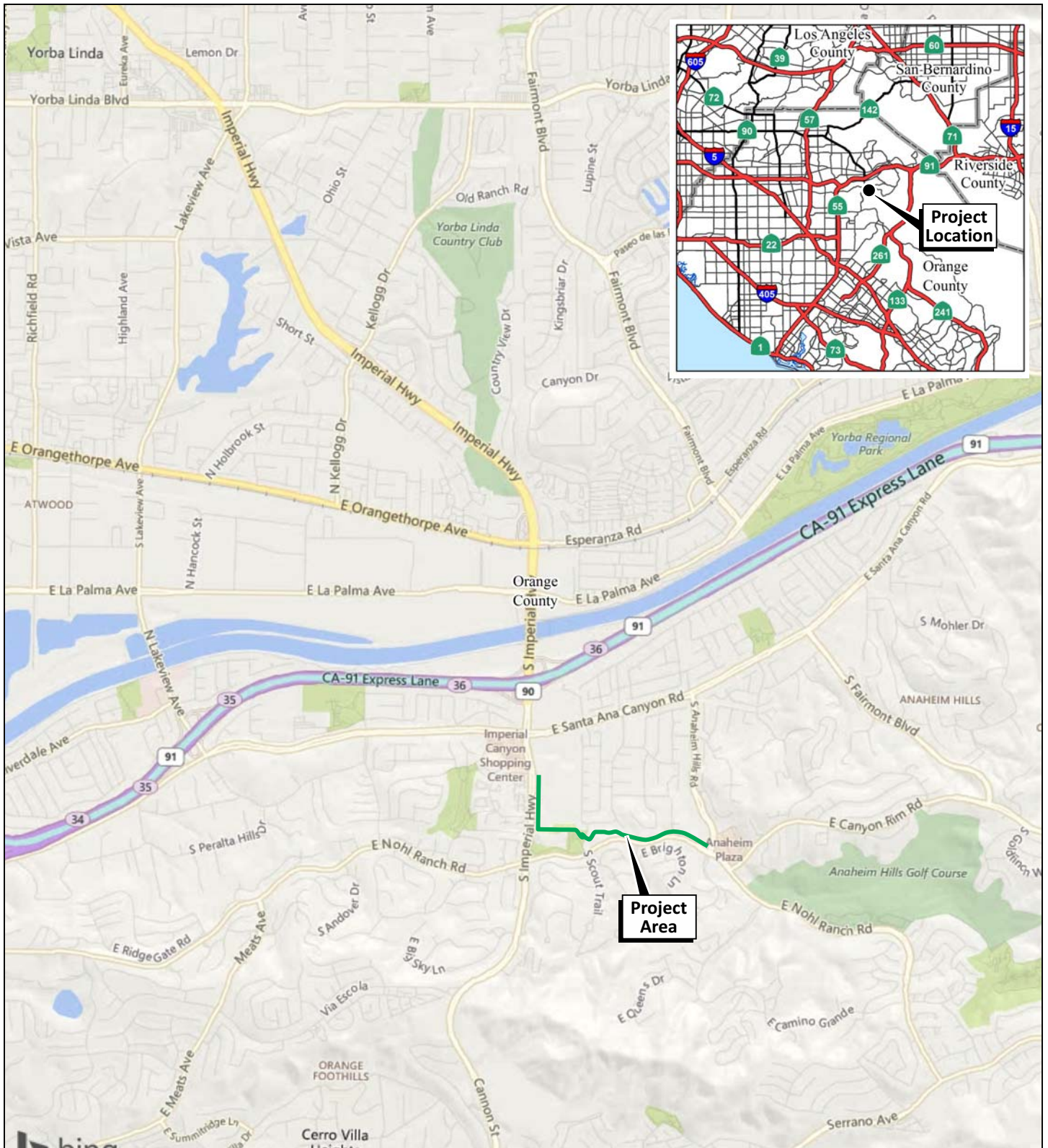
Based on the analysis presented above, construction of the proposed project with implementation of SCAQMD Rule 403 measures would not result in the generation of criteria air pollutants that would exceed SCAQMD thresholds of significance. The proposed project's construction emissions of criteria pollutants are estimated to all be below their respective emissions thresholds established for the region. The proposed project would not result in a cumulatively considerable contribution to regional air quality impacts. The proposed project is also not expected to produce significant emissions that would affect nearby sensitive receptors nor result in objectionable odors affecting a substantial number of people.

REFERENCES

- California Department of Conservation. CDOC) Asbestos. Website: http://www.conservation.ca.gov/cgs/minerals/hazardous_minerals/asbestos/Pages/index.aspx, accessed July 2018.
- California Department of Transportation (Caltrans). 2018. 23 USC 326 Categorical Exclusion Assignment. Website: <http://www.dot.ca.gov/env/nepa/categorical-exclusion.html>, accessed July 2018.
- South Coast Air Quality Management District (SCAQMD). 2016. Final 2016 AQMP. Website: <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf>, accessed July 2018.
- _____. 2010. Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group No. 15. September 28. Website: [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf) (accessed July 2018).
- _____. 2006. *Final – Methodology to Calculate Particulate Matter (PM)_{2.5} and PM_{2.5} Significance Thresholds*. October. Website: [http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-\(pm\)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf](http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf) (accessed July 2018).
- _____. 2005 (amended). Rule 403, Fugitive Dust. June 3. Website: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf> (accessed July 2018).
- _____. 2003 (revised July 2008). *Final Localized Significance Threshold Methodology*. June. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf> (accessed July 2018).

- _____. 1993. *CEQA Air Quality Handbook*. April. Website: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook> (accessed July 2018).
- _____. 1976. Rule 402, Fugitive Dust. June 3. Website: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf> (accessed July 2018).
- _____. Greenhouse Gases (GHG) CEQA Significance Thresholds. Website: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ghg-significance-thresholds/> (accessed July 2018).
- State of California. 2017. Highlights of the California Climate Change Program. Website: <http://www.climatechange.ca.gov/state/highlights.html>, accessed July 2018.

Attachments: Figures 1–2

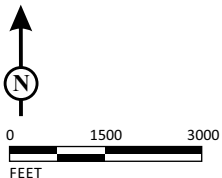


LSA

LEGEND

— - Proposed Alignment

FIGURE 1



SOURCE: Bing Maps

I:\GHD1702\G\Regional_Proj_Location.cdr (4/11/2018)

Nohl Ranch Open Space Trail
Regional and Project Location

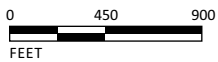


FIGURE 2

LSA

LEGEND

— - Proposed Alignment



SOURCE: Google Earth

Nohl Ranch Road Open Space Trail
Surrounding Land Uses

APPENDIX B
BIOLOGICAL RESOURCES MEMORANDUM

MEMORANDUM

DATE: May 24, 2018

TO: Romi Archer, LSA

FROM: Lonnie Rodriguez, LSA

SUBJECT: Biological Resource Technical Memorandum for the Nohl Ranch Open Space Trail Project, Anaheim, Orange County, California

The purpose of this Biological Resources Technical Memorandum is to describe and document potential impacts to biological resources—including sensitive and special-status species—associated with the implementation of the proposed Nohl Ranch Open Space Trail project (project). The project limits are from Imperial Highway on the east side of its intersection with Avenida Bernardo North to Anaheim Hills Road, an approximately 5,300-linear-foot segment. The alignment would run south along the east side of Imperial Highway for approximately 1,200 linear feet as a bikeway only. The trail (side-by-side bikeway and riding/hiking trail) then bends east and aligns north of Imperial Park and the Canyon Hills Library, and then closely parallels the north side of Nohl Ranch Road to its terminus at Anaheim Hills Road. This technical information is provided for project review under the California Environmental Quality Act (CEQA), the California Endangered Species Act (CESA), the Federal Endangered Species Act, and other pertinent regulations.

PROJECT DESCRIPTION

The project would include a 10-foot (ft) wide Class I bike path and pedestrian trail in compliance with California Department of Transportation (Caltrans) standards and City of Anaheim (City) trail standards. Ancillary features of the proposed project would include lighting, shared lane markers, signage, bicycle parking, benches, shade structures, and a pedestrian crossing signal at South Scout Trail.

PROJECT SETTING

The proposed project site is within the *Orange, California* 7.5-minute United States Geological Survey (USGS) topographic quadrangle map. The project site is composed of arterial transportation, utility right-of-way, rolling terrain, open space, ornamental trees, turf grass, and existing urban development (e.g., a library, schools). The project site consists of undeveloped land and City right-of-way in the eastern portion of Anaheim, south of State Route (SR) 91, in Orange County, California. The project site runs north of Nohl Ranch Road and would connect Imperial Highway with Anaheim Hills Road.

Based on available soil mapping,¹ the project site is underlain by Mocho loam (2 to 9 percent slopes), Yorba gravelly loam (2 to 9 percent slopes), Soper loam (30 to 50 percent slopes), Alo clay (15 to 30 percent slopes), Yorba gravelly sandy loam (9 to 15 percent slopes), San Emigdio fine sandy loam (2 to 9 percent slopes), and Sorrento loam (2 to 9 percent slopes) soils. The project site ranges from approximately 400 to 440 ft in elevation.

METHODS

Literature Review and Records Search

LSA Biologist Leeann McDougall conducted a literature review and records search on March 7, 2018, to identify the existence and potential for occurrence of sensitive or special-status plant and animal species in the project vicinity. She also examined federal and State lists of sensitive species. Current electronic database records reviewed included the following:

- **California Natural Diversity Database (CNDDDB) Information (RareFind 5):** The CNDDDB is administered by the California Department of Fish and Wildlife (CDFW). This database covers sensitive plant and animal species as well as sensitive natural communities that occur in California. Records from nine USGS quadrangles surrounding the project site were obtained from this database to assist with the field survey.
- **California Native Plant Society (CNPS) Electronic Inventory of Rare and Endangered Vascular Plants:** The CNPS' Inventory uses four specific categories, or "lists," of sensitive plant species to assist with the conservation of rare or endangered botanical resources. All of the plants constituting California Rare Plant Ranks 1A, 1B, 2A, and 2B are considered by the CNPS to meet the status definitions of "threatened" or "endangered" in CESA and the California Fish and Game Code. Impacts to these species may merit consideration as such, pursuant to CEQA Guidelines Sections 15125(c) and 15380. Plants in Rank 3 (limited information) or Rank 4 (limited records), or that are considered Locally Unusual and Significant, may be analyzed under CEQA if there is sufficient information to assess potential significant impacts. Records from the eight USGS quadrangles surrounding the project site were obtained from this database to assist with the field survey.
- **United States Fish and Wildlife Service (USFWS) Information for Planning and Conservation (IPaC) Online System:** IPaC lists all proposed, candidate, threatened, and endangered species managed by the USFWS Endangered Species Program that have the potential to occur on or near a particular site. This database also lists all known critical habitats, national wildlife refuges, jurisdictional wetlands, and migratory birds that could potentially be impacted by activities from a proposed project. LSA used an unofficial IPaC Trust Resource Report generated for the project site to assist with the field survey.

¹ United States Department of Agriculture Natural Resources Conservation Service. 2017. Web Soil Survey. Website: <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx> (last updated August 21, 2017; accessed March 13, 2018).

Field Survey

LSA Biologist Lonnie Rodriguez conducted a general biological survey of the project site on March 12, 2018. He surveyed the project site on foot and noted all biological resources observed. Suitable habitat for any species of interest or concern was duly noted, and general site conditions were photographed. The weather conditions were cloudy, calm, and 70° Fahrenheit.

RESOURCES EVALUATED

Vegetation

The following describes the vegetation and land cover types occurring within the project site using the Orange County Habitat Classification System (HCS) as articulated by Jones & Stokes Associates, Inc.¹ Asterisks (*) denote nonnative species.

- **Sagebrush (2.3.6 of the HCS):** Sagebrush scrub is dominated almost exclusively by *Artemisia californica*. Other species identified California buckwheat (*Erigonium fasciculatum*), coast prickly pear (*Opuntia littoralis*), and brittlebush (*Encelia farinosa*).
- **Ruderal (4.6 of the HCS):** Ruderal grassland (ruderal) consists of early successional grassland dominated by pioneering herbaceous plants that readily colonize disturbed ground. Species identified within this area include red brome (*Bromus madritensis*)*, ripgut grass (*Bromus diandrus*)*, black mustard (*Brassica nigra*)*, telegraph weed (*Heterotheca grandiflora*)*, and wild oat (*Avena fatua*)*.
- **Ornamental (15.5 of the HCS):** Ornamental landscaping (parks and ornamental plantings) consists of introduced trees, shrubs, flowers, and turf grass. Species identified as ornamental are *Eucalyptus* sp., *Pine* sp., *Acacia* sp., lantana (*Lantana camara*), Brazilian pepper tree (*Schinus terebinthifolius*), and Peruvian pepper tree (*Schinus molle*).
- **Urban and Commercial (15.1 of the HCS):** Urban and commercial include all building, pavement, and highway rights-of-way. This includes the housing communities, paved sidewalks, parking lots, and constructed buildings within the project.
- **Transportation (15.4 of the HCS):** Freeways and the arterial highway system are located within the project area.

Wildlife

Native wildlife habitat is largely absent on the project site and in the immediate vicinity. Furthermore, the lack of ground cover and suitable foraging habitat make the site undesirable for

¹ Jones & Stokes Associates, Inc. 1993. *Methods Used to Survey the Vegetation of Orange County Parks and Open Space Areas and The Irvine Company Property*. February 10. (JSA 92-032.) Sacramento. Prepared for the County of Orange, Environmental Management Agency, Environmental Planning Division, Santa Ana, California.

many local wildlife species. Wildlife species were observed during the field survey and included: monarch (*Danaus plexippus*), western fence lizard (*Sceloporus occidentalis*), common side-blotched lizard (*Uta stansburiana*), Anna's hummingbird (*Calypte anna*), Cooper's hawk (*Accipiter cooperii*), black phoebe (*Sayornis nigricans*), Northern harrier (*Circus hudsonius*), orange-crowned warbler (*Oreothlypis celata*), song sparrow (*Melospiza melodia*), lesser goldfinch (*Spinus psaltria*), Cassin's kingbird (*Tyrannus vociferans*), California towhee (*Melospiza crissalis*), Turkey vulture (*Cathartes aura*), barn swallow (*Hirundo rustica*), house finch (*Haemorhous mexicanus*), white-crowned sparrow (*Zonotrichia leucophrys*), bushtit (*Psaltriparus minimus*), yellow-rumped warbler (*Setophaga coronata*), western bluebird (*Sialia mexicana*), Bewick's wren (*Thryomanes bewickii*), Ruby-crowned kinglet (*Regulus calendula*), American crow (*Corvus brachyrhynchos*), Say's phoebe (*Sayornis saya*), mourning dove (*Zenaidura macroura*), Audubon's cottontail (*Sylvilagus audubonii*), and California ground squirrel (*Otospermophilus beecheyi*). Nonnative species observed included house sparrow (*Passer domesticus*), European starling (*Sturnus vulgaris*), and rock pigeon (*Columba livia*).

Special-Interest Species

Special-interest species are those plants or animals that (1) are federally and/or State-listed, (2) are currently proposed for listing, or (3) have some other special designation from a resource agency or a recognized conservation organization (e.g., CNPS). Attachment A contains tables that identify those special-interest plant and animal species known to occur or that may potentially occur in the project vicinity and includes detailed information about each species' habitat and distribution, activity period, State and federal status designations, and probability of occurrence. These species were compiled from the CNPS, CNDDDB, and IPaC records search from the nine USGS quadrangle maps surrounding the project site and from LSA's extensive knowledge and experience in the region.

Attachment A does not include the following 30 special-interest species identified during the records search that are not expected to occur on the site due to lack of appropriate habitat in the project vicinity or because the site is outside of their range: Crotch's bumble bee (*Bombus crotchii*), mimic tryonia (*Tryonia imitator*), western tidal-flat tiger beetle (*Cicindela gabbii*), sandy beach tiger beetle (*Cicindela hirticollis gravida*), western beach tiger beetle (*Cicindela latesignata latesignata*), senile tiger beetle (*Cicindela senilis frosti*), globose dune beetle (*Coelus globosus*), wandering skipper (*Panoquina errans*), arroyo chub (*Gila orcuttii*), green sea turtle (*Chelonia mydas*), golden eagle (*Aquila chrysaetos*), long-eared owl (*Asio otus*), yellow rail (*Coturnicops noveboracensis*), California horned lark (*Eremophila alpestris actia*), peregrine falcon (*Falco peregrinus anatum*), California black rail (*Laterallus jamaicensis coturniculus*), osprey (*Pandion haliaetus*), light-footed Ridgway's rail (*Rallus obsoletus levipes*), western snowy plover (*Charadrius alexandrinus nivosus*), California brown pelican (*Pelecanus occidentalis californicus*), black skimmer (*Rynchops niger*), and California least tern (*Sternula antillarum browni*).

No special-interest plant species were observed at the time of the survey. However, the Cooper's hawk, a CDFW Watch List species, was seen perched in a eucalyptus tree within the project area. LSA did not see any plant or animal species that are designated as threatened or endangered with a "moderate" or "high" probability of occurrence within the project site.

Wetlands and Potentially Jurisdictional Drainage Features

There are no records indicating that wetlands or jurisdictional drainage features exist on the project site. The site contains concrete v-ditch structures that were excavated on dry land and are used to convey ephemeral storm water runoff from the slopes to prevent erosion.

In addition, on the east side of Imperial Highway between Imperial Highway Elementary School and East Avenue Bernardo, a 10x10 ft area vegetated with broad-leaved cattail (*Typha latifolia*) and sedge (*Carex* sp.) was identified. This human-induced wetland is the result of a long-term irrigation leak from a nearby institution. According to Myung Choo, the Senior Engineer/Project Manager, the irrigation leak that resulted in the human-induced wetland was repaired by the institution in February 2018, and the area should not be considered a wetland.

IMPACT FINDINGS

Vegetation and Habitat Impacts

The project would not result in any impact to native habitats or sensitive natural communities. Permanent impacts to nonnative vegetation and ornamentally planted vegetation would occur with project implementation.

Consistency with Adopted Habitat Conservation Plan/Natural Community Conservation Plan

No portion of the project site is within a designated Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP) reserve area or other sensitive conservation area identified by State, regional, or local plans. Thus, project implementation would not conflict with any regional conservation plan.

Special-Interest Species

Given the developed and maintained condition of the project site, it is not expected that any substantial population of special-status plant species occurs within the site boundaries. As such, there are no special-status plant species with a moderate or high probability of occurrence, and future surveys for these plant species are not warranted.

Adequate habitat for most of the wildlife species listed in Attachment A is not present within the sparsely vegetated project site. However, bird species such as the Cooper's hawk that was seen can use the project area to forage and potentially nest. Project implementation is not expected to have a significant adverse effect on the Cooper's hawk or other special-interest wildlife species.

Wildlife Movement

An existing Orange County NCCP special linkage located approximately 0.5 mile south of and parallel to the Nohl Ranch Open Space Trail currently provides wildlife movement within the area. Wildlife species that currently use the Nohl Ranch open space are adapted to navigating through urban environments. The Nohl Ranch Open Space Trail project would not affect wildlife species; these species would continue to use the open space trail.

Jurisdictional Waters

The existing drainage features within the project area were reviewed using previous historical aeriels. The drainage features are all human-made features constructed on dry land for the purpose of conveying ephemeral storm water runoff from the slopes to prevent erosion. The 100-square-foot area vegetated with broad-leaved cattail and sedge that was identified was the result of an irrigation leak that has been corrected and should not be considered a wetland.

Scenic Corridor Overlay Zone

The project area is located within the City's Scenic Corridor (SC) Overlay Zone to promote orderly growth in certain areas of Anaheim designated as being distinctive or of scenic importance, while implementing local government agency actions for the protection, preservation, and enhancement of the unique and natural scenic assets of these areas as a valuable resource to the community.

Protected Trees

Significant stands and single specified trees within the SC Overlay Zone are considered "Specimen Trees." These species include eucalyptus varieties, oak (*Quercus* sp.) varieties, pepper (*Schinus*) varieties, and sycamore (*Platanus*) varieties with trunks measuring 8 inches or greater in diameter, measured at a point 4 ft above ground level (or, in the case of eucalyptus varieties, 20 inches or greater in diameter, measured at a point 4 ft above ground level).

Any trees that meet the conditions of a Specimen Tree require that an application for authority to destroy Specimen Trees be filed with the Planning Department for a Discretionary Specimen Tree Removal Permit.

Avoidance

Any vegetation removal should take place outside of the active nesting bird season (i.e., February 15–August 15), when feasible, to ensure compliance with the California Fish and Game Code. Should vegetation removal take place during this period, a qualified biologist should conduct a nesting bird survey prior to construction activities to ensure that birds are not engaged in active nesting within 100 ft of the project site. If nesting birds are discovered during preconstruction surveys, the biologist should identify an appropriate buffer (i.e., up to 500 ft depending on the circumstances and specific bird species) where no construction activities or other disturbances are allowed to occur until after the birds have fledged from the nest or the nest is no longer active.

Conclusion

The project would not result in any significant impacts to native habitats and project implementation is not likely to impact any special-interest species. Adverse impacts to special-interest species and/or habitats are therefore considered to be less than significant, and no mitigation measures or further analyses are necessary.

Attachment: A—Summary of Special-Interest Species

ATTACHMENT A

SUMMARY OF SPECIAL-INTEREST SPECIES

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	US: – CA: 1B	Sandy areas (generally flats and benches along washes) in chaparral and coastal sage scrub, and improbably in desert dunes or other sandy areas, below 1,600 m (5,300 ft) elevation. In California, reported from Riverside, San Diego, Imperial, Los Angeles, and Ventura counties. Believed extirpated from Orange County. Also reported from Arizona and Mexico (Baja California). Plants reported from desert communities are likely misidentified.	March–August (annual or perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Aphanisma blitoides</i>	aphanisma	US: – CA: 1B	Sandy or clay soils on slopes or bluffs near the ocean, usually in coastal bluff scrub, coastal dunes, or coastal scrub, below 305 m (1,000 ft) elevation. Known in California from Ventura, Santa Barbara, Los Angeles, Orange, and San Diego counties. Also occurs in Mexico.	March–June (annual herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Astragalus brauntonii</i>	Braunton’s milk-vetch	US: FE CA: 1B	Generally shallow calcium carbonate soils derived from marine substrates. Occasionally found downstream of known occurrences on noncarbonate soils where survivorship of plants may be reduced. Usually on sandstone with carbonate layers following fire, but may follow other disturbance and occur on stiff, gravelly clay soils over granite. Typically associated with the fire-dependent chaparral habitat on limestone and on downwash sites below 640 m (2,100 ft) elevation. Known only from Los Angeles, Orange, Riverside, and Ventura counties.	January–August (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitat is absent.
<i>Atriplex coulteri</i>	Coulter’s saltbush	US: – CA: 1B	Perennial herb. Occurs in coastal bluff scrub, coastal dunes, coastal scrub, and valley and foothill grasslands, usually on ocean bluffs and ridge tops in alkaline or clay soils. From 3 to 460 m (10 to 1,510 ft) in elevation.	March–October	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Atriplex pacifica</i>	South Coast saltscale	US: – CA: 1B	Annual herb. Alkali soils in coastal sage scrub, playas, coastal bluff scrub, coastal dunes, and chenopod scrub below 183 m (600 ft) in elevation.	March–October	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Atriplex parishii</i>	Parish’s brittle scale	US: – CA: 1B	Annual herb. Alkali soils in meadows, vernal pools, chenopod scrub, and playas. Usually on drying alkali flats with fine soils.	June–October	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson’s saltscale	US: – CA: 1B	Annual herb. Alkaline soils in scrub and herbaceous communities from 9 to 457 m (30 to 1,500 ft) in elevation	April–October	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Baccharis malibuensis</i>	Malibu baccharis	US: – CA: 1B	Deciduous shrub of conejo volcanic substrates (often on exposed road cuts), in coastal scrub, chaparral, or cismontane woodland, at 150 to 260 m (490 to 850 ft) elevation. Known only from near Malibu Lake in the Santa Monica Mountains in Los Angeles County and from Fremont Canyon in the Santa Ana Mountains in Orange County.	Blooms in August	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	US: FT CA: CE	Uncommon and patchy in native grasslands and on heavy clay soils. Also found in chaparral, cismontane woodland, coastal scrub, playas, valley and foothill grassland, and vernal pools. Known to occur in Orange, Los Angeles, Riverside, San Bernardino, and San Diego counties.	March–June (perennial bulbiferous herb))	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Calochortus plummerae</i>	Plummer’s mariposa-lily	US: - CA: -	Perennial bulbiferous herb found in granitic and rocky habitats. Other vegetation communities where it can be found include, chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and valley and foothill grassland. Known to occur in Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties.	May–July (perennial bulbiferous herb)	A	Not Expected. Prior extensive impacts to project area and suitable habitat.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa lily	US: – CA: 1B	Dry, open rocky slopes and rock outcrops in chaparral, coastal sage scrub, and grassland, at 105 to 855 m (340 to 2,800 ft) elevation. Known only from Los Angeles, Orange, Riverside, and San Bernardino counties. In the western Riverside County area, this species is known from the hills and valleys west of Lake Skinner and Vail Lake (<i>The Vascular Plants of Western Riverside County, California</i> , F.M. Roberts et al., 2004). Appears to intergrade with <i>Calochortus plummerae</i> , which is mostly east and north of the Santa Ana Mountains.	May–July (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Calystegia felix</i>	lucky morning- glory	US: – CA: 1B	Wetland and marshy areas, sometimes alkaline, sometimes artificially watered, from 30 to 215 m (100 to 700 ft) elevation. All known extant occurrences are associated with well-watered landscaping on recently completed industrial, commercial, and residential developments in Chino within a historical area of artesian springs. Older collections are from areas that are now heavily urbanized (including one from South Los Angeles and another from Pico Rivera in Los Angeles County). Known to occur only in western San Bernardino County. Presumed extirpated from Riverside and Los Angeles counties.	March– September (annual or perennial rhizomatous herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	US: – CA: 1B	Annual herb. In vernal wet areas, such as edges of marshes and vernal pools, at edges of roads and trails, and in other areas of compacted, poorly drained, or alkaline soils where competition from other plants is limited, often due to disturbance, below 427 m (1,400 ft) in elevation.	May–November	P	Low probability. Marginally suitable habitat is present and there are known occurrences within 2 mi of the BSA.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	US: – CA: 1B	Annual herb found in soil depressions, streambeds, grassland, and disturbed sites in warm to hot, sunny inland areas. Known to occur in Los Angeles, Riverside, San Bernardino, and San Diego counties.	April–September	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	US: FE CA: SE/1B	Annual herb. Coastal dunes and salt marshes.	May–October	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Chorizanthe parryi</i> var. <i>fernandina</i>	San Fernando Valley spineflower	US: FE CA: SE/1B	Shallow depressions or shallow, compacted, low-nutrient (e.g., sandy), or disturbed soils (e.g., dirt roads or around rodent burrows) in grassland or coastal scrub where competition from shrubs and exotic grasses is limited, primarily in northeastern Western Transverse Ranges and San Gabriel Mountains below 1,220 m (3,330 ft) elevation. Known only from Los Angeles and Ventura counties. Presumed extirpated from Orange County and the Los Angeles Basin.	April–July (annual herb)	P	Not expected. Marginally suitable habitats are present; however, there are no known occurrences within the vicinity of the BSA.
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower	US: – CA: 1B	Generally clay soils in chaparral, coastal sage scrub, and grassland at 30 to 1,530 m (100 to 5,000 ft) elevation. In California, known only from Orange, Riverside, Santa Barbara, and San Diego counties. Also occurs in Mexico.	April–July (annual herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	US: FE CA: SE/1B	In the Vail Lake area, occurs in gravel soils of Temecula arkose deposits in openings in chamise chaparral. In other areas, occurs in sandy cobbly riverbed alluvium in alluvial fan sage scrub (usually late seral stage), and on floodplain terraces and benches that receive infrequent overbank deposits from generally large washes or rivers. Most often found in shallow, silty depressions dominated by leather spineflower (<i>Lastarriaea coriacea</i>) and other native annual species. Often associated with cryptogamic soil crusts composed of bryophytes, algae, and/or lichens. Occurs at 200 to 760 m (600 to 2,500 ft) elevation. Known only from Los Angeles, Riverside, and San Bernardino counties, California.	April–June (annual herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Dudleya multicaulis</i>	many-stemmed dudleya	US: – CA: 1B	Heavy, often clay soils or around granitic outcrops in chaparral, coastal sage scrub, and grassland below 790 m (2,600 ft) elevation. Known only from Los Angeles, Orange, Riverside, San Bernardino, and San Diego counties.	April–July (perennial herb)	HP	Low. Prior extensive impacts to project area and marginally suitable habitats are present; however, there are multiple known occurrences within 3 mi of the BSA.
<i>Dudleya stolonifera</i>	Laguna Beach dudleya	US: FT CA: ST/1B	Rocky areas (generally north-facing sandstone cliffs) at 10 to 260 m (30 to 850 ft) elevation. Known only from Orange County, near Laguna Beach, with most occurrences in Laguna Canyon west of SR-73.	May–July (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	US: FE CA: SE/1B	Riversidean alluvial fan sage scrub and chaparral in sandy or gravelly soils of floodplains and terraced fluvial deposits of the Santa Ana River and larger tributaries (Lytle and Cajon Creeks, and lower portions of City and Mill Creeks) at 90 to 625 m (300 to 2,100 ft) elevation in San Bernardino and Riverside counties.	May–September	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	US: FE CA: SE/1B	Vernal pools and similar mesic habitats in coastal scrub and grassland at 15 to 620 m (50 to 2,000 ft) elevation. In California, known only from Riverside and San Diego counties. In Riverside County, this species is known only from the Santa Rosa Plateau. Also occurs in Mexico.	April–June (annual or perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	US: – CA: 1A	Marshes and swamps (coastal salt and freshwater) at 10 to 500 m (30 to 1,600 ft) elevation. This species is historically known from Los Angeles, Orange and San Bernardino counties. Last seen in 1937. Presumed extinct. Plants found in 2002 at Castaic Spring along the Santa Clara River in Los Angeles County were initially reported as possibly this taxon, but instead appear to be hybrids or evolutionary intermediates between <i>H. nuttallii</i> and <i>H. californicus</i> , based on chromosome counts and pollen morphology (<i>A Quantitative Analysis of</i>	August–October (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
			<i>Pollen Variation in Two Southern California Perennial Helianthus (Heliantheae: Asteraceae)</i> , J.M. Porter and N. Fraga, 2004).			
<i>Hesperocyparis (Callitropsis, Cupressus) forbesii</i>	Tecate cypress	US: – CA: 1B	Evergreen tree found in closed-cone coniferous forest and chaparral at elevations from 255 to 1,500 m (800 to 5,000 ft). In California, known from Orange and San Diego counties. Trees known from Riverside County are planted. Also occurs in Mexico.	Year-round (evergreen tree)	A	Absent. This perennial tree was not observed within the BSA.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	US: – CA: 1B	Perennial herb. Sandy or gravelly soils in chaparral, or rarely in cismontane woodland or coastal scrub, at 61 to 823 m (200 to 2,700 ft) elevation.	February–July (sometimes to September)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	US: - CA: 1B	Perennial shrub. Can be found in chaparral and coastal scrub (sandy, often disturbed areas. Can be found in Los Angeles, Orange, San Diego, and Ventura counties, as well as on San Clemente Island and Santa Catalina Island.	April–November	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter’s goldfields	US: – CA: 1B	Annual herb. Vernal pools and alkaline soils in marshes, playas, and similar habitats below 4,000 ft in elevation.	February–June	A	Not expected. Prior extensive impacts to project area and, suitable habitats are absent.
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	US: – CA: 1B	Closed-cone coniferous forest, chaparral, and cismontane woodland at 550 to 1,370 m (1,800 to 4,500 ft) elevation. Occurs in the Santa Ana Mountains in Riverside and Orange counties. Also reported from San Diego County and Baja California.	April–July (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson’s pepper-grass	US: - CA: -	Annual herb that occurs in chaparral and coastal scrub. Known from Los Angeles, Orange, Riverside, Santa Barbara, San Bernardino, San Diego, and Ventura counties, as well as Santa Cruz Island.	January–July	A	Not expected. Prior extensive impacts to project area and suitable habitat.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Monardella australis</i> <i>ssp. jakerstii</i>	Jokerst's monardella	US: – CA: 1B	Steep scree or talus slopes between breccia and secondary alluvial benches along drainages and washes, in lower montane coniferous forest and chaparral at 1,350 to 1,750 m (4,430 to 5,740 ft) elevation. Known only from the San Gabriel Mountains of San Bernardino County.	July–September (perennial rhizomatous herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Monardella hypoleuca</i> ssp. <i>intermedia</i>	intermediate monardella	US: – CA: 1B	Usually understory, often found in steep, brushy areas in chaparral, cismontane woodland, and sometimes lower montane coniferous forests from 200 to 1,250 m (660 to 4,100 ft) elevation. Endemic to California, but only known from Orange, Riverside, and San Diego counties.	April–September (perennial rhizomatous herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Nama stenocarpa</i>	mud nama	US: – CA: 2B	Annual to perennial herb. Occurs in marshes and swamps and along lake margins and riverbanks. From 5 to 500 m (15 to 1,640 ft) in elevation.	January–July	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Nasturtium</i> <i>(Rorippa) gambelii</i>	Gambel's watercress	US: FE CA: ST/1B	Marshes from 5 to 330 m (20 to 1,100 ft) elevation. Currently believed to occur in California only in Santa Barbara and San Luis Obispo counties. There are historical records from Los Angeles, Orange, and San Bernardino counties. A historical report from San Diego County likely constitutes a misidentification. Also occurs in Baja California.	April–September	A	Not expected. Prior extensive impacts to project area and suitable habitat is absent.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	US: – CA: 1B	Annual herb. Vernal pools, usually alkaline, from 15 to 50 to 1,220 m (4,000 ft) in elevation.	April–July	A	Not expected. Prior extensive impacts to project area and suitable habitat is absent.
<i>Nemacaulis denudata</i> var. <i>denudate</i>	coast woolly-heads	US: – CA: 1B	Annual herb. Sandy places, such as coastal dunes, below 91 m (300 ft) in elevation.	April–September	A	Not expected. Prior extensive impacts to project area and suitable habitat is absent.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Nolina cismontana</i>	chaparral nolina	US: – CA: 1B	Sandstone or gabbro in chaparral and coastal sage scrub at 140 to 1,275 m (500 to 4,200 ft) elevation. Known from Orange, Riverside, San Diego, and Ventura counties.	May–July (perennial shrub)	A	Absent. This perennial shrub was not observed within the BSA.
<i>Orcuttia californica</i>	California orcutt grass	US: FE CA: SE/1B	Vernal pools from 15 to 660 m (50 to 2,200 ft) elevation. In California, known from Los Angeles, Ventura, Riverside, and San Diego counties. Also occurs in Mexico.	April–August	A	Not expected. Prior extensive impacts to project area and suitable habitat is absent.
<i>Penstemon californicus</i>	California beardtongue	US: – CA: 1B	Sandy or granitic soils on stony slopes and shrubby openings in chaparral, lower montane coniferous forest, and pinyon-juniper woodlands at 1,160 to 2,320 m (3,800 to 7,600 ft) elevation. Known in California only from Riverside County.	May–August (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Pentachaeta aurea</i> <i>ssp. allenii</i>	Allen’s pentachaeta	US: – CA: 1B	Grasslands and openings in coastal scrub from 75 to 520 m (250 to 1,700 ft) elevation. Known only from Orange County, California.	March–June (annual herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	US: – CA: 2B	Sand and gravel at the edges of washes or mouths of steep canyons at 0 to 2,100 m (0 to 7,000 ft) elevation. In California, known from Los Angeles, Orange, Riverside, Santa Barbara, San Diego, San Luis Obispo, and Ventura counties. Also occurs in Arizona, New Mexico, Texas, and Mexico.	August– November (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitat is absent.
<i>Sagittaria sanfordii</i>	Sanford’s arrowhead	US: – CA: 1B	Marshes and swamps below 650 m (2,100 ft) elevation. Occurs in standing or slow-moving fresh water (ponds, marshes, and ditches). Known only from Butte, Del Norte, El Dorado, Fresno, Merced, Mariposa, Placer, Sacramento, Shasta, San Joaquin, and Tehama counties. Believed extirpated from southern California.	May–October (perennial emergent herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.

Table A-1: Special-Interest Plant Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/ Absent	Rationale
<i>Senecio aphanactis</i>	chaparral ragwort	US: – CA: 2B	Openings (especially alkaline flats) in cismontane woodland, coastal sage scrub, and chaparral at 15 to 800 m (50 to 2,600 ft) elevation. Known in California from Alameda, Contra Costa, Fresno, Los Angeles, Merced, Monterey, Orange, Riverside, Santa Barbara, Santa Clara, San Diego, San Luis Obispo, Solano, and Ventura counties. Also occurs in Baja California.	January–April (annual herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Sidalcea neomexicana</i>	Salt Spring checkerbloom	US: – CA: 2B	Alkaline springs and brackish marshes below 1,530 m (5,000 ft) elevation. In California, known only from Kern, Orange, Riverside, San Bernardino, San Diego, and Ventura counties. Believed extirpated from Los Angeles County. Also known from Arizona, New Mexico, Nevada, Utah, and Mexico.	March–June (perennial herb)	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Suaeda esteroa</i>	estuary seablite	US: – CA: 1B	Perennial herb. Coastal salt marshes below 5 m (15 ft) in elevation. Occurs along immediate coast from Santa Barbara County to Baja California.	May–October (January)	A	Not expected. Prior extensive impacts to project area and suitable habitat is absent.
<i>Symphotrichum defoliatum</i>	San Bernardino aster	US: – CA: 1B	Perennial herb. Vernal wet sites (e.g., ditches, streams, and springs) in many plant communities below 2,042 m (6,700 ft) in elevation.	July–November	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.

1A = Plants presumed extirpated in California and either rare or extinct elsewhere.

1B = Rare, threatened, or endangered in California and elsewhere.

2B = Plants rare, threatened, or endangered in California but more common elsewhere

3 = Plants about which more information is needed—a review list

4 = Plants of limited distribution—a watch list.

A = Absent; no habitat present and no further work needed.

CNPS = California Native Plant Society

ft = foot/feet

m = meter/meters

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
Invertebrates						
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	US: FE CA: –	Small, shallow (usually less than 30 centimeters deep), relatively clear but unpredictable vernal pools on coastal terraces. Pools must retain water for a minimum of 13 days for this species to reproduce (3 to 8 days for hatching, and 10 to 20 days to reach reproductive maturity). Known from Orange and San Diego counties, and Baja California.	Seasonally following rains in late fall, winter, and spring	A	Not expected. Suitable habitat is absent.
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	US: FE CA: –	Warm-water vernal pools (i.e., large, deep pools that retain water into the warm season) with low to moderate dissolved solids, in annual grassland areas interspersed through chaparral or coastal sage scrub vegetation. Suitable habitat includes some artificially created or enhanced pools, such as some stock ponds, that have vernal pool like hydrology and vegetation. Known from areas within about 50 mi of the coast from Ventura County south to San Diego County and Baja California.	Seasonally following rains; typically January–April	A	Not expected. Suitable habitat is absent.
Fish						
<i>Catostomus santaanae</i>	Santa Ana sucker	US: FE CA: –	The Santa Ana sucker's historical range includes the Los Angeles, San Gabriel, and Santa Ana River drainage systems in southern California. An introduced population also occurs in the Santa Clara River drainage system in southern California. Found in shallow, cool, running water.	Year-round	A	Not expected. Suitable habitat is absent.
<i>Rhinichthys osculus</i> ssp. 3	Santa Ana speckled dace	US: – CA: SSC	Found in the headwaters of the Santa Ana and San Gabriel River drainages. Found in riffles in small streams and shore areas with abundant gravel and rock.	Year-round	A	Not expected. Suitable habitat is absent.
Amphibians						
<i>Anaxyrus (Bufo) californicus</i>	arroyo toad	US: FE CA: SSC	Washes and arroyos with open water; sand or gravel beds; for breeding, pools with sparse overstory vegetation. Coastal and a few desert streams from Santa Barbara County to Baja California.	March–July	A	Not expected. Suitable habitat is absent.

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
<i>Lithobates pipeans</i>	northern leopard frog	US: – CA: SSC	Aquatic habitats with permanent or semi-permanent water, submerged and emergent aquatic vegetation, and shoreline cover. Native range is east of the Sierra Nevada/Cascade crest. Not native to southern California.	–	A	Not expected. Suitable habitat is absent.
<i>Spea hammondi</i>	western spadefoot	US: – CA: SSC	Grasslands and occasionally hardwood woodlands; largely terrestrial but requires rain pools or other ponded water persisting at least 3 weeks for breeding; burrows in loose soils during dry season. Occurs in the Central Valley and adjacent foothills, the nondesert areas of southern California, and Baja California.	October–April (following onset of winter rains)	A	Not expected. Prior extensive impacts to project area and suitable habitat.
<i>Taricha torosa</i>	Coast Range newt	US: – CA: SSC	Breeds in ponds, reservoirs, and slow-moving streams with long-lasting (at least through July), clean water; uses nearby upland areas, including grassland, chaparral, and woodland; coastal drainages from Mendocino County south to San Diego County, with populations from San Luis Obispo County south designated as sensitive.	October–May	A	Not expected. Suitable habitat is absent.
Reptiles						
<i>Arizona elegans occidentalis</i>	California glossy snake	US: – CA: SSC	Inhabits arid scrub, rocky washes, grasslands, and chaparral.	July–October; nocturnal	A	Not expected. Suitable habitat is absent.
<i>Aspidoscelis tigris stejnegeri</i>	coastal western whiptail	US: – CA: SSC	Wide variety of habitats including coastal sage scrub, sparse grassland, and riparian woodland; coastal and inland valleys and foothills; Ventura County to Baja California.	April–August	A	Not expected. Prior extensive impacts to project area and suitable habitats are absent.
<i>Crotalus ruber</i>	red diamond rattlesnake	US: – CA: SSC	Desert scrub, thornscrub, open chaparral and woodland; occasional in grassland and cultivated areas. Prefers rocky areas and dense vegetation. Morongo Valley in San Bernardino and Riverside Counties to the west and south into Mexico.	Mid-spring through mid-fall	A	Not expected. Suitable habitats are absent.

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
<i>Emys marmorata</i>	western pond turtle	US: – CA: SSC	Inhabits permanent or nearly permanent water. Absent from desert regions, except in the Mojave Desert along the Mojave River and its tributaries. Requires basking sites such as partially submerged logs, rocks, or open mud banks.	Year-round, with reduced activity November–March	A	Not expected. Suitable habitat is absent.
<i>Phrynosoma blainvillii</i>	coast horned lizard	US: – CA: SSC	Primarily in sandy soil in open areas, especially washes and floodplains, in many plant communities. Requires open areas for sunning, bushes for cover, patches of loose soil for burial, and an abundant supply of ants or other insects. Occurs west of the deserts from northern Baja California north to Shasta County, below 2,438 m (8,000 ft) in elevation.	May–September	A	Not expected. Suitable habitat is absent.
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake	US: – CA: SSC	Coastal chaparral, washes, sandy flats, and rocky areas. Widely distributed throughout lowlands (up to 2,130 m [7,000 ft] elevation) of southern California from the coast to the eastern border.	Active diurnally throughout most of the year	A	Not expected. Suitable habitats are absent.
<i>Thamnophis hammondi</i>	two-striped gartersnake	US: – CA: SSC	Highly aquatic; occurs only in or near permanent sources of water. Streams with rocky beds supporting willows or other riparian vegetation. From Monterey County to northwest Baja California.	Year-round; diurnal	A	Not expected. Suitable habitat is absent.
Birds						
<i>Agelaius tricolor</i> (nesting colony)	tricolored blackbird	US: – CA: SCE/SSC (breeding)	Open country. Forages in grassland and cropland habitats. Nests in large groups near fresh water, preferably in emergent wetland with tall, dense cattails or tules, but also in thickets of willow, blackberry, wild rose, or tall herbs. Seeks cover for roosting in emergent wetland vegetation, especially cattails and tules, and also in trees and shrubs. Occurs in western Oregon, California, and northwestern Baja California.	Year-round	A	Not expected. Suitable habitat is absent.

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
<i>Accipitor cooperii</i>	Cooper's hawk	US: – CA: WL	Fairly common to uncommon in open woodland over most of its breeding range, which covers most of the United States and southern Canada, except for South Florida and much of the northern Great Plains. Northern birds are migratory, moving as far south as Mexico and South Florida. In the West, they occur at lower elevations than <i>Accipiter</i> species and are fairly common in riparian areas.	Year-round	P	Present. Suitable habitat is present.
<i>Ammodramus savannarum</i> (nesting)	grasshopper sparrow	US: – CA: SSC (breeding)	Grasslands, agricultural fields, prairie, old fields, and open savanna. Uncommon and very local summer resident on grassy slopes and mesas west of the deserts. Only rarely in migration and in winter. Coastal southern California.	March–September; also in winter along the southern California coast	A	Not expected. Suitable habitats are absent.
<i>Ardea herodias</i>	great blue heron	US: - CA: S	Breeds by fresh or salt water. Nests usually built in tall trees or sometimes in bushes, on ledges of cliffs or rock outcrops, or on the ground in tule beds or elsewhere. Common throughout North America	November–August	HP	Low. Suitable nesting habitat is present, but nests were not observed during the survey.
<i>Asio otus</i> (nesting)	long-eared owl	US: – CA: SSC (breeding)	Scarce and local in forests and woodlands throughout much of the Northern Hemisphere. Rare resident in coastal southern California. Nests and roosts in dense willow-riparian woodland and oak woodland, but forages over wider areas. Breeds from valley foothill hardwood up to ponderosa pine habitat.	Year-round; nocturnal	A	Not expected. Nesting habitats are absent.
<i>Athene cunicularia</i>	burrowing owl	US: – CA: SSC	Open country in much of North and South America.	September–April	HP	Low. Marginal habitat is present.
<i>Buteo swainsoni</i> (nesting)	Swainson's hawk	US: – CA: ST	Open desert, grassland, or cropland containing scattered, large trees or small groves. Breeds in stands with few trees in juniper-sage flats, riparian areas, and oak savannah in the Central Valley. Forages in adjacent grasslands, suitable grain or alfalfa fields, or livestock pastures. Breeds and nests in western North America; winters in South America. Uncommon breeding resident and migrant in the Central Valley, Klamath Basin, Northeastern Plateau,	Spring and fall (in migration)	P	Low. Suitable nesting habitat is present.

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
			Lassen County, and Mojave Desert. Very limited breeding reported from Lanfair Valley, Owens Valley, Fish Lake Valley, and Antelope Valley. In southern California, now mostly limited to spring and fall transient. Formerly abundant in California with wider breeding range.			
<i>Campylorhynchus brunneicapillus sandiegensis</i>	coastal cactus wren	US: – CA: SSC	Inhabits coastal sage scrub, nesting almost exclusively in thickets of cholla (<i>Opuntia prolifera</i>) and prickly pear (<i>Opuntia littoralis</i> and <i>Opuntia oricola</i>), typically below 150 m (500 ft) elevation. Found in coastal areas of Orange and San Diego counties, and extreme northwestern Baja California, Mexico.	Year-round (nonmigratory)	HP	Low. Marginal habitat is present.
<i>Coccyzus americanus occidentalis</i> (nesting)	western yellow-billed cuckoo	US: FT CA: SE	Breeds and nests in extensive stands of dense cottonwood/willow riparian forest along broad, lower flood bottoms of larger river systems at scattered locales in western North America; winters in South America.	June–September	A	Not expected. Suitable habitat is absent.
<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	US: FE CA: SE	Rare and local breeder in extensive riparian areas of dense willows or (rarely) tamarisk, usually with standing water, in the southwestern United States and possibly extreme northwestern Mexico. Winters in Central and South America. Occurs below 1,828 m (6,000 ft) elevation.	May–September	A	Not expected. Suitable habitat is absent.
<i>Haliaeetus leucocephalus</i> (nesting and wintering)	bald eagle	US: – CA: SE/CFP	Winters locally at deep lakes and reservoirs, feeding on fish and waterfowl. Locally rare throughout North America.	November–February	A	Not expected. Suitable habitat is absent.
<i>Icteria virens</i> (nesting)	yellow-breasted chat	US: – CA: SSC (breeding)	Riparian thickets of willow and brushy tangles near watercourses. Nests in riparian woodland throughout much of western North America. Winters in Central America.	April–September	A	Not expected. Suitable habitat is absent.
<i>Passerculus sandwichensis beldingi</i>	Belding’s savannah sparrow	US: – CA: SE	Resident in salt marshes, with rare exception (e.g., Islas Todos Santos, Baja California) of Pacific Coast from Santa Barbara County to Baja California.	–	A	Not expected. Suitable habitat is absent.

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
<i>Polioptila californica californica</i>	coastal California gnatcatcher	US: FT CA: SSC	Inhabits coastal sage scrub in low-lying foothills and valleys up to about 500 m (1,640 ft) in elevation in cismontane southwestern California and Baja California.	Year-round	HP	Low. Habitat is less than marginal.
<i>Riparia riparia</i> (nesting)	bank swallow	US: – CA: ST	Nesting habitat is vertical banks of fine-textured soils, most commonly along streams and rivers. Nesting population extirpated from southern California.	March–October nesting April–June	A	Not expected. Suitable nesting habitat is absent.
<i>Setophagia petechia</i> (nesting)	yellow warbler	US: – CA: SSC (breeding)	Riparian woodland while nesting in the western United States and northwestern Baja California; more widespread in brushy areas and woodlands during migration. Occurs from western Mexico to northern South America in winter. Migrants are widespread and common. Three subspecies breed in California: <i>morcomi</i> , <i>brewsteri</i> , and <i>sonorana</i> . (Sonoran yellow warbler nests along the Colorado River.)	Summer, winter, or year-round, depending on locale	A	Not expected. Suitable nesting habitat is absent.
<i>Vireo bellii pusillus</i>	least Bell's vireo	US: FE CA: SE	Riparian forests and willow thickets. The most critical structural component of least Bell's vireo habitat in California is a dense shrub layer 0.6–3.0 m (2–10 ft) above ground. Nests from central California to northern Baja California. Winters in southern Baja California.	April–September	A	Not expected. Suitable habitats are absent.
Mammals						
<i>Antrozous pallidus</i>	pallid bat	US: – CA: SSC	Most common in open, dry habitats with rocky areas for roosting. Day roosts in caves, crevices, rocky outcrops, tree hollows or crevices, mines, and occasionally buildings, culverts, and bridges. Night roosts may be more open sites, such as porches and open buildings. Grasslands, shrublands, woodlands, and forest in western North America.	Year-round; nocturnal	HP	Not expected. Suitable foraging habitats are present; however, this species is not expected to roost within the BSA.

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	US: – CA: SSC	Found in sandy herbaceous areas, usually associated with rocks or coarse gravel in coastal scrub, chaparral, grasslands, and sagebrush, from Los Angeles County through southwestern San Bernardino, western Riverside, and San Diego counties to northern Baja California.	Year-round	A	Not expected. Suitable habitats are absent.
<i>Eumops perotis californicus</i>	western mastiff bat	US: – CA: SSC	Ranged historically throughout much of the southwestern United States and northwestern Mexico. In California, most records are from rocky areas at low elevations. Occurs in many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc.; roosts in crevices in vertical cliff faces, high buildings, trees, and tunnels throughout southwestern California. May roost in tall bridges.	Year-round; nocturnal	HP	Low. Suitable foraging habitats are present; however, this species is not expected to roost within the BSA.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	US: – CA: SSC	Frequents poorly vegetated arid lands and is especially associated with cactus patches. Occurs along the Pacific Slope from about San Luis Obispo County to northwest Baja California.	Year-round; nocturnal	HP	Low. Marginal habitat is present.
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	US: – CA: SSC	Usually associated with cliffs, rock outcrops, or slopes. May roost in buildings (including roof tiles) or caves. Rare in California, where it is found in Riverside, San Diego, Imperial, and possibly Los Angeles counties. More common in Mexico.	Year-round; nocturnal	A	Not expected. Suitable habitat is absent.
<i>Nyctinomops macrotis</i>	big free-tailed bat	US: – CA: SCC	Variety of habitats, including herbaceous and desert scrub areas, early stages of open forest, and chaparral. Most common in relatively open habitats. Restricted to the cismontane areas of southern California, extending from the coast to the Santa Monica, San Gabriel, San Bernardino, and Santa Rosa Mountain ranges.	Year-round; nocturnal	HP	Low. Suitable foraging habitat is present; however, this species is not expected to roost within the BSA.

Table A-2: Special-Interest Animal Species Identified as Potentially Occurring or Known to Occur in the Project Vicinity

Scientific Name	Common Name	Status	General Habitat Description	Activity Period	Habitat Present/Absent	Rationale
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	US: – CA: SSC	Believed to inhabit sandy or gravelly valley floor habitats with friable soils in open and semi-open scrub, including coastal sage scrub, mixed chaparral, low sagebrush, riparian scrub, and annual grassland with scattered shrubs, preferring low to moderate shrub cover. More susceptible to small- and large-scale habitat loss and fragmentation than most other rodents due to its low fecundity, low population density, and large home range size. Arid portions of southwestern California and northwestern Baja California.	Year-round; nocturnal	A	Not expected. Suitable habitat is absent.
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	US: FE CA: SSC	Historically occupied open habitats on sandy soils along the coast from Los Angeles to the Mexican border.	April–September	A	Not expected. Suitable habitat is absent.
<i>Sorex ornatus salicornicus</i>	Southern California saltmarsh shrew	US: – CA: SSC	Coastal marshes with dense vegetation and woody debris for cover. Known only from Los Angeles, Ventura, and Orange counties.	Year-round; mostly nocturnal	A	Not expected. Suitable habitat is absent.
<i>Taxidea taxus</i>	American badger	US: – CA: SSC	Primary habitat requirements appear to be sufficient food and friable soils in relatively open uncultivated ground in grasslands, woodlands, and desert. Widely distributed in North America.	Year-round	HP	Not expected. Prior extensive impacts to project area and no known occurrences within vicinity of the BSA.

BSA = Biological Study Area
CFP = State Fully Protected
FE = Federal Endangered
ft = foot/feet
FD = Federally Delisted
FT = Federal Threatened
HP = Habitat Present
m = meter/meters

MHP = Marginal habitat present; habitat is of low value, and there is low potential for species occurrence.
mi = mile/miles
SE = State Endangered
SR = State Route
ST = State Threatened
SA = State Special Animal
SSC = State Species of Special Concern
WL = Watch List

APPENDIX C

CULTURAL RESOURCES MEMORANDUM

MEMORANDUM

DATE: September 11, 2018

To: Romi Archer, Project Manager

FROM: Kerrie Collison, RPA

SUBJECT: Archaeological Technical Memorandum for the Nohl Ranch Open Space Trail Project, Anaheim, California (LSA Project No. GHD1702)

LSA has conducted a cultural resources technical study for the proposed Nohl Ranch Open Space Trail Project (project) in Anaheim, California.

PROJECT DESCRIPTION AND LOCATION

The City of Anaheim (City) is proposing a new spur alignment and completion of a portion of the Nohl Ranch Open Space Trail, which provides both a bicycle trail and a riding/hiking trail. The proposed project is in the city's Anaheim Hills neighborhood. The project limits are from Imperial Highway at the east side of the intersection of Avenida Bernardo North to Anaheim Hills Road, an approximately 5,300 linear-foot segment. The new spur alignment would run south along the east side of Imperial Highway for approximately 1,200 linear feet as a bikeway only. The trail completion (side-by-side bikeway and riding and hiking trail) continues along the original conceptual alignment and aligns east under a utility easement between Canyon Hills School and Imperial Elementary School and continues east north of the Imperial Park and the Canyon Hills Library and then parallels the north side of Nohl Ranch Road to its terminus at Anaheim Hills Road. The proposed project would also implement Riding and Hiking Trail 20, shown on the Equestrian Riding and Hiking Trails Plan of the City's General Plan Green Element. Ground disturbance for project work is not expected to exceed 5 feet below ground surface.

The project site is shown on the United States Geological Survey (USGS) *Orange, California* 7.5-minute topographic quadrangle map in Township 4 South, Range 9 West, Sections 2, 11, and 12, San Bernardino Baseline and Meridian (USGS 1981; refer to Attachment B).

BACKGROUND RESEARCH

On June 21, 2018, a records search was conducted of the California Historical Resources Information System at the South Central Coastal Information Center (SCCIC), located at California State University, Fullerton. The records search included a review of all recorded historic and prehistoric archaeological sites within a 0.5-mile radius of the project site, as well as a review of known cultural resource survey and excavation reports. In addition, the following inventories were examined:

- National Register of Historic Places
- California Register of Historical Resources
- California Historical Landmarks
- California Points of Historical Interest
- California Historic Resources Inventory

Background Research Results

The letter describing the results of the records search has been attached to this memorandum (refer to Attachment C). The records search shows that the current project site was included as part of one prior study, a survey (Table A). An additional 13 studies have taken place within 0.5 mile of the project site. These studies include an evaluation (1), surveys (2), an overview report (1), an excavation (1), a Historical Resources Compliance Report (1), and cultural studies of unspecified types (7). The records search results show that only a small portion of the project site has been previously surveyed.

Table A: Results of Records Search

Reference	OR No. ¹	Type of Study
Previous Studies in the Project Site		
Neitzel (1977)	552	Survey
Previous Studies within 0.5 Mile of the Project Site		
OR-270, 550, 594, 640, 801, 1291, 2143, 2146, 2589, 2590, 2619, 3528, 3768		

¹ OR is the Information Center code for Orange County, the county in which the study took place. References are listed in the References section and by OR number in Appendix B.

No cultural resources have been previously recorded in the project site. One cultural resource is within 0.5 mile of the project site. This site (P-30-000519) was recorded as a prehistoric lithic scatter, and is located approximately 0.4 mile from the project site.

The records search provided two historic maps: the 1896 *Anaheim, California* 15-minute topographic quadrangle map (USGS 1896) and the 1942 *Anaheim, California* 15-minute topographic quadrangle map (USACE 1942). The 1896 quadrangle shows no prior development in the project site. The 1942 quadrangle shows no prior development in the project site, but does show development along the Santa Ana Valley Canal, which is 0.25 mile from the northwestern most point of the project site.

Aerial photographs and historic topographic quadrangle maps of the project site were also examined (NETR 2018). The earliest available historic aerial photograph of the project site dates to 1946, at which time the project site was open space. According to the aerial photographs, development in the vicinity of the project site began between 1972 and 1980, which is the same time that the school buildings adjacent to the western portion of the project site were constructed. The historic topographic quadrangles available online show similar information to the maps provided by the SCCIC, that no development in the project site occurred prior to 1896. According to the historic quadrangles, the school buildings adjacent to the western portion of the project site and

the Palacio Senior Apartments buildings adjacent to the eastern portion of the project site were constructed between 1974 and 1982.

Because the school buildings and the Palacio Senior Apartments buildings are less than 50 years old, no historic-period buildings exist within the project site. As such, no buildings within the project site need to be considered further in the California Environmental Quality Act (CEQA) or the National Environmental Policy Act processes.

FIELD SURVEY

On August 15, 2018, LSA Archaeologist Ivan Strudwick, RPA, conducted a pedestrian field survey of the project site.

Field Survey Results

No cultural resources were observed during the field survey. Observed sediments included yellow-brown clay with some silt, gravel, and rock. Ground visibility throughout the project site ranged from 40 to 90 percent. Portions of the proposed trail follow a buried gas line, indicating previous disturbance (refer to Attachment D for survey photos). Areas most likely to contain prehistoric resources based on topography were examined closely for the presence of cultural resources, but none were observed.

SUMMARY AND RECOMMENDATIONS

This study consisted of a records search and a field survey. Both the records search and the field survey were negative for the presence of cultural resources in the project site. However, only one previous study has been conducted within the project site (Neitzel 1977), and this study did not involve subsurface testing. While portions of the trail alignment appear to follow a subsurface pipeline, no cultural reports documenting excavation for the installation of the subsurface pipeline are on file at the SCCIC. As such, the archaeological sensitivity of the project site and immediate vicinity is moderate. It is possible that the proposed project will impact previously unrecorded archaeological deposits that may be considered historical or unique archaeological resources per CEQA (California Public Resources Code Sections 21084.1 and 21083.2).

For the above reasons, LSA recommends that a qualified professional archaeologist should monitor construction-related ground disturbance—including clearing and grubbing—during project activities. The monitoring should continue until grading and excavation is complete, or until the monitoring archaeologist, based on field observations, is satisfied that there is no likelihood of encountering intact archaeological deposits. Upon completion of the monitoring and, if necessary, mitigation, the archaeologist should prepare a draft report to document the methods and results of the investigation(s). The draft report should be submitted to the SCCIC.

If archaeological materials are encountered, the archaeological monitor should examine the area closely, temporarily marking the extent of the cultural deposit. If the evaluation determines that the deposit is neither a historic-period nor a unique archaeological resource, the avoidance of potential impacts to the deposit is not necessary. If the deposit is an eligible prehistoric resource, impacts to the resource should be mitigated. Mitigation may consist of excavating the archaeological deposit in

accordance with a data recovery plan (see State CEQA Guidelines Section 15126.4(b)(3)(C)) developed in consultation with descendant community representatives, recording the resource, preparing a report of findings, and accessioning recovered archaeological materials at an appropriate curation facility. Public educational outreach may also be appropriate. If human remains are encountered, the regulatory process outlined at California Health and Safety Code Section 7050.5 must be followed, which involves coordination with the Native American Heritage Commission and a Native American Most Likely Descendant.

Attachments: A – References
B – Project Figures
C – Records Search Results Letter
D – Survey Photographs

ATTACHMENT A

REFERENCES

National Environmental Title Research (NETR)

- 2018 Historic Aerials. Electronic document, <http://www.historicaerials.com> (accessed August 2, 2018).

Neitzel, Jill

- 1977 Archaeological Survey Conducted Along the Proposed Alternate Route of the Diemer Pipeline, Orange County, California. Archaeological Research, Inc. On file, South Central Coastal Information Center, California State University, Fullerton (Accession No. OR-552).

United States Army Corps of Engineers (USACE)

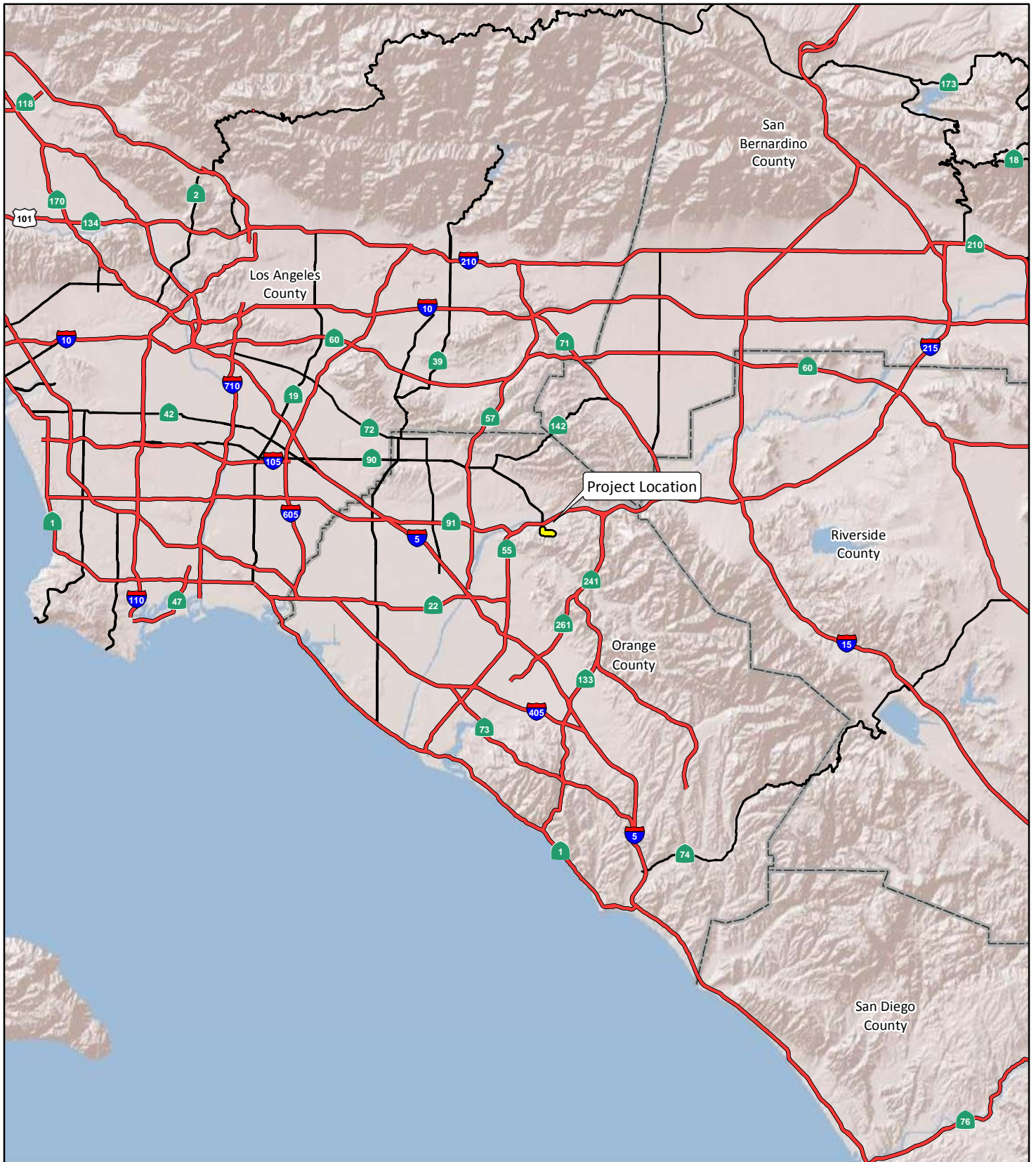
- 1942 *Anaheim, California* 15-minute topographic quadrangle map. Reprinted from Military Edition for Civil Use. For sale by United States Geological Survey, Denver, Colorado.

United States Geological Survey (USGS)

- 1896 *Anaheim, California* 15-minute topographic quadrangle map. United States Geological Survey.
- 1981 *Orange, California* 7.5-minute quadrangle. Prepared in 1964. Photorevised in 1981. United States Geological Survey, Denver, Colorado.

ATTACHMENT B

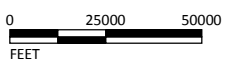
PROJECT FIGURES



LEGEND

 Project Location

FIGURE 1



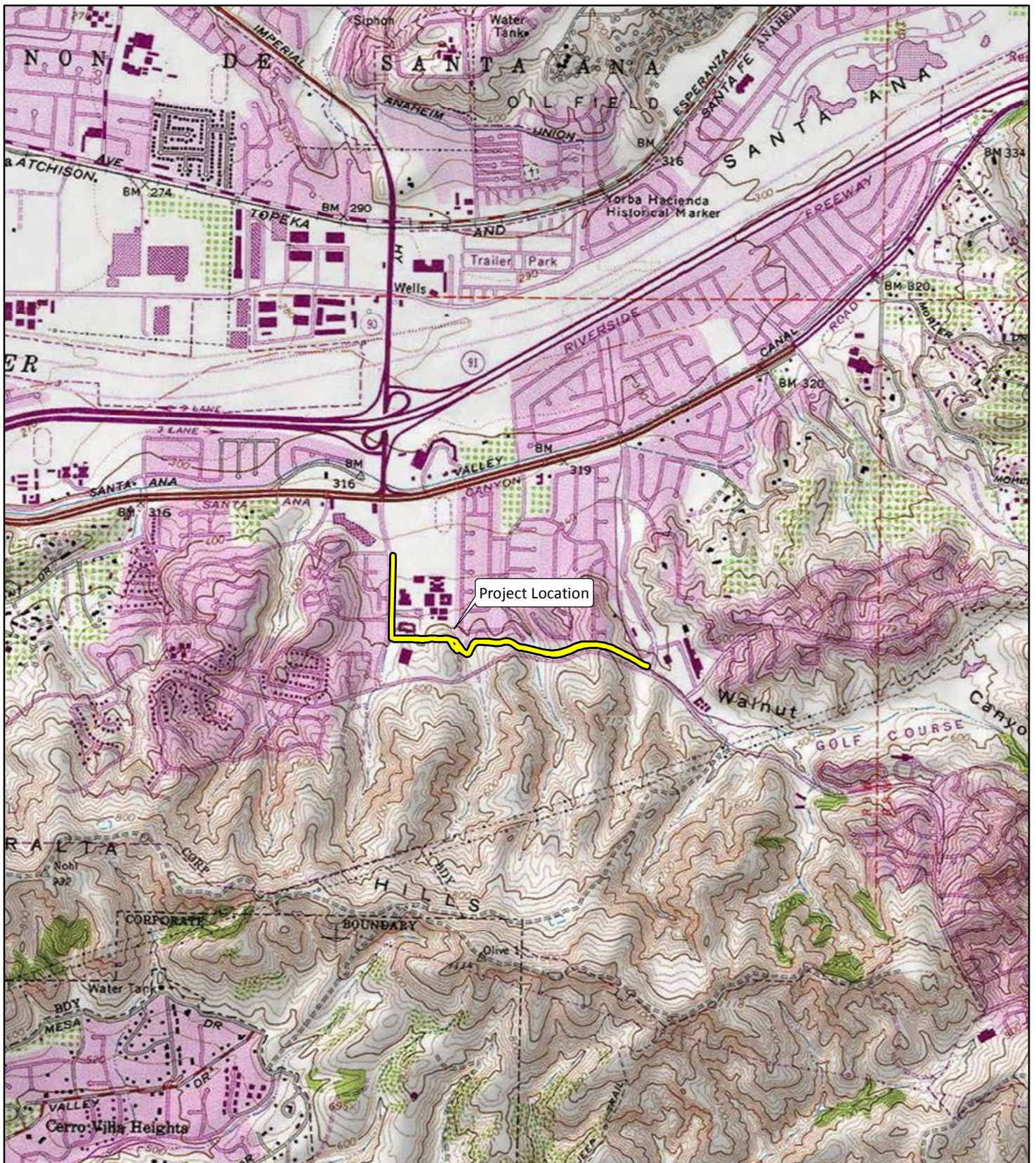
SOURCE: Esri (2017)

I:\GHD1702\GIS\MXD\ASR_ProjLocRegion.mxd (8/22/2018)

*Nohl Ranch Open Space Trail
Alignment Study - Alternative 4*

Project Location

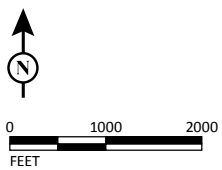
CML-5055(188)



LEGEND

 Project Location

FIGURE 2



SOURCE: USGS 7.5' Quad - Orange (1981)

I:\GHD1702\GIS\MXD\ASR_ProjLocRegionUSGS.mxd (8/22/2018)

Nohl Ranch Open Space Trail
Alignment Study - Alternative 4

Project Location

CML-5055(188)

ATTACHMENT C

RECORDS SEARCH RESULTS LETTER

South Central Coastal Information Center

California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395 / FAX 657.278.5542
sccic@fullerton.edu

California Historical Resources Information System
Orange, Los Angeles, and Ventura Counties

6/21/2018

Records Search File No.: 19087.5088

Kerrie Collison
LSA
285 South Street, Suite P
San Luis Obispo, CA 93401

Re: Record Search Results for the Nohl Ranch Open Space Trail (GHD1702)

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Orange, CA USGS 7.5' quadrangle. The following reflects the results of the records search for the project area and a ½-mile radius:

As indicated on the data request form, the locations of archaeological resources and reports are provided in the following format: custom GIS maps shape files hand-drawn maps

Resources within project area: 0	None
Resources within ½-mile radius: 1	P-30-000519
Resources listed in the OHP Historic Properties Directory within project area: 0	None
Resources listed in the OHP Historic Properties Directory within ½-mile radius: 0	None
Reports within project area: 1	OR-00552
Reports within ½-mile radius: 13	SEE ATTACHED MAP or LIST

- Resource Database Printout (list):** enclosed not requested nothing listed
- Resource Database Printout (details):** enclosed not requested nothing listed
- Resource Digital Database (spreadsheet):** enclosed not requested nothing listed
- Report Database Printout (list):** enclosed not requested nothing listed
- Report Database Printout (details):** enclosed not requested nothing listed
- Report Digital Database (spreadsheet):** enclosed not requested nothing listed
- Resource Record Copies:** enclosed not requested nothing listed
- Report Copies:** enclosed not requested nothing listed
- OHP Historic Properties Directory:** enclosed not requested nothing listed

Archaeological Determinations of Eligibility: enclosed not requested nothing listed
Los Angeles Historic-Cultural Monuments enclosed not requested nothing listed
Historical Maps: enclosed not requested nothing listed
Ethnographic Information: not available at SCCIC
Historical Literature: not available at SCCIC
GLO and/or Rancho Plat Maps: not available at SCCIC
Caltrans Bridge Survey: not available at SCCIC; please go to
<http://www.dot.ca.gov/hq/structur/strmaint/historic.htm>
Shipwreck Inventory: not available at SCCIC; please go to
http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp
Soil Survey Maps: (see below) not available at SCCIC; please go to
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the [California Historical Resources Information System](#),



Isabela Kott
GIS Technician/Staff Researcher

Enclosures:

- (X) Custom Maps – 1 page
- (X) Resource Database Printout (list) – 1 page
- (X) Report Database Printout (list) – 2 pages
- (X) Historical Maps – 4 pages

ATTACHMENT D

SURVEY PHOTOGRAPHS



*Corridor to the north of Nohl Ranch Road, east of Covered Wagon Trail.
View to east. August 15, 2018.*



*Corridor to the north of Imperial Elementary School.
View to west. August 15, 2018.*

APPENDIX D

PALEONTOLOGICAL TECHNICAL MEMORANDUM



MEMORANDUM

DATE: September 21, 2018

To: Romi Archer, Project Manager

FROM: Sarah Rieboldt, Ph.D., Senior Paleontological Resources Manager

SUBJECT: Paleontological Technical Memorandum for the Nohl Ranch Open Space Trail Project, Anaheim, California

INTRODUCTION

This memorandum was prepared to ensure that the Nohl Ranch Open Space Trail Project (project) in Anaheim, California, is in compliance with all applicable State and local regulations and requirements regarding paleontological resources, as well as guidelines of the Society of Vertebrate Paleontology (SVP, 2010). The applicable regulations, requirements, and policies include the California Environmental Quality Act (CEQA), Public Resources Code (PRC) Division 13, Chapter 2.6; the *State CEQA Guidelines*, California Code of Regulations (CCR), Title 14, Chapter 3, Appendix G; and PRC 5097.5. This memorandum addresses the potential for the project to impact paleontological resources and includes mitigation measures to minimize these impacts. The City of Anaheim (City) is the Lead Agency under CEQA.

PROJECT DESCRIPTION AND LOCATION

The City is proposing a new spur alignment and completion of a portion of the Nohl Ranch Open Space Trail, which provides both a bicycle trail and a riding/hiking trail. The proposed project is in the Anaheim Hills neighborhood. The project limits are from Imperial Highway at the east side of the intersection of Avenida Bernardo North to Anaheim Hills Road, an approximately 5,300 linear-foot segment. The new spur alignment would run south along the east side of Imperial Highway for approximately 1,200 linear feet as a bikeway only. The trail completion (side-by-side bikeway and riding and hiking trail) continues along the original conceptual alignment and aligns east under a utility easement between Canyon Hills School and Imperial Elementary School. The trail continues east, north of Imperial Park and the Canyon Hills Library, then parallels the north side of Nohl Ranch Road to its terminus at Anaheim Hills Road. The project would also implement Riding and Hiking Trail 20, shown on the Equestrian Riding and Hiking Trails Plan of the City's General Plan Green Element. Ground disturbance for project work is not expected to exceed 5 feet below ground surface.

The project site is shown on the United States Geological Survey (USGS) *Orange, California 7.5-minute topographic quadrangle* map in unsectioned land of the Santiago de Santa Ana Land Grant (USGS 1981; refer to Figure 1 in Attachment B).

METHODS

LSA examined geologic maps of the project site and reviewed relevant geological and paleontological literature to determine which geologic units are present in the project site and whether fossils have been recovered from those or similar geologic units elsewhere in the region. A search for known fossil localities was also conducted through the Natural History Museum of Los Angeles County (LACM) in order to determine the status and extent of previously recorded paleontological resources within and surrounding the project site. A field survey was completed by LSA Paleontologist Paul Alms, M.Sc., on September 14, 2018, to note the sediments and to identify any unrecorded paleontological resources exposed on the surface of the project site.

RESULTS

Literature Review

The project is at the northern end of the Peninsular Ranges Geomorphic Province, a 900-mile (mi) long northwest-southeast-trending structural block that extends from the Transverse Ranges in the north to the tip of Baja California in the south (California Geological Survey, 2002; Norris and Webb, 1976). This province is characterized by mountains and valleys that trend in a northwest-southeast direction, roughly parallel to the San Andreas Fault. The total width of the province is approximately 225 mi, extending from the Colorado Desert in the east, across the continental shelf, to the southern Channel Islands (i.e., Santa Barbara, San Nicolas, Santa Catalina, and San Clemente) (Sharp, 1976). It contains extensive pre-Cenozoic (more than 66 million years ago [Ma]) igneous and metamorphic rock covered by Cenozoic (less than 66 Ma) sedimentary deposits (Norris and Webb, 1976).

Geologic mapping by Morton and Miller (2006) indicates that the project site contains Young Alluvial Fan Deposits, Very Old Alluvial Fan Deposits, the lower member of the Fernando Formation, and the Sycamore Canyon Member of the Puente Formation (Figure 2, Attachment B). These geologic units and their relative paleontological sensitivities are described in more detail below. Dates for the geologic epochs referenced herein are derived from the International Chronostratigraphic Chart prepared by the International Commission on Stratigraphy (ICS, 2018).

Young Alluvial Fan Deposits

The Young Alluvial Fan Deposits are Holocene to late Pleistocene in age (less than 126,000 years ago) and consist of unconsolidated gravel, sand, and silt with occasional cobbles and boulders near mountain fronts (Morton and Miller, 2006). These sediments were deposited by flooding streams and debris flows coming down from higher elevations and generally form a fan or lobe shape at the base of hills and mountains (Morton and Miller, 2006).

Although Holocene deposits can contain remains of plants and animals, only those from the middle to early Holocene (4,200 to 11,700 years ago; ICS, 2018) are considered scientifically important (SVP, 2010). These Holocene deposits overlie older Pleistocene deposits, which have produced scientifically important fossils elsewhere in the region (Jefferson, 1991a, 1991b; Miller, 1971; Reynolds and Reynolds, 1991; Springer et al., 2009). These older deposits span the end of the Rancholabrean North American Land Mammal Age, which dates from 11,000 to 240,000 years ago (Sanders et al., 2009) and was named for the Rancho La Brea fossil site in central Los Angeles. The

presence of *Bison* defines the beginning of the Rancholabrean North American Land Mammal Age (Bell et al., 2004), but fossils from this time also include other large and small mammals, reptiles, fish, invertebrates, and plants (Jefferson, 1991a, 1991b; Miller, 1971; Reynolds and Reynolds, 1991; Springer et al., 2009). There is a potential to find these types of fossils in the older sediments of this geologic unit, which may be encountered below a depth of approximately 10 ft. Therefore, these deposits are assigned low paleontological sensitivity from the surface to a depth of 10 ft and high sensitivity below that mark.

Very Old Alluvial Fan Deposits

Like the Young Alluvial Fan Deposits, the Very Old Alluvial Fan Deposits formed from sediment carried by rivers and streams down higher elevations and deposited in a fan or lobe shape at the base of the hills. However, these deposits accumulated during the middle to early Pleistocene (126,000 years ago to 2.588 Ma) and consist of a moderately to well consolidated mixture of silt, sand, gravel, and conglomerate (Morton and Miller, 2006).

These deposits formed during an interval that spans three North American Land Mammal Ages: the Rancholabrean (11,000–240,000 years ago), the Irvingtonian (240,000 years ago–1.8 Ma) and the Blancan (1.8–4.75 Ma) (Bell, 2004; Sanders et al., 2009). Fossils are known in similar Rancholabrean, Irvingtonian, and Blancan deposits from excavations for roads, housing developments, and quarries, as well as scientific investigations within the Southern California area (Bell et al., 2004; Jefferson, 1991a, 1991b; Miller, 1971; Pajak et al., 1996). These fossils include mammoths, mastodons, horses, camels, saber-toothed cats, coyotes, deer, peccaries, and sloths, as well as smaller animals like rodents, rabbits, birds, reptiles, and fish. As such, these deposits are considered to have high paleontological sensitivity.

Fernando Formation, Lower Member

In the vicinity of the project site, the Pliocene (2.588–5.333 Ma) Fernando Formation has been divided into two informal members: one upper member and one lower member (Morton and Miller, 2006). Only the lower member is mapped within the project site, and it consists of brownish-gray to pale gray siltstone, sandstone, and conglomerate that were deposited in deep to shallow marine environments (Morton and Miller, 2006).

The deposits of the Fernando Formation are known to be fossiliferous throughout Los Angeles and Orange Counties. Eisentraut and Cooper (2002) report that invertebrate and occasional vertebrate fossils have been found in the Fernando Formation in the Santa Ana Mountains and Coyote and Puente Hills. Schoellhamer et al. (1981) list five localities from the Fernando Formation from the Santa Ana Mountains that contain remains of gastropods, bivalves, and barnacles. Near Highland Park, brachiopods, bivalves, and gastropods have been recovered (Lamar, 1970). In the Repetto Hills, Natland and Rothwell (1954) defined the type section for the earliest Pliocene Repettian stage based on foraminifera from the Fernando Formation. In the Santa Monica Mountains, this formation has yielded shark teeth, brachiopods, bivalves, and gastropods (Koch et al., 2004). The marine sediments of Fernando Formation in the project site have the potential to yield similar fossils and are considered to have high paleontological sensitivity.

Puente Formation, Sycamore Canyon Member

The late Miocene (5.333–11.62 Ma), marine Puente Formation was named by Eldridge and Arnold (1907) for exposures in the Puente Hills and is divided into four members, in descending geochronologic order: the Sycamore Canyon Member, the Yorba Member, the Soquel Member, and the La Vida Member (Morton and Miller, 2006; Schoellhamer et al., 1981). Only the Sycamore Canyon Member is mapped with this project site (Morton and Miller, 2006) and will be discussed here. This member is comprised predominantly of light yellowish-brown to light gray, thickly bedded to massive sandstones with minor interbeds of pinkish-brown or gray to greenish gray, thinly bedded to laminated silty sandstone and siltstones (Morton and Miller, 2006; Morton et al., 1976; Schoellhamer et al., 1981). Conglomerate lenses are also common in some areas (Morton and Miller, 2006; Morton et al., 1976).

Scientifically significant paleontological resources have been recovered from the Puente Formation around Southern California. In the Repetto Hills, Lamar (1970) reported 12 genera of fish from eight localities, and in the Puente Hills, this formation has produced fossils of fish, marine mammals (mostly whales), invertebrates, and plants (Eisentraut and Cooper, 2002). The deep-water shales of the Puente Formation in the Peralta Hills in southeastern Anaheim yielded rare fossils of hexactinellid sponges, the first of their kind from the Miocene in California and one of few known from the Miocene in all of North America (Rigby and Albi, 1996). In the Santa Ana Mountains, invertebrates, such as bivalves, gastropods, and barnacles (Schoellhamer et al., 1981), as well as some vertebrates have been recovered. And to the east in Riverside County, these deposits have yielded less commonly preserved invertebrate fossils like shrimp and crabs, in addition to bivalves, microfossils, plants, and marine mammals (Feldmann, 2003). Based on the variety of taxa, including very rare organisms, and the quality of the specimens produced from the Puente Formation, this geologic unit is considered to have high paleontological sensitivity.

Fossil Locality Search

According to the locality search LACM conducted, there are no known fossil localities within the project boundaries. The LACM reports that the project site is underlain by deposits of younger Quaternary alluvium (i.e., Young Alluvial Fan Deposits), older Quaternary alluvium (i.e., Very Old Alluvial Fan Deposits), the Fernando Formation, and the Sycamore Canyon Member of the Puente Formation. The museum notes that the uppermost layers of the younger Quaternary alluvium typically do not contain scientifically significant fossils; however, at depth, those deposits are older and may contain fossils. The museum has records of fossil localities from older Quaternary alluvium, the Fernando Formation, and the Puente Formation near the project site.

The closest vertebrate locality in older Quaternary deposits is LACM 4943, west-southwest of the project site along Fletcher Avenue, east of Glassell Street. This locality produced a specimen of horse (*Equus*) at a depth of 8–10 ft below the surface. The closest localities in the Fernando Formation are near Newport Bay, mostly between Ford Road and University Drive near MacArthur Boulevard. These localities include LACM 1067, 1729, 2019, 3408, 3802, 3977, 3978, 3980, and 3986, and together they produced a suite of marine fossils, including ghost sharks (Chimaeroidei) thresher shark (*Alopias superciliosus*), giant white shark (*Carcharocles*), white shark (*Carcharodon carcharias*) and *C. sulcidens*, bonito shark (*Isurus oxyrinchus*), spiny dogfish (*Squalus acanthias*), hake

(*Merluccius productus*), codlings (Moridae), queenfish (*Seriphus*), sculpins (Cottidae), rockfish (*Sebastes*), auklet (*Mancalla californiensis*), turkey (*Meleagris*), shearwater (*Puffinus felthami*), and sea lion (Otariidae). From the Sycamore Canyon Member of the Puente Formation, the museum has locality LACM 6362, just west of Hacienda Heights in the Puente Hills. This locality produced a skeleton of a whale (Cetacea). The museum has other records of localities from the Soquel and Yorba Members of the Puente Formation closer to the project site, including LACM 5560, 6307-6337, 7266, 7267, 7269, 7270, 7272-7284, 7373-7381, 7383, and 7386, which are northeast of the project site, just south of Los Serranos, near State Route 71. These localities produced a rich fauna of various fish and marine mammals. A copy of the letter describing the locality search results from the LACM is provided in Attachment C.

Field Survey

Visibility in the project area was highly variable by location, with some areas completely covered by vegetation or pavement and other areas showing excellent exposures. Gray, coarse-grained sand with scattered cobbles of sandstone, siltstone, and shale, consistent with the Young Alluvial Fan Deposits mapped by Morton and Miller (2006), were noted along the trail north of Imperial Elementary School. Deposits of brown medium-grained sand and cobbles, consistent with the Very Old Alluvial Fan Deposits as mapped by Morton and Miller (2006), were noted along the trail north of Imperial Elementary School, north of Imperial Park from South Scout Trail to Canyon Hills School, and on the slope south of the Canyon High School parking lot. Outcrops of gray-brown, fine to medium-grained sandstone, consistent with the lower member of the Fernando Formation as mapped by Morton and Miller (2006), were noted north of Nohl Ranch Road. No paleontological resources were observed during the field survey.

CONCLUSIONS AND RECOMMENDATIONS

The Young Alluvial Fan Deposits are considered to have low paleontological sensitivity from the surface to a depth of 10 ft and high paleontological sensitivity below a depth of 10 ft; however the other geologic units within the project site, including the Very Old Alluvial Fan Deposits, the lower member of the Fernando Formation, and the Sycamore Canyon Member of the Puente Formation, all have high paleontological sensitivity. Because project excavation is anticipated to extend to a depth of approximately 5 ft or less below the surface, LSA recommends the following mitigation measure:

PALEO-1 A paleontologist shall be hired to develop a Paleontological Resources Impact Mitigation Program (PRIMP) for this project. The PRIMP shall include the methods that will be used to protect paleontological resources that may exist within the project site, as well as procedures for monitoring, fossil preparation and identification, curation into a repository, and preparation of a final report at the conclusion of grading.

Excavation and grading activities in deposits with high paleontological sensitivity (the Very Old Alluvial Fan Deposits, the lower member of the Fernando Formation, and the Sycamore Canyon Member of the Puente Formation) shall be monitored by a paleontological monitor following a PRIMP. No monitoring is required for

excavation in deposits with low paleontological sensitivity (Young Alluvial Fan Deposits from the surface to a depth of 10 ft).

If paleontological resources are encountered during the course of ground disturbance, the paleontological monitor shall have the authority to temporarily redirect work away from the area of the find in order to assess its significance.

In the event that paleontological resources are encountered when a paleontological monitor is not present, work in the immediate area of the find shall be redirected and a paleontologist shall be contacted to assess the find for significance and adjust the level of monitoring if needed.

Collected resources shall be prepared to the point of identification, identified to the lowest taxonomic level possible, cataloged, and curated into the permanent collection of a scientific institution.

At the conclusion of the monitoring program, a report of findings shall be prepared to document the results of the monitoring program.

Implementation of this mitigation measure will ensure that project impacts to scientifically significant paleontological resources will be mitigated to a level that is less than significant.

Attachments: A – References
B – Figure 1: Project Location
Figure 2: Geologic Map
C – Paleontological Locality Search Results from the Natural History Museum of Los Angeles County

ATTACHMENT A

REFERENCES

- Bell, Christopher J., Ernest L. Lundelius, Jr., Anthony D. Barnosky, Russell W. Graham, Everett H. Lindsay, Dennis R. Ruez, Jr., Holmes A. Semken, Jr., S. David Webb, and Richard J. Zakrzewski
2004 *The Blancan, Irvingtonian, and Rancholabrean Mammal Ages*. Chapter 7 in Michael O. Woodburne, ed. , *Late Cretaceous and Cenozoic Mammals of North America* pp. 232–314.
- California Geological Survey
2002 *California Geomorphic Provinces*. California Geologic Survey Note 36. California Department of Conservation.
- Eisentraut, P., and J. Cooper
2002 *Development of a Model Curation Program for Orange County's Archaeological and Paleontological Collections*. Prepared by California State University, Fullerton and submitted to the County of Orange Public Facilities Resources Department/Orange County Harbors, Beaches, and Parks (PFRD/HBP).
- Eldridge, G.H., and R. Arnold
1907 *The Santa Clara Valley, Puente Hills and Los Angeles Oil Districts, Southern California*. U.S. Geological Survey Bulletin 309. 266 pp.
- Feldmann, R.M.
2003 *Decapod Crustaceans from the Puente Formation (Late Middle to Early Late Miocene), California: a Possible Mass Death*. Southern California Academy of Sciences Bulletin. 102(3):107–118.
- International Commission on Stratigraphy
2018 *International Stratigraphic Chart*. Published by the International Commission on Stratigraphy. July 2018. Website: <http://www.stratigraphy.org/index.php/ics-chart-timescale>.
- Jefferson, George T.
1991a *A Catalogue of Late Quaternary Vertebrates from California: Part One: Non-marine Lower Vertebrate and Avian Taxa*. Natural History Museum of Los Angeles County Technical Reports No. 5, Los Angeles.

1991b *A Catalogue of Late Quaternary Vertebrates from California: Part Two: Mammals*. Natural History Museum of Los Angeles County Technical Reports No. 7, Los Angeles.
- Koch, A.L., V.L. Santucci, and T.R. Weasna
2004 *Santa Monica Mountains National Recreation Area Paleontological Survey*. Technical Report NPS/NRGRD/GRDTR-04/01.

Lamar, D.L.

- 1970 *Geology of the Elysian Park-Repetto Hills Area, Los Angeles County, California*. California Division of Mines and Geology Special Report 101, 45 pp., 1 plate.

Miller, W.E.

- 1971 *Pleistocene Vertebrates of the Los Angeles Basin and Vicinity (Exclusive of Rancho La Brea)*. Los Angeles County Museum of Natural History Bulletin, Science: No. 10.

Morton, Douglas M., and Fred K. Miller

- 2006 *Geologic Map of the San Bernardino and Santa Ana 30-minute by 60-minute quadrangles, California*. Digital preparation by Pamela M. Cosette and Kelly R. Bovard. Prepared by the United States Geological Survey (USGS) in cooperation with the California Geological Survey. USGS Open File Report 2006-1217. Map Scale 1:100,000.

Morton, Paul K., Russell V. Miller, and James R. Evans.

- 1976 *Environmental Geology of Orange County, California*. California Division of Mines and Geology Open-File Report 79-8 LA. 474 pp.

Natland, M.L., and W.T. Rothwell, Jr.

- 1954 *Fossil Foraminifera of the Los Angeles and Ventura Regions, California*. In R. H. Jahns, ed., *Geology of Southern California*, California Division of Mines and Geology Bulletin 170:33–42.

Norris, R.M., and R.W. Webb

- 1976 *Geology of California*. New York: John Wiley and Sons, Inc. 379 pp.

Pajak, Alois F., Jr., Eric Scott, and Christopher J. Bell

- 1996 *A Review of the Biostratigraphy of Pliocene and Pleistocene Sediments in the Elsinore Fault Zone, Riverside County, California*. *PaleoBios* 17(2-4):28-49.

Reynolds, R.E., and R.L. Reynolds

- 1991 *The Pleistocene Beneath our Feet: Near-surface Pleistocene Fossils in Inland Southern California Basins*. In M.O. Woodburne, R.E. Reynolds, and D.P. Whistler, eds., *Inland Southern California: The Last 70 Million Years*, Redlands, San Bernardino County Museum Special Publication 38(3 and 4):41–43.

Rigby, J.K., and Y. Albi

- 1996 *An Upper Miocene Hexactinellid Sponge from the Puente Shale, Orange County, California*. *Journal of Paleontology* 70(6):908–913.

Sanders, A.E., R.E. Weems, and L.B. Albright

- 2009 *Formalization of the Middle Pleistocene “Ten Mile Beds” in South Carolina with Evidence for Placement of the Irvingtonian-Rancholabrean Boundary*. *Museum of Northern Arizona Bulletin* 64:369–375.

Schoellhamer, J.E., J.G. Vedder, R.F. Yerkes, and D.M. Kinney

1981 *Geology of the Northern Santa Ana Mountains, California*. United States Geologic Survey, Professional Paper 420-D, 109 pp.

Sharp, R.P.

1976 *Geology: Field Guide to Southern California*. Kendall/Hunt Publishing Company, Second Edition: 181.

Society of Vertebrate Paleontology (SVP)

2010 *Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources*. Society of Vertebrate Paleontology. Impact Mitigation Guidelines Revision Committee. 11 pp.

Springer, Kathleen, Eric Scott, J. Christopher Sagebiel, and Lyndon K. Murray

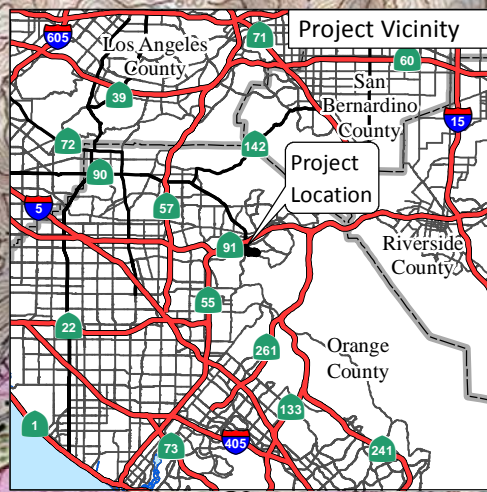
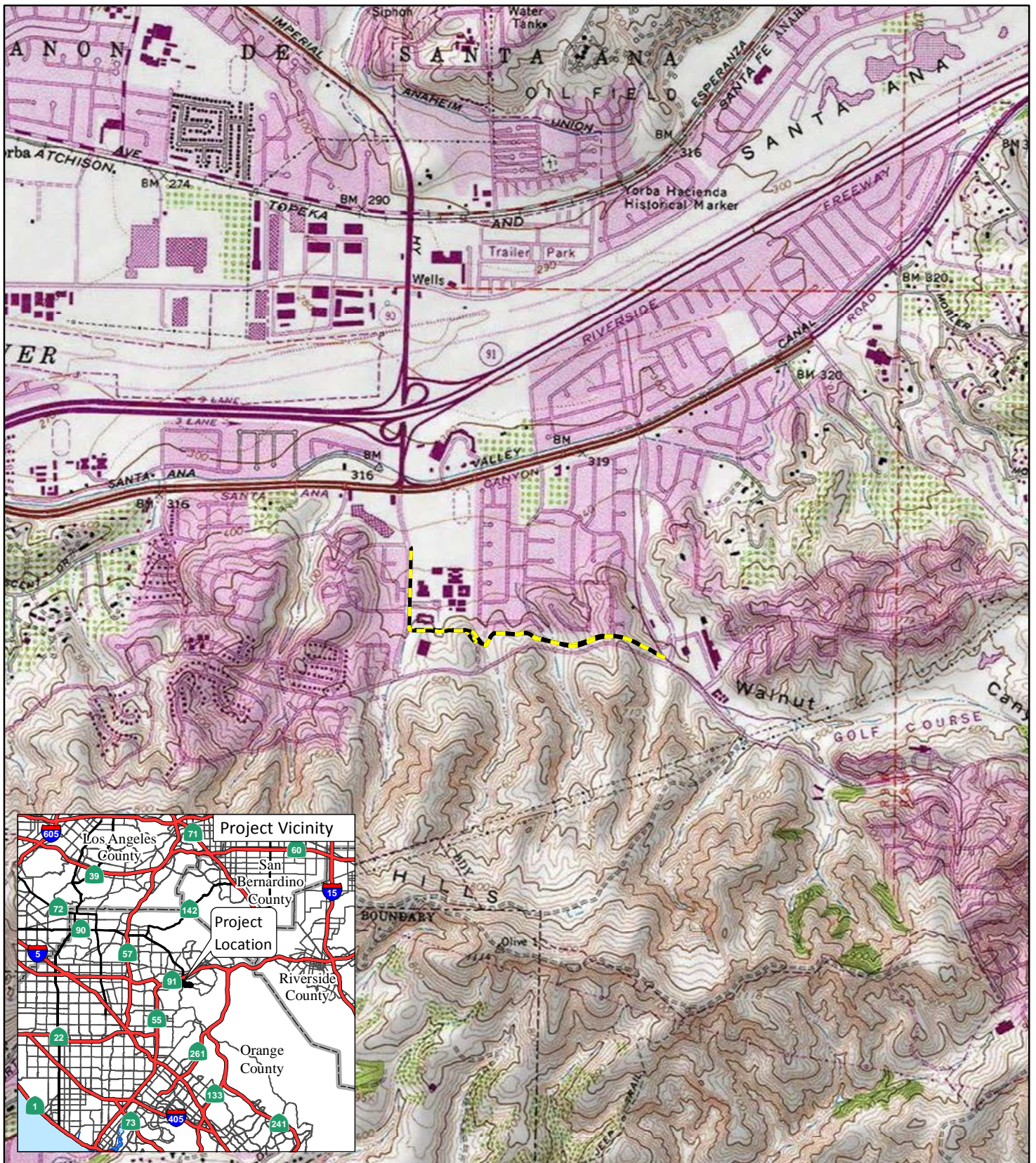
2009 *The Diamond Valley Lake Local Fauna: Late Pleistocene Vertebrates from Inland Southern California*. In L.B. Albright, III, ed. *Papers in Geology, Vertebrate Paleontology, and Biostratigraphy in Honor of Michael O. Woodburne*, Museum of Northern Arizona Bulletin 65, pp. 217–236.

United States Geological Survey (USGS)

1981 *Orange, California 7.5-minute topographic quadrangle*. Published 1964, photorevised 1981. United States Geological Survey, Denver, Colorado.

ATTACHMENT B

FIGURE 1: PROJECT LOCATION
FIGURE 2: GEOLOGIC MAP



LSA

LEGEND

— Project Location



0 1000 2000
FEET

SOURCE: USGS 7.5' Quad. (Orange, 1981)

I:\GHD1702\GIS\MXD\ProjectLocation_USGS.mxd (9/7/2018)

FIGURE 1

Nohl Ranch Open Space Trail
Project Location



LSA

LEGEND

Project Location

Geology

Qyls? - Young Landslide Deposits

Qyf_{ga} - Young Alluvial Fan Deposits

Qvof_a - Very Old Alluvial Fan Deposits

Tpsc - Puente Formation, Sycamore Canyon Member

Tpy - Puente Formation, Yorba Member

Tfl - Fernando Formation, lower member

a – arenaceous g – gravelly sand



SOURCE: Bing (1/2015); Morton and Miller (2006)

I:\GHD1702\GIS\MXD\Geology.mxd (9/20/2018)

FIGURE 2

ATTACHMENT C

PALEONTOLOGICAL LOCALITY SEARCH RESULTS FROM THE NATURAL HISTORY MUSEUM OF LOS ANGELES COUNTY

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org



Vertebrate Paleontology Section
Telephone: (213) 763-3325

e-mail: smcleod@nhm.org

17 September 2018

LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, California 92614

Attn: Sarah Rieboldt, Ph.D., Senior Paleontological Resources Manager

re: Paleontological Resources Records Check for the proposed Nohl Ranch Open Space Trail Project, LSA project # GHD1702, in the City of Anaheim, Orange County, project area

Dear Sarah:

I have thoroughly searched our paleontology collection records for the locality and specimen data for the proposed Nohl Ranch Open Space Trail Project, LSA project # GHD1702, in the City of Anaheim, Orange County, project area as outlined on the portion of the Orange USGS topographic quadrangle map that you sent to me via e-mail on 12 September 2018. We do not have any vertebrate fossil localities that lie directly within the proposed project area boundaries, but we do have localities nearby from the same sedimentary deposits that occur in the proposed project area.

In the lower lying terrain of the northwestern-most portion of the project area and in the drainages elsewhere there are surface deposits of younger Quaternary Alluvium, derived as alluvial fan deposits from the elevated terrain of the Peralta Hills adjacent to the south or from the Santa Ana River that currently flows just to the north. These deposits typically do not contain significant fossil vertebrate remains in the uppermost layers, but are underlain in this area by older sedimentary deposits that do contain significant vertebrate fossils. In the slightly more elevated terrain in the northwestern portion of the proposed project area there are older Quaternary terrace deposits at the surface. Further upslope and to the east in the proposed project area there are exposures of the marine Pliocene Fernando Formation and the marine late Miocene Sycamore Canyon Member of the Puente Formation.

Our closest fossil locality in older Quaternary sediments is LACM 4943, situated west-southwest of the proposed project area east of the Santa Ana River along Fletcher Avenue east of Glassell Street, that produced a specimen of fossil horse, *Equus*, at a depth of 8-10 feet below the surface.

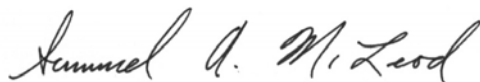
Our closest vertebrate fossil localities from the Fernando Formation in Orange County are all quite to the south-southwest of the proposed project area east of Upper Newport Bay, mostly between Ford Road and University Drive near MacArthur Boulevard. These localities include LACM 1067, 1729, 2019, 3408, 3802, 3977-3978, 3980 and 3986. Together these localities produced a suite of marine vertebrates including Chimeara, Chimaeroidei, thresher shark, *Alopias superciliosus*, giant white shark, *Carcharocles*, white sharks, *Carcharodon carcharias* and *Carcharodon sulcidens*, bonito shark, *Isurus oxyrinchus*, spiny dogfish, *Squalus acanthias*, hake, *Merluccius productus*, codlings, Moridae, queenfish, *Seriphus*, sculpins, Cottidae, rockfish, *Sebastes*, auklet, *Mancalla californiensis*, turkey, *Meleagris*, shearwater, *Puffinus felthami*, and sea lion, Otariidae.

Most of the older localities recorded in our system did not specify the member of the Puente Formation and our only vertebrate fossil locality recorded as being from the Sycamore Canyon Member of the Puente Formation is LACM 6362, just west of Hacienda Heights in the Puente Hills considerably northwest of the proposed project area, that produced a skeleton of a fossil whale, Cetacea. Our closest fossil vertebrate localities in the Puente Formation, but from the slightly older Yorba and Soquel Members, are about sixty localities, LACM 5560, 6307-6337, 7266-7267, 7269-7270, 7272-7284, 7373-7381, 7383, and 7386, just south of Los Serranos and west of the Corona Freeway northeast of the proposed project area. These localities have produced a rich fauna of fossil fish and marine mammals (see attached for composite fauna from these localities).

Shallow excavations in the younger Quaternary Alluvium exposed in the lower lying terrain in the proposed project area are unlikely to uncover significant fossil vertebrate remains. Deeper excavations that extend down into older sedimentary deposits, however, and any excavations in the exposures of older Quaternary terrace deposits, the Fernando Formation, or the Puente Formation, may well encounter significant vertebrate fossil remains. Any substantial excavations in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Also, sediment samples should be collected and processed to determine the small fossil potential in the proposed project area. Any fossil materials uncovered during mitigation activities should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,



Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosures: attachment; invoice

Composite fossil fauna from Puente Formation localities just south of Los Serranos, Chino Hills
Localities LACM 5560, 6307-6337, 7266-7267, 7269-7270, 7272-7284, 7373-7381, 7383, and 7386

Osteichthyes

Clupeiformes

Clupeidae

- herrings

Ganolytes

cameo

Xyne

grex

Gadiformes

Gadidae

- cods

Eclipes

Moridae

- moras

Myctophiformes

Myctophidae

- lanternfishes

Perciformes

Carangidae

- jacks; amberjacks; pompanos

Decapterus

Pseudoseriola

Gempylidae

- snake mackerels; escolars; oilfishes

Thyrsoles

kriegeri

Sciaenidae

- croakers

Lompoquia

Scombridae

- mackerels & tunas

Sarda

Scomber

Serranidae

- sea basses & groupers

Sparidae

- porgies

Plectrites

classeni

Salmoniformes

Bathylagidae

- deep sea smelts

Salmonidae

- trouts & salmons

Oncorhynchus

Scorpaeniformes

Scorpaenidae

- scorpionfishes & rockfishes

Stomiatiiformes

Chauliodontidae

- viperfish

Chauliodus

eximius

Sternoptychidae

- hatchetfishes

Argyropelecus

Mammalia

Carnivora

Otariidae

- eared seal [sea lions]

Pithanotaria

Cetacea

Balaenopteridae

- rorqual baleen whales

Phocoenidae

- porpoises

Physeteridae

- sperm whales

Scaldicetus

APPENDIX E

EDR HAZARDS DATABASE REPORT

Nohl Ranch Open Space Trail

Nohl Ranch Road
Anaheim, CA 92807

Inquiry Number: 5253892.2s
April 10, 2018

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	93
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-13
Physical Setting Source Map Findings	A-15
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOHL RANCH ROAD
ANAHEIM, CA 92807

COORDINATES

Latitude (North): 33.8453650 - 33° 50' 43.31"
Longitude (West): 117.7820510 - 117° 46' 55.38"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 427646.2
UTM Y (Meters): 3745091.8
Elevation: 466 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5641308 ORANGE, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140515
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 NOHL RANCH ROAD
 ANAHEIM, CA 92807

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	KRISTEN EVANS	277 S HILLCREST ST	HAZNET	Lower	1 ft.
2	ORANGE USD CANYON HI	260 S IMPERIAL HWY	HAZNET	Lower	1 ft.
A3	ANAHEIM HILLS CLEANER	456 ANAHEIM HILLS RD	RCRA-SQG, FINDS, ECHO, DRYCLEANERS, EMI, HAZNET	Lower	87, 0.016, East
A4	ANAHEIM HILLS CLEANER	456 S ANAHEIM HILLS	EDR Hist Cleaner	Lower	87, 0.016, East
5	A ESRIG M SOROUDI S	500 S ANAHEIM HILLS	RCRA-SQG, FINDS, ECHO	Lower	168, 0.032, ESE
6	ORANGE USD CANYON HI	220 S IMPERIAL HWY	RCRA-SQG, FINDS, ECHO	Lower	328, 0.062, WNW
B7	ANAHEIM HILLS TEXACO	400 S ANAHEIM HILLS	EDR Hist Auto	Lower	363, 0.069, East
B8	CHEVRON #9-4836	400	LUST, HIST CORTESE	Lower	363, 0.069, East
9	CVS PHARMACY #9760	460 S ANAHEIM HILLS	RCRA-LQG, FINDS, ECHO	Lower	398, 0.075, East
B10	TEXACO ANAHEIM HILLS	380 ANAHEIM HILLS RO	EDR Hist Auto	Lower	425, 0.080, East
B11	ANAHEIM HILLS TEXACO	400 S ANAHEIM HILLS	UST	Lower	426, 0.081, East
B12	SHELL SERVICE STATIO	400 S ANAHEIM HILLS	RCRA-SQG, FINDS, ECHO	Lower	426, 0.081, East
B13	TEXACO (61-106-444)	400 S ANAHEIM HILLS	LUST, SWEEPS UST, HIST UST, CA FID UST	Lower	426, 0.081, East
14	WAREH NAZIH	512 S GOLDENSKY LN	EDR Hist Auto	Higher	592, 0.112, SSE
C15	RITE AID #5770	5560 E SANTA ANA CAN	RCRA-CESQG	Lower	899, 0.170, NW
C16	RITE AID #5770	5560 E SANTA ANA CAN	RCRA-LQG	Lower	899, 0.170, NW
C17	GREEN CLEAN INVESTME	5566 E SANTA ANA CAN	DRYCLEANERS	Lower	912, 0.173, NW
C18	CANYON CLEANERS	5566 EAST SANTA ANA	ENVIROSTOR, SLIC, CHMIRS	Lower	912, 0.173, NW
19	CANYON PLAZA CLEANER	5765 F SANTA ANA CAN	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	979, 0.185, NW
D20	HILLSIDE CLEANERS	5565 E SANTA ANA CAN	Orange Co. Industrial Site, DRYCLEANERS	Lower	1225, 0.232, NW
D21	HILLSIDE CLEANERS	5565 E SANTA ANA CAN	DRYCLEANERS, HAZNET	Lower	1225, 0.232, NW
E22	U.S. POSTAL, ANAHEIM	5505 SANTA ANA CANYO	LUST	Lower	1558, 0.295, WNW
E23	U S POST OFFICE/ANAH	5505 SANTA ANA CANYO	SWEEPS UST, CA FID UST, HIST CORTESE	Lower	1558, 0.295, WNW
E24	U.S. POSTAL, ANAHEIM	5505 E SANTA ANA CAN	LUST	Lower	1606, 0.304, WNW
25	CROWN HARDWARE/FORME	5765-C EAST SANTA AN	SLIC	Lower	1639, 0.310, NNW
F26	ANAHEIM FIRE STATION	6300 NOHL RANCH	LUST, HIST CORTESE	Higher	1831, 0.347, ESE
F27	ANAHEIM FIRE STATION	6300 E NOHL RANCH RD	LUST, HIST UST	Higher	1831, 0.347, ESE
G28	ENGELHARD WEST INC	5510 E LA PALMA AVE	ENVIROSTOR, CHMIRS, EMI, ICE, HWP	Lower	3681, 0.697, NW
G29	ENGELHARD WEST, INC.	5510 E. LA PALMA AVE	SEMS-ARCHIVE, CORRACTS, RCRA-SQG, 2020 COR ACTION	Lower	3681, 0.697, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
Orange Co. Industrial Site.....	List of Industrial Site Cleanups
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing

EXECUTIVE SUMMARY

MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
 RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ENGELHARD WEST, INC.</i>	<i>5510 E. LA PALMA AVE</i>	<i>NW 1/2 - 1 (0.697 mi.)</i>	<i>G29</i>	<i>65</i>

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CVS PHARMACY #9760	460 S ANAHEIM HILLS	E 0 - 1/8 (0.075 mi.)	9	20
RITE AID #5770	5560 E SANTA ANA CAN	NW 1/8 - 1/4 (0.170 mi.)	C16	39

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM HILLS CLEANER	456 ANAHEIM HILLS RD	E 0 - 1/8 (0.016 mi.)	A3	9
A ESRIG M SOROUDI S	500 S ANAHEIM HILLS	ESE 0 - 1/8 (0.032 mi.)	5	14
ORANGE USD CANYON HI	220 S IMPERIAL HWY	WNW 0 - 1/8 (0.062 mi.)	6	16
SHELL SERVICE STATIO	400 S ANAHEIM HILLS	E 0 - 1/8 (0.081 mi.)	B12	28
CANYON PLAZA CLEANER	5765 F SANTA ANA CAN	NW 1/8 - 1/4 (0.185 mi.)	19	47

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RITE AID #5770	5560 E SANTA ANA CAN	NW 1/8 - 1/4 (0.170 mi.)	C15	34

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CANYON CLEANERS Facility Id: 30890001 Status: Refer: RWQCB	5566 EAST SANTA ANA	NW 1/8 - 1/4 (0.173 mi.)	C18	44
ENGELHARD WEST INC Facility Id: 80001778 Status: No Further Action	5510 E LA PALMA AVE	NW 1/2 - 1 (0.697 mi.)	G28	58

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM FIRE STATION Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0605901455	6300 NOHL RANCH	ESE 1/4 - 1/2 (0.347 mi.)	F26	55
ANAHEIM FIRE STATION Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global ID: T0605901455	6300 E NOHL RANCH RD	ESE 1/4 - 1/2 (0.347 mi.)	F27	56

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-4836 Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Preliminary site assessment underway Global ID: T0605902240	400	E 0 - 1/8 (0.069 mi.)	B8	18
TEXACO (61-106-444) Database: LUST, Date of Government Version: 03/12/2018	400 S ANAHEIM HILLS	E 0 - 1/8 (0.081 mi.)	B13	30

EXECUTIVE SUMMARY

Status: Completed - Case Closed
Global Id: T0605902240

U.S. POSTAL, ANAHEIM Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0605901917	5505 SANTA ANA CANYO	WNW 1/4 - 1/2 (0.295 mi.)	E22	51
U.S. POSTAL, ANAHEIM Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T0605901917	5505 E SANTA ANA CAN	WNW 1/4 - 1/2 (0.304 mi.)	E24	53

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there are 2 SLIC sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CANYON CLEANERS	5566 EAST SANTA ANA	NW 1/8 - 1/4 (0.173 mi.)	C18	44
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Database: SLIC, Date of Government Version: 03/12/2018 Facility Status: Completed - Case Closed Facility Status: Closed Global Id: SL208303885				
CROWN HARDWARE/FORME	5765-C EAST SANTA AN	NNW 1/4 - 1/2 (0.310 mi.)	25	54
Database: SLIC, Date of Government Version: 03/12/2018 Facility Status: Open - Active Global Id: T10000009073				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM HILLS TEXACO	400 S ANAHEIM HILLS	E 0 - 1/8 (0.081 mi.)	B11	27
Database: UST, Date of Government Version: 03/12/2018 Facility Id: 424 Facility Id: 30-011-000023				

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TEXACO (61-106-444) Status: A Tank Status: A Comp Number: 2430	400 S ANAHEIM HILLS	E 0 - 1/8 (0.081 mi.)	B13	30

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TEXACO (61-106-444)	400 S ANAHEIM HILLS	E 0 - 1/8 (0.081 mi.)	B13	30

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TEXACO (61-106-444) Facility Id: 30012562 Status: A	400 S ANAHEIM HILLS	E 0 - 1/8 (0.081 mi.)	B13	30

Other Ascertainable Records

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 12/01/2017 has revealed that there are 4 DRYCLEANERS sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM HILLS CLEANE EPA Id: CAD981579923	456 ANAHEIM HILLS RD	E 0 - 1/8 (0.016 mi.)	A3	9
GREEN CLEAN INVESTME EPA Id: CAL000283571 EPA Id: CAL000345615 EPA Id: CAL000354230 EPA Id: CAL000420315	5566 E SANTA ANA CAN	NW 1/8 - 1/4 (0.173 mi.)	C17	42
HILLSIDE CLEANERS EPA Id: CAL000298879	5565 E SANTA ANA CAN	NW 1/8 - 1/4 (0.232 mi.)	D20	49
HILLSIDE CLEANERS EPA Id: CAC002823416	5565 E SANTA ANA CAN	NW 1/8 - 1/4 (0.232 mi.)	D21	49

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2016 has revealed that there are 2 HAZNET sites within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KRISTEN EVANS GEPaid: CAC002852858	277 S HILLCREST ST	0 - 1/8 (0.000 mi.)	1	8
ORANGE USD CANYON HI GEPaid: CAC002601641	260 S IMPERIAL HWY	0 - 1/8 (0.000 mi.)	2	8

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM FIRE STATION Reg Id: 083001951T	6300 NOHL RANCH	ESE 1/4 - 1/2 (0.347 mi.)	F26	55
Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-4836 Reg Id: 083002683T Reg Id: 083002279T Reg Id: 083002894T Reg Id: 083003350T	400	E 0 - 1/8 (0.069 mi.)	B8	18
U S POST OFFICE/ANAH	5505 SANTA ANA CANYO	WNW 1/4 - 1/2 (0.295 mi.)	E23	52

EXECUTIVE SUMMARY

Reg Id: 083002782T

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 02/20/2018 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ENGELHARD WEST INC EPA Id: CAT000612150 Cleanup Status: CLOSED	5510 E LA PALMA AVE	NW 1/2 - 1 (0.697 mi.)	G28	58

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WAREH NAZIH	512 S GOLDENSKY LN	SSE 0 - 1/8 (0.112 mi.)	14	34
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM HILLS TEXACO	400 S ANAHEIM HILLS	E 0 - 1/8 (0.069 mi.)	B7	17
TEXACO ANAHEIM HILLS	380 ANAHEIM HILLS RO	E 0 - 1/8 (0.080 mi.)	B10	27

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist

EXECUTIVE SUMMARY

Cleaner site within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM HILLS CLEANER	456 S ANAHEIM HILLS	E 0 - 1/8 (0.016 mi.)	A4	13

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

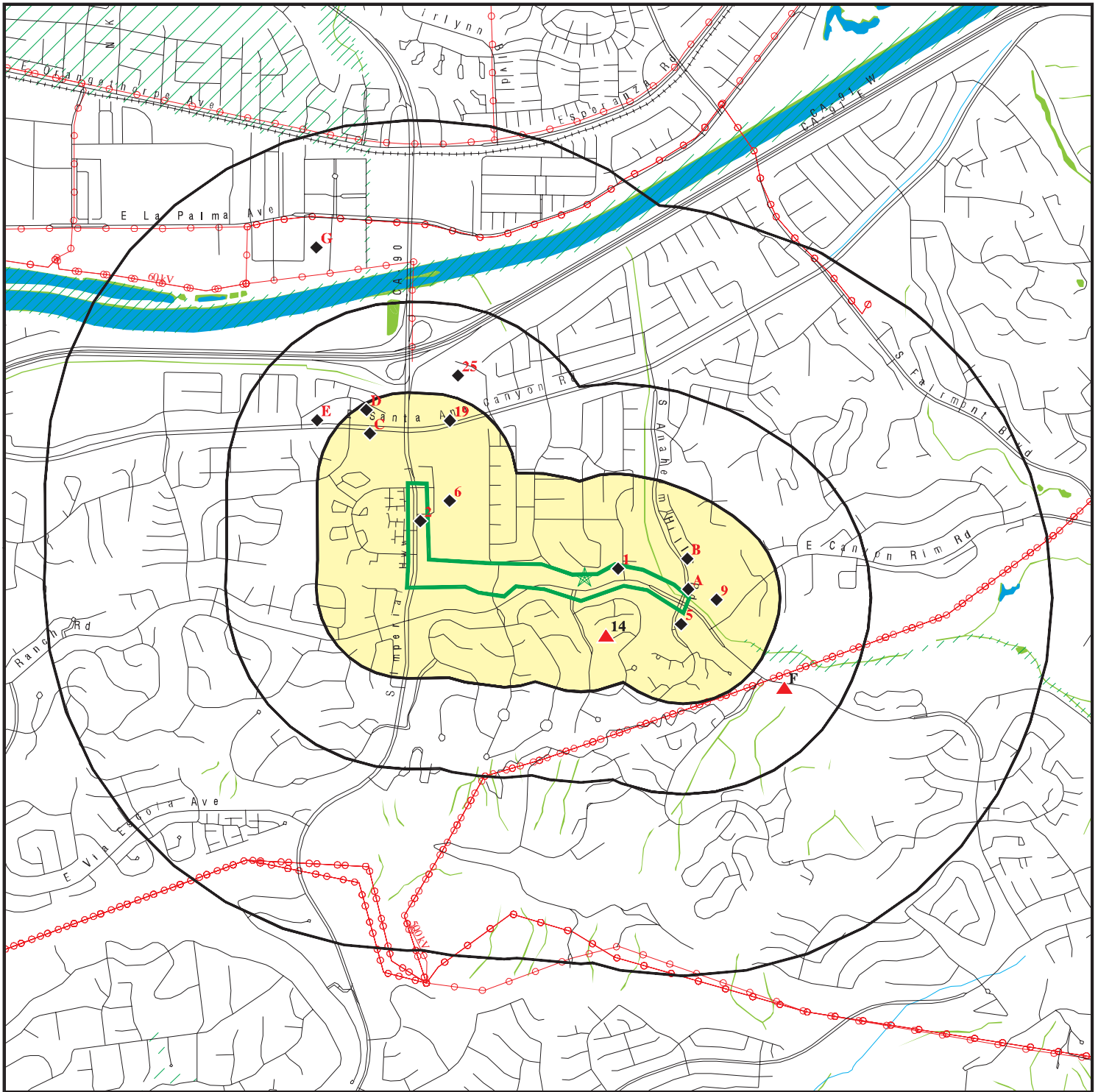
Site Name

CANYON CLEANERS
NORTH YORBA LINDA ESTATES

Database(s)

SEMS-ARCHIVE, RCRA-SQG
ENVIROSTOR

OVERVIEW MAP - 5253892.2S



Target Property

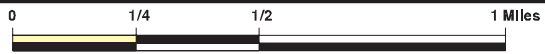
Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern

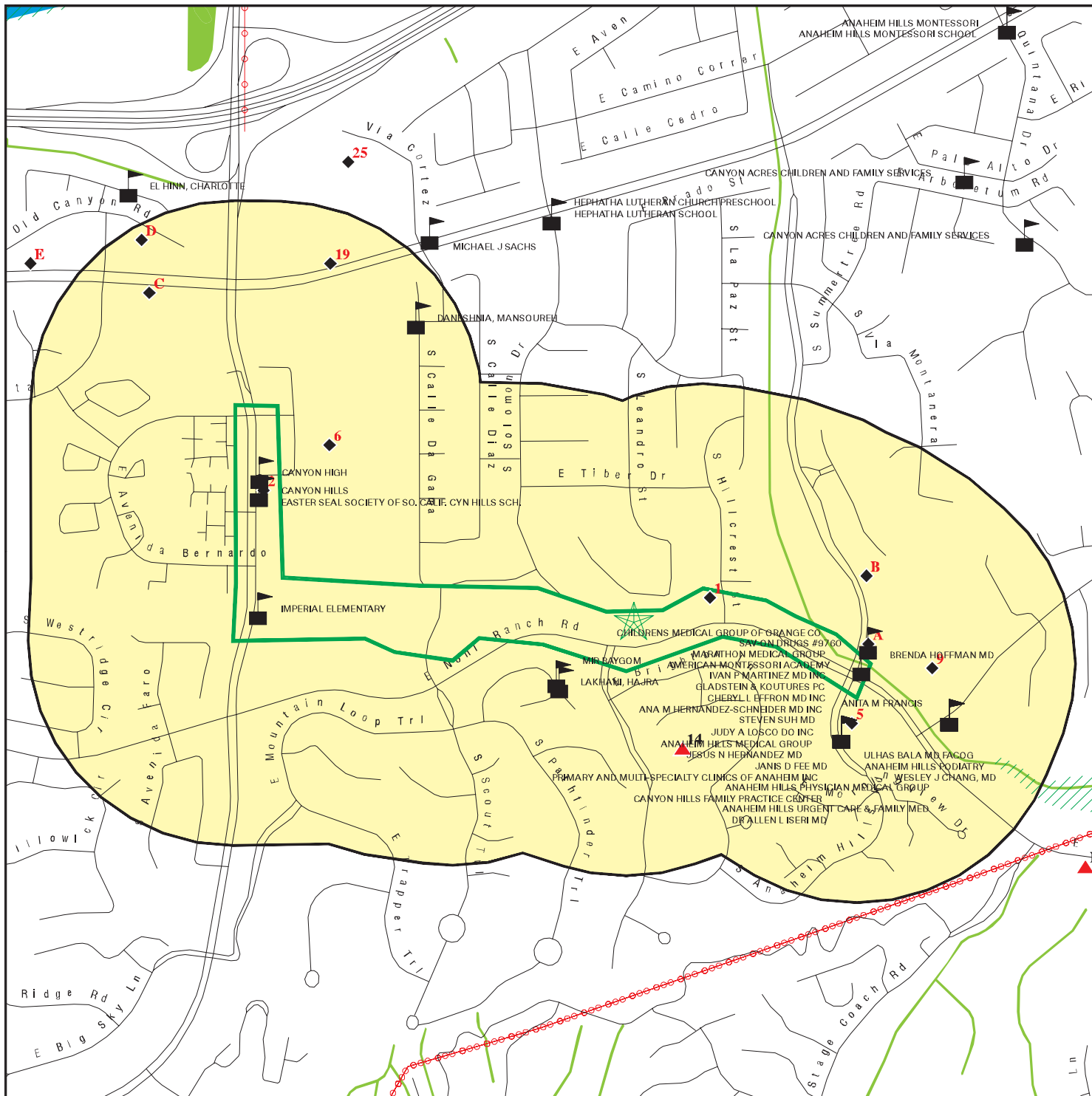


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim CA 92807
 LAT/LONG: 33.845365 / 117.782051

CLIENT: LSA Associates
 CONTACT: Shelby Cramton
 INQUIRY #: 5253892.2s
 DATE: April 10, 2018 8:53 pm

DETAIL MAP - 5253892.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

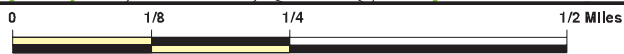
100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim CA 92807
 LAT/LONG: 33.845365 / 117.782051

CLIENT: LSA Associates
 CONTACT: Shelby Cramton
 INQUIRY #: 5253892.2s
 DATE: April 10, 2018 8:56 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		4	1	NR	NR	NR	5
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	1	0	1	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		2	0	4	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	1	1	NR	NR	2
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		1	0	NR	NR	NR	1
CA FID UST	0.250		1	0	NR	NR	NR	1
<i>Local Land Records</i>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
Orange Co. Industrial Site	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		1	3	NR	NR	NR	4
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HAZNET	0.001		2	NR	NR	NR	NR	2
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	2	NR	NR	3
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	19	8	7	3	0	37
-------------	--	---	----	---	---	---	---	----

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1 **KRISTEN EVANS**
277 S HILLCREST ST
ANAHEIM, CA 92807

< 1/8
 1 ft.

HAZNET **S120994110**
 N/A

Relative:
Lower
Actual:
458 ft.

HAZNET:
 envid: S120994110
 Year: 2016
 GEPAID: CAC002852858
 Contact: KRISTEN EVANS
 Telephone: 7149313318
 Mailing Name: Not reported
 Mailing Address: 277 S HILLCREST ST
 Mailing City,St,Zip: ANAHEIM, CA 928073922
 Gen County: Orange
 TSD EPA ID: AZC950823111
 TSD County: 99
 Waste Category: Asbestos containing waste
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 0.23
 Cat Decode: Asbestos containing waste
 Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Facility County: Orange

2 **ORANGE USD CANYON HILLS ELEMENTARY SCHOOL**
260 S IMPERIAL HWY
ANAHEIM, CA 92807

< 1/8
 1 ft.

HAZNET **S112952222**
 N/A

Relative:
Lower
Actual:
367 ft.

HAZNET:
 envid: S112952222
 Year: 2006
 GEPAID: CAC002601641
 Contact: STEVE HARLING/MAINT SUPERVSR
 Telephone: 7149976378
 Mailing Name: Not reported
 Mailing Address: 726 W COLLINS AVE
 Mailing City,St,Zip: ORANGE, CA 928675514
 Gen County: Not reported
 TSD EPA ID: CAD982444481
 TSD County: Not reported
 Waste Category: Other inorganic solid waste
 Disposal Method: Recycler
 Tons: 0.75
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Orange

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
East
< 1/8
0.016 mi.
87 ft.

ANAHEIM HILLS CLEANERS
456 ANAHEIM HILLS RD
ANAHEIM, CA 92807

Site 1 of 2 in cluster A

RCRA-SQG 1000240280
FINDS CAD981579923
ECHO
DRYCLEANERS
EMI
HAZNET

Relative:
Lower

RCRA-SQG:

Actual:
403 ft.

Date form received by agency: 09/01/1996
Facility name: ANAHEIM HILLS CLEANERS
Facility address: 456 ANAHEIM HILLS RD
ANAHEIM, CA 92807

EPA ID: CAD981579923
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RAY MAMELLI OWNER
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM HILLS CLEANERS (Continued)

1000240280

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/21/1986
Site name: ANAHEIM HILLS CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002722055

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000240280
Registry ID: 110002722055
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002722055>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM HILLS CLEANERS (Continued)

1000240280

DRYCLEANERS:

EPA Id: CAD981579923
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 04/10/1987
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: SOO H/CHUNG S KIM
Owner Address: 456 S ANAHEIM HILLS RD
Owner Address 2: Not reported
Owner Telephone: 7146374991
Contact Name: SOO H/CHUNG S KIM
Contact Address: 456 S ANAHEIM HILLS RD
Contact Address 2: Not reported
Contact Telephone: 7146374991
Mailing Name: Not reported
Mailing Address 1: 456 S ANAHEIM HILLS RD
Mailing Address 2: Not reported
Mailing City: ANAHEIM
Mailing State: CA
Mailing Zip: 928074241
Owner Fax: 0000000000
Region Code: 4

EMI:

Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 49338
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 49338
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM HILLS CLEANERS (Continued)

1000240280

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HAZNET:

envid: 1000240280
Year: 2008
GEPaid: CAD981579923
Contact: SOO H/CHUNG S KIM
Telephone: 7146374991
Mailing Name: Not reported
Mailing Address: 456 S ANAHEIM HILLS RD
Mailing City,St,Zip: ANAHEIM, CA 928074241
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.1
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1000240280
Year: 2007
GEPaid: CAD981579923
Contact: SOO H/CHUNG S KIM
Telephone: 7146374991
Mailing Name: Not reported
Mailing Address: 456 S ANAHEIM HILLS RD
Mailing City,St,Zip: ANAHEIM, CA 928074241
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.24
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1000240280
Year: 2007
GEPaid: CAD981579923
Contact: SOO H/CHUNG S KIM
Telephone: 7146374991
Mailing Name: Not reported
Mailing Address: 456 S ANAHEIM HILLS RD
Mailing City,St,Zip: ANAHEIM, CA 928074241
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANAHEIM HILLS CLEANERS (Continued)

1000240280

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: Not reported
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Orange

envid: 1000240280
 Year: 2006
 GEPAID: CAD981579923
 Contact: SOO H/CHUNG S KIM
 Telephone: 7146374991
 Mailing Name: Not reported
 Mailing Address: 456 S ANAHEIM HILLS RD
 Mailing City,St,Zip: ANAHEIM, CA 928074241
 Gen County: Not reported
 TSD EPA ID: CAT000613893
 TSD County: Not reported
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.07
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Orange

envid: 1000240280
 Year: 2006
 GEPAID: CAD981579923
 Contact: SOO H/CHUNG S KIM
 Telephone: 7146374991
 Mailing Name: Not reported
 Mailing Address: 456 S ANAHEIM HILLS RD
 Mailing City,St,Zip: ANAHEIM, CA 928074241
 Gen County: Not reported
 TSD EPA ID: CAT000613893
 TSD County: Not reported
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.1
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access
 18 additional CA_HAZNET: record(s) in the EDR Site Report.

A4
East
< 1/8
0.016 mi.
87 ft.

ANAHEIM HILLS CLEANERS
456 S ANAHEIM HILLS RD
ANAHEIM, CA 92807
Site 2 of 2 in cluster A

EDR Hist Cleaner 1018736611
N/A

Relative:
Lower

EDR Hist Cleaner

Actual:
403 ft.

Year:	Name:	Type:
1982	ROYMA INC	Drycleaning Plants, Except Rugs
1983	ROYMA INC	Drycleaning Plants, Except Rugs
1985	ROYMA INC	Drycleaning Plants, Except Rugs

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANAHEIM HILLS CLEANERS (Continued)

1018736611

1986	ROYMA INC	Drycleaning Plants, Except Rugs
1987	ROYMA INC	Drycleaning Plants, Except Rugs
1988	ROYMA INC	Drycleaning Plants, Except Rugs
1989	ROYMA INC	Drycleaning Plants, Except Rugs
1990	ROYMA INC	Drycleaning Plants, Except Rugs
1991	ROYMA INC	Drycleaning Plants, Except Rugs
1992	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
1993	LEE UNG	Drycleaning Plants, Except Rugs
1994	LEE UNG	Drycleaning Plants, Except Rugs
1995	LEE UNG	Drycleaning Plants, Except Rugs
1996	LEE UNG	Drycleaning Plants, Except Rugs
1997	LEE UNG	Drycleaning Plants, Except Rugs
1998	LEE UNG	Drycleaning Plants, Except Rugs
1999	LEE UNG	Drycleaning Plants, Except Rugs
2000	LEE UNG	Drycleaning Plants, Except Rugs
2001	LEE UNG	Drycleaning Plants, Except Rugs
2002	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2003	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2004	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2005	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2006	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2007	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2008	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2009	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2010	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2011	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2012	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2013	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs
2014	ANAHEIM HILLS CLEANERS	Drycleaning Plants, Except Rugs

5
ESE
 < 1/8
 0.032 mi.
 168 ft.

A ESRIG M SOROUDI S LYLE MDS
500 S ANAHEIM HILLS RD STE 120
ANAHEIM, CA 92807

RCRA-SQG 1000685783
FINDS CAD983624370
ECHO

Relative:
Lower

RCRA-SQG:

Actual:
444 ft.

Date form received by agency: 03/24/1992
 Facility name: A ESRIG M SOROUDI S LYLE MDS
 Facility address: 500 S ANAHEIM HILLS RD STE 120
 ANAHEIM, CA 92807
 EPA ID: CAD983624370
 Mailing address: S ANAHEIM HILLS RD STE 120
 ANAHEIM, CA 92807
 Contact: CYNTHIA JACOBY
 Contact address: 500 S ANAHEIM HILLS RD STE 120
 ANAHEIM, CA 92807
 Contact country: US
 Contact telephone: 714-974-0730
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A ESRIG M SOROUDI S LYLE MDS (Continued)

1000685783

Owner/Operator Summary:

Owner/operator name: ANAHEIM HILLS DEVELOPMENT CO
Owner/operator address: 500 S ANAHEIM HILLS RD STE 138
ANAHEIM, CA 92807
Owner/operator country: Not reported
Owner/operator telephone: 714-998-5121
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002871624

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000685783
Registry ID: 110002871624
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002871624>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

6
WNW
< 1/8
0.062 mi.
328 ft.

ORANGE USD CANYON HIGH
220 S IMPERIAL HWY
ANAHEIM, CA 92807

RCRA-SQG 1000315121
FINDS CAD981430481
ECHO

Relative:
Lower

RCRA-SQG:

Actual:
359 ft.

Date form received by agency: 06/24/1986
Facility name: ORANGE USD CANYON HIGH
Facility address: 220 S IMPERIAL HWY
ANAHEIM, CA 92807
EPA ID: CAD981430481
Mailing address: 370 N GLASSELL ST
ORANGE, CA 92666
Contact: ENVIRONMENTAL MANAGER
Contact address: 220 S IMPERIAL HWY
ANAHEIM, CA 92807
Contact country: US
Contact telephone: 714-974-4580
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ORANGE USD
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ORANGE USD CANYON HIGH (Continued)

1000315121

Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002702781

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000315121
 Registry ID: 110002702781
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002702781>

B7
East
< 1/8
0.069 mi.
363 ft.

ANAHEIM HILLS TEXACO
400 S ANAHEIM HILLS RD
ANAHEIM, CA 92807

EDR Hist Auto 1020561899
N/A

Site 1 of 6 in cluster B

Relative: EDR Hist Auto
Lower

Actual:
394 ft.

Year:	Name:	Type:
1980	ANAHEIM HILLS TEXACO	Gasoline Service Stations
1982	ANAHEIM HILLS TEXACO	Gasoline Service Stations
1983	ANAHEIM HILLS TEXACO	Gasoline Service Stations
1985	ANAHEIM HILLS TEXACO	Gasoline Service Stations
1986	ANAHEIM HILLS TEXACO	Gasoline Service Stations
1987	ANAHEIM HILLS TEXACO	Gasoline Service Stations
1988	ANAHEIM HILLS TEXACO	Gasoline Service Stations
1989	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1990	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1991	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1992	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1993	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANAHEIM HILLS TEXACO (Continued)

1020561899

1994	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1995	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1996	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1997	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1998	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
1999	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
2000	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
2001	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
2002	ANAHEIM HILLS TEXACO	Gasoline Service Stations, NEC
2003	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2004	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2005	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2006	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2007	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2008	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2009	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2010	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2011	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2012	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2013	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC
2014	ANAHEIM HILLS SHELL	Gasoline Service Stations, NEC

B8
East
< 1/8
0.069 mi.
363 ft.

CHEVRON #9-4836
400
ANAHEIM, CA 92807
Site 2 of 6 in cluster B

LUST **S104745729**
HIST CORTESE **N/A**

Relative:
Lower
Actual:
394 ft.

LUST REG 8:
 Region: 8
 County: Orange
 Regional Board: Santa Ana Region
 Facility Status: Preliminary site assessment underway
 Case Number: 083003350T
 Local Case Num: Not reported
 Case Type: Aquifer affected
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: Not reported
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: Not reported
 How Discovered: Not reported
 How Stopped: Not reported
 Leak Cause: Not reported
 Leak Source: Not reported
 Global ID: T0605902240
 How Stopped Date: Not reported
 Enter Date: 3/12/1999
 Date Confirmation of Leak Began: 1/21/1999
 Date Preliminary Assessment Began: 8/4/2003
 Discover Date: 11/11/1998
 Enforcement Date: Not reported
 Close Date: Not reported
 Date Prelim Assessment Workplan Submitted: 10/30/2002
 Date Pollution Characterization Began: 9/10/1999
 Date Remediation Plan Submitted: Not reported
 Date Remedial Action Underway: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-4836 (Continued)

S104745729

Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/12/1999
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.84505921
Longitude:	-117.7767875
MTBE Date:	7/15/1999
Max MTBE GW:	3500
MTBE Concentration:	4
Max MTBE Soil:	4300
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	C
Staff:	TME
Staff Initials:	SW
Lead Agency:	Local Agency
Local Agency:	30011
Hydr Basin #:	UNNAMED BASIN
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002683T

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002279T

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002894T

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083003350T

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

9
 East
 < 1/8
 0.075 mi.
 398 ft.

CVS PHARMACY #9760
460 S ANAHEIM HILLS RD
ANAHEIM HILLS, CA 92807

RCRA-LQG 1016140230
FINDS CAR000238550
ECHO

Relative:
Lower

RCRA-LQG:

Actual:
413 ft.

Date form received by agency: 08/30/2016
 Facility name: CVS PHARMACY #9760
 Facility address: 460 SOUTH ANAHEIM HILLS RD
 ANAHEIM HILLS, CA 92807
 EPA ID: CAR000238550
 Mailing address: CVS DR
 MAIL DROP 23062A
 WOONSOCKET, RI 02895
 Contact: NICOLE WILKINSON
 Contact address: CVS DR MAIL CODE 2340
 WOONSOCKET, RI 02895
 Contact country: US
 Contact telephone: 401-770-7132
 Contact email: NICOLE.WILKINSON@CVSHEALTH.COM
 EPA Region: 09
 Land type: Private
 Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GARFIELD BEACH CVS, L.L.C.
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Owner/operator email: Not reported
 Owner/operator fax: Not reported
 Owner/operator extension: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 06/02/2006
 Owner/Op end date: Not reported

Owner/operator name: ANAHEIM HILLS PLAZA
 Owner/operator address: VALOR DR
 CORONA, CA 92882

Owner/operator country: US
 Owner/operator telephone: Not reported
 Owner/operator email: Not reported
 Owner/operator fax: Not reported
 Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9760 (Continued)

1016140230

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/10/1998
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

- . Waste code: 122
- . Waste name: Alkaline solution without metals (pH > 12.5)

- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics

- . Waste code: 214
- . Waste name: Unspecified solvent mixture

- . Waste code: 311
- . Waste name: Pharmaceutical waste

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: 791
- . Waste name: Liquids with pH < 2

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D024
- . Waste name: M-CRESOL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9760 (Continued)

1016140230

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Historical Generators:

Date form received by agency: 03/25/2014
Site name: CVS PHARMACY #9760
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D004
- . Waste name: ARSENIC

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9760 (Continued)

1016140230

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P188
. Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9760 (Continued)

1016140230

- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE,
8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL]OXY]-
7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR)
DAUNOMYCIN

- . Waste code: U070
- . Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

- . Waste code: U089
- . Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS,
(E)-

- . Waste code: U122
- . Waste name: FORMALDEHYDE

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA,
5ALPHA, 6BETA)- (OR) LINDANE

- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

- . Waste code: U151
- . Waste name: MERCURY

- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U188
- . Waste name: PHENOL

- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID,
11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER,
(3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

- . Waste code: U201
- . Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

- . Waste code: U204
- . Waste name: SELENIUS ACID (OR) SELENIUM DIOXIDE

- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

- . Waste code: U206
- . Waste name: D-GLUCOSE, 2-DEOXY-2-[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9760 (Continued)

1016140230

GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR)
STREPTOZOTOCIN

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

. Waste code: U411
. Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Date form received by agency: 03/27/2013

Site name: CVS PHARMACY NO 9760

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,
WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &
SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)
EPINEPHRINE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &
SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF
LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS
CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE
FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,
WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE
MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT
WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 547

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9760 (Continued)

1016140230

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs):

24

Waste code:

D007

Waste name:

CHROMIUM

Amount (Lbs):

80

Waste code:

D009

Waste name:

MERCURY

Amount (Lbs):

99

Waste code:

D010

Waste name:

SELENIUM

Amount (Lbs):

80

Waste code:

D024

Waste name:

M-CRESOL

Amount (Lbs):

99

Waste code:

P001

Waste name:

2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Amount (Lbs):

23

Waste code:

P075

Waste name:

NICOTINE, & SALTS

Amount (Lbs):

19

Waste code:

U002

Waste name:

ACETONE (I)

Amount (Lbs):

450

Waste code:

U129

Waste name:

CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

Amount (Lbs):

100

Waste code:

U205

Waste name:

SELENIUM SULFIDE

Amount (Lbs):

100

Violation Status:

No violations found

Evaluation Action Summary:

Evaluation date:

11/18/2016

Evaluation:

COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Not reported

Date achieved compliance:

Not reported

Evaluation lead agency:

State

FINDS:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CVS PHARMACY #9760 (Continued)

1016140230

Registry ID: 110055429772

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1016140230
 Registry ID: 110055429772
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110055429772>

B10
 East
 < 1/8
 0.080 mi.
 425 ft.

TEXACO ANAHEIM HILLS INC
380 ANAHEIM HILLS ROAD
ANAHEIM, CA 92807

Site 3 of 6 in cluster B

EDR Hist Auto 1020534800
N/A

Relative:
 Lower

EDR Hist Auto

Actual:
 393 ft.

Year:	Name:	Type:
1989	TEXACO ANAHEIM HILLS INC	Gasoline Service Stations
1990	TEXACO ANAHEIM HILLS INC	Gasoline Service Stations

B11
 East
 < 1/8
 0.081 mi.
 426 ft.

ANAHEIM HILLS TEXACO
400 S ANAHEIM HILLS RD
ANAHEIM, CA 92807

Site 4 of 6 in cluster B

UST U003780747
N/A

Relative:
 Lower

UST:

Facility ID: 30-011-000023
 Permitting Agency: Anaheim City Fire Department
 Latitude: 33.84591
 Longitude: -117.77682

Facility ID: 424
 Permitting Agency: Not reported
 Latitude: 33.8471763
 Longitude: -117.7755245

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B12
East
< 1/8
0.081 mi.
426 ft.

SHELL SERVICE STATION
400 S ANAHEIM HILLS RD
ANAHEIM, CA 92807

RCRA-SQG 1004677111
FINDS CAR000093351
ECHO

Site 5 of 6 in cluster B

Relative:
Lower

RCRA-SQG:

Actual:
401 ft.

Date form received by agency: 02/26/2004
Facility name: SHELL SERVICE STATION
Facility address: 400 S ANAHEIM HILLS RD
SAP #121212
ANAHEIM, CA 92807
EPA ID: CAR000093351
Mailing address: SHELL OIL PRODUCTS US
12700 NORTHBOROUGH DR MFT240G
HOUSTON, TX 77067-2508
Contact: GARY V WING
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 714-731-8337
Contact email: GVWING@SHELLOPUS.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: EQUILON
Owner/operator address: P O BOX 2099
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: 713-241-5036
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: EQUILON ENTERPRISES LLC DBA SHELL OIL PR
Owner/operator address: PO BOX 2648
HOUSTON, TX 77252
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/01/1998
Owner/Op end date: Not reported
Owner/operator name: SHELL OIL PRODUCTS US
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1004677111

Owner/operator country: Not reported
US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/26/2004
Site name: SHELL SERVICE STATION
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 03/15/2001
Site name: TEXACO SERVICE STATION
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110012196836

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1004677111

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004677111
Registry ID: 110012196836
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012196836>

B13
East
< 1/8
0.081 mi.
426 ft.

TEXACO (61-106-444)
400 S ANAHEIM HILLS RD
ANAHEIM, CA 92807

Site 6 of 6 in cluster B

LUST S101589441
SWEEPS UST N/A
HIST UST
CA FID UST

Relative:
Lower
Actual:
401 ft.

LUST:

Lead Agency: ANAHEIM CITY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902240
Global Id: T0605902240
Latitude: 33.84505921
Longitude: -117.7767875
Status: Completed - Case Closed
Status Date: 09/24/2008
Case Worker: ROW
RB Case Number: 083003350T
Local Agency: ANAHEIM CITY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605902240
Contact Type: Local Agency Caseworker
Contact Name: RICHARD O. WILSON
Organization Name: ANAHEIM CITY
Address: 201 S. ANAHEIM BLVD. #601
City: ANAHEIM
Email: dwilson@anaheim.net
Phone Number: Not reported

Global Id: T0605902240
Contact Type: Regional Board Caseworker
Contact Name: TOM E. MBEKE-EKANEM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (61-106-444) (Continued)

S101589441

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: tmbeke-ekanem@waterboards.ca.gov
Phone Number: 9513202007

LUST:

Global Id: T0605902240
Action Type: Other
Date: 11/11/1998
Action: Leak Discovery

Global Id: T0605902240
Action Type: Other
Date: 01/25/1999
Action: Leak Reported

Global Id: T0605902240
Action Type: ENFORCEMENT
Date: 09/24/2008
Action: Closure/No Further Action Letter

LUST:

Global Id: T0605902240
Status: Open - Case Begin Date
Status Date: 11/11/1998

Global Id: T0605902240
Status: Open - Site Assessment
Status Date: 01/21/1999

Global Id: T0605902240
Status: Open - Site Assessment
Status Date: 03/04/1999

Global Id: T0605902240
Status: Open - Site Assessment
Status Date: 09/10/1999

Global Id: T0605902240
Status: Open - Site Assessment
Status Date: 10/30/2002

Global Id: T0605902240
Status: Open - Site Assessment
Status Date: 02/11/2003

Global Id: T0605902240
Status: Open - Site Assessment
Status Date: 03/21/2003

Global Id: T0605902240
Status: Open - Site Assessment
Status Date: 08/04/2003

Global Id: T0605902240

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (61-106-444) (Continued)

S101589441

Status: Open - Remediation
Status Date: 12/08/2005

Global Id: T0605902240
Status: Completed - Case Closed
Status Date: 09/24/2008

SWEEPS UST:

Status: Active
Comp Number: 2430
Number: 1
Board Of Equalization: 44-000217
Referral Date: 07-17-92
Action Date: 07-17-92
Created Date: 12-31-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-011-002430-000001
Tank Status: A
Capacity: 8000
Active Date: 07-17-92
Tank Use: M. V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: Active
Comp Number: 2430
Number: 1
Board Of Equalization: 44-000217
Referral Date: 07-17-92
Action Date: 07-17-92
Created Date: 12-31-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-011-002430-000003
Tank Status: A
Capacity: 8000
Active Date: 07-17-92
Tank Use: M. V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2430
Number: 1
Board Of Equalization: 44-000217
Referral Date: 07-17-92
Action Date: 07-17-92
Created Date: 12-31-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-011-002430-000004
Tank Status: A
Capacity: 550
Active Date: 07-17-92
Tank Use: OIL
STG: W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (61-106-444) (Continued)

S101589441

Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 2430
Number: 1
Board Of Equalization: 44-000217
Referral Date: 07-17-92
Action Date: 07-17-92
Created Date: 12-31-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-011-002430-000005
Tank Status: A
Capacity: 8000
Active Date: 07-17-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2430
Number: 1
Board Of Equalization: 44-000217
Referral Date: 07-17-92
Action Date: 07-17-92
Created Date: 12-31-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-011-002430-000006
Tank Status: A
Capacity: 10000
Active Date: 07-17-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:

File Number: 0002EEED
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EEED.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TEXACO (61-106-444) (Continued)

S101589441

Container Construction Thickness: Not reported
 Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID: 30012562
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 7149983501
 Mail To: Not reported
 Mailing Address: 3631 HARBOR BLVD
 Mailing Address 2: Not reported
 Mailing City, St, Zip: ANAHEIM 92807
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

14
SSE
 < 1/8
 0.112 mi.
 592 ft.

WAREH NAZIH
512 S GOLDENSKY LN
ANAHEIM, CA 92804

EDR Hist Auto 1020728686
N/A

Relative:
Higher

EDR Hist Auto

Actual:
604 ft.

Year:	Name:	Type:
1986	WAREH NAZIH	Gasoline Service Stations
1987	WAREH NAZIH	Gasoline Service Stations
1988	WAREH NAZIH	Gasoline Service Stations

C15
NW
 1/8-1/4
 0.170 mi.
 899 ft.

RITE AID #5770
5560 E SANTA ANA CANYON RD
ANAHEIM, CA 92807

RCRA-CESQG 1014387752
CAR000213249

Relative:
Lower

RCRA-CESQG:

Actual:
331 ft.

Date form received by agency: 04/14/2017
 Facility name: RITE AID #5770
 Facility address: 5560 E SANTA ANA CANYON RD
 ANAHEIM, CA 928070000
 EPA ID: CAR000213249
 Mailing address: HUNTER LN
 CAMP HILL, PA 17011
 Contact: DAVID W CROZIER
 Contact address: HUNTER LN
 CAMP HILL, PA 17011
 Contact country: US
 Contact telephone: (717) 975-8643

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5770 (Continued)

1014387752

Contact email: EHS@RITEAID.COM
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: MANN ENTERPRISES INC
Owner/operator address: OTHELLO AVE
SAN DIEGO, CA 92111
Owner/operator country: US
Owner/operator telephone: (858) 495-4900
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/09/1973
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP
Owner/operator address: 30 HUNTER LN
CAMP HILL, PA 17011
Owner/operator country: US
Owner/operator telephone: 717-730-8225
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/1962
Owner/Op end date: Not reported

Owner/operator name: THRIFTY PAYLESS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/04/1997
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5770 (Continued)

1014387752

Owner/operator name: RITE AID CORP
Owner/operator address: 30 HUNTER LN
CAMP HILL, PA 17011
Owner/operator country: US
Owner/operator telephone: 717-730-8225
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/1962
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

- . Waste code: 122
- . Waste name: Alkaline solution without metals (pH > 12.5)

- . Waste code: 131
- . Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics

- . Waste code: 214
- . Waste name: Unspecified solvent mixture

- . Waste code: 223
- . Waste name: Unspecified oil-containing waste

- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's

- . Waste code: 291
- . Waste name: Latex waste

- . Waste code: 311
- . Waste name: Pharmaceutical waste

- . Waste code: 331

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5770 (Continued)

1014387752

. Waste name:	Off-specification, aged, or surplus organics
. Waste code:	343
. Waste name:	Unspecified organic liquid mixture
. Waste code:	352
. Waste name:	Other organic solids
. Waste code:	541
. Waste name:	Photochemicals / photo processing waste
. Waste code:	561
. Waste name:	Detergent and soap
. Waste code:	791
. Waste name:	Liquids with pH < 2
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	P001
. Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
. Waste code:	P075
. Waste name:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
. Waste code:	U165
. Waste name:	NAPHTHALENE
. Waste code:	U188
. Waste name:	PHENOL
. Waste code:	U279

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5770 (Continued)

1014387752

. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Historical Generators:

Date form received by agency: 08/05/2014

Site name: RITE AID NO 5770

Classification: Large Quantity Generator

. Waste code: 131

. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141

. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214

. Waste name: Unspecified solvent mixture

. Waste code: 232

. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 311

. Waste name: Pharmaceutical waste

. Waste code: 791

. Waste name: Liquids with pH < 2

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D009

. Waste name: MERCURY

. Waste code: D010

. Waste name: SELENIUM

. Waste code: D011

. Waste name: SILVER

. Waste code: D024

. Waste name: M-CRESOL

. Waste code: D026

. Waste name: CRESOL

. Waste code: P001

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5770 (Continued)

1014387752

. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS

Date form received by agency: 09/08/2010
Site name: RITE AID 5770
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Violation Status: No violations found

**C16
NW
1/8-1/4
0.170 mi.
899 ft.**

**RITE AID #5770
5560 E SANTA ANA CANYON RD
ANAHEIM, CA 92807**

**RCRA-LQG 1016954794
CAL000380028**

Site 2 of 4 in cluster C

**Relative:
Lower
Actual:
331 ft.**

RCRA-LQG:
Date form received by agency: 03/01/2014
Facility name: RITE AID #5770
Facility address: 5560 E SANTA ANA CANYON RD
ANAHEIM, CA 92807
EPA ID: CAL000380028
Mailing address: HUNTER LN
CAMP HILL, PA 17011
Contact: STEPHANIE A CAIATI
Contact address: HUNTER LN
CAMP HILL, PA 17011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5770 (Continued)

1016954794

Contact country: Not reported
Contact telephone: 717-763-8225
Contact email: SSCAIATI@RITEAID.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: THRIFTY PAYLESS
Owner/operator address: HUNTER LN
CAMP HILL, PA 17011
Owner/operator country: Not reported
Owner/operator telephone: 717-761-2633
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/04/1997
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/14/1997
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5770 (Continued)

1016954794

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 232
. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RITE AID #5770 (Continued)

1016954794

SALTS

. Waste code: U034
 . Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
 Violation Status: No violations found

**C17
 NW
 1/8-1/4
 0.173 mi.
 912 ft.**

**GREEN CLEAN INVESTMENT
 5566 E SANTA ANA CANYON RD
 ANAHEIM, CA 92807**

**DRYCLEANERS S106661472
 N/A**

Site 3 of 4 in cluster C

**Relative:
 Lower
 Actual:
 331 ft.**

DRYCLEANERS:
 EPA Id: CAL000283571
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 06/29/2004
 Facility Active: No
 Inactive Date: 06/30/2010
 Facility Addr2: Not reported
 Owner Name: GREEN CLEAN INVESTMENT
 Owner Address: 1730 S CLEMENTINE ST
 Owner Address 2: Not reported
 Owner Telephone: 7149913200
 Contact Name: NAS ALTAHER
 Contact Address: 1730 S CLEMENTINE ST
 Contact Address 2: Not reported
 Contact Telephone: 7149913200
 Mailing Name: Not reported
 Mailing Address 1: 1730 S CLEMENTINE ST
 Mailing Address 2: Not reported
 Mailing City: ANAHEIM
 Mailing State: CA
 Mailing Zip: 928022902
 Owner Fax: 0000000000
 Region Code: 4

EPA Id: CAL000345615
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 08/10/2009
 Facility Active: No
 Inactive Date: 06/30/2010
 Facility Addr2: Not reported
 Owner Name: YOUNG HWAN CHANG
 Owner Address: 18 NEW HAMPSHIRE
 Owner Address 2: Not reported
 Owner Telephone: 9496773154
 Contact Name: YOUNG CHANG
 Contact Address: 5566 E SANTA ANA CANYON RD
 Contact Address 2: Not reported
 Contact Telephone: 7146850130
 Mailing Name: Not reported
 Mailing Address 1: 5566 E SANTA ANA CANYON RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GREEN CLEAN INVESTMENT (Continued)

S106661472

Mailing Address 2: Not reported
Mailing City: ANAHEIM
Mailing State: CA
Mailing Zip: 928073124
Owner Fax: 0000000000
Region Code: 4

EPA Id: CAL000354230
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 06/30/2010
Facility Active: No
Inactive Date: 06/30/2014
Facility Addr2: Not reported
Owner Name: JEONG HEON LEE
Owner Address: 1755 ANO NUEVO DR
Owner Address 2: Not reported
Owner Telephone: 9093272025
Contact Name: JEONG HEON LEE
Contact Address: 5566 E SANTA ANA CANYON RD
Contact Address 2: Not reported
Contact Telephone: 7146850130
Mailing Name: Not reported
Mailing Address 1: 5566 E SANTA ANA CANYON RD
Mailing Address 2: Not reported
Mailing City: ANAHEIM
Mailing State: CA
Mailing Zip: 928073124
Owner Fax: 0000000000
Region Code: 4

EPA Id: CAL000420315
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 09/21/2016
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: ZOYO LLC
Owner Address: 1751 E GARRY AVE
Owner Address 2: Not reported
Owner Telephone: 7146752000
Contact Name: AMIT PATEL
Contact Address: 15 CHERRY SOUTH
Contact Address 2: Not reported
Contact Telephone: 7146752000
Mailing Name: Not reported
Mailing Address 1: 5566 E SANTA ANA CANYON RD
Mailing Address 2: Not reported
Mailing City: ANAHEIM
Mailing State: CA
Mailing Zip: 92807
Owner Fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GREEN CLEAN INVESTMENT (Continued)

S106661472

Region Code: 4

**C18
NW
1/8-1/4
0.173 mi.
912 ft.**

**CANYON CLEANERS
5566 EAST SANTA ANA CANYON ROAD
ANAHEIM HILLS, CA 92807**

**ENVIROSTOR S101481489
SLIC N/A
CHMIRS**

Site 4 of 4 in cluster C

**Relative:
Lower
Actual:
331 ft.**

ENVIROSTOR:
Facility ID: 30890001
Status: Refer: RWQCB
Status Date: 10/06/1998
Site Code: 400568
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: * Harlan Jeché
Division Branch: Cleanup Cypress
Assembly: 68
Senate: 37
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.85166
Longitude: -117.7977
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CANYON CLEANERS
Alias Type: Alternate Name
Alias Name: CAD9815800046
Alias Type: EPA Identification Number
Alias Name: 400568
Alias Type: Project Code (Site Code)
Alias Name: 30890001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/22/1996
Comments: DTSC completed and submitted the PA Report for U.S. EPA review and approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/26/1995
Comments: Site was identified from a non-emergency release report dated 11-16-94. Soil at the site is contaminated with PCE from the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANYON CLEANERS (Continued)

S101481489

drycleaning operations. Site characterization is ongoing. Due to evidence of a release the Department is requiring a PEA. A letter of notification has been sent to the agent.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 01/18/2000
Global Id: SL208303885
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.8503252994865
Longitude: -117.792459726334
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: SL208303885
File Location: Regional Board
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Project site closed. No Further Action Letter issued in late 1999.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 8:

Type: Soil and Groundwater
Facility Status: Closed
Staff: WDM
Substance: PCE
Lead Agency: Regional Board
Location Code: A-30
Thomas Bros Code: 770-E2

CHMIRS:

OES Incident Number: 816
OES notification: Not reported
OES Date: 12/23/1994
OES Time: 10:33:59 AM
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANYON CLEANERS (Continued)

S101481489

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	SANTA ANA RIVER 2700 FT. N OF SITE
Spill Site:	Not reported
Cleanup By:	ASSESSMENT IN PROCESS
Containment:	Not reported
What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	O'MELVENY AND MEYERS
Incident Date:	NOV. 16, 94
Admin Agency:	Not reported
Amount:	UNKNOWN
Contained:	Not reported
Site Type:	RD
E Date:	Not reported
Substance:	PCE CAS# RN127184
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	NOT SURE, INVESTIGATING . SUSPECT LEAK FROM DRY CLEANING BUSINESS ON SITE. ABOVE TIME NOT ACTUAL DATE; TIME OF PRELIMINARY REPORT RECEIVED BY REPORTING PARTY. THEY DON'T KNOW IF THERE ARE ANY WATERWAYS INVOLVED HOWEVER, CLOSEST RIVER I

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

19
NW
1/8-1/4
0.185 mi.
979 ft.

CANYON PLAZA CLEANERS
5765 F SANTA ANA CANYON RD
ANAHEIM HILLS, CA 92807

RCRA-SQG 1001959891
FINDS CAR000065847
ECHO
HAZNET

Relative:
Lower

RCRA-SQG:

Actual:
322 ft.

Date form received by agency: 02/14/2000
Facility name: CANYON PLAZA CLEANERS
Facility address: 5765 F SANTA ANA CANYON RD
ANAHEIM HILLS, CA 92807
EPA ID: CAR000065847
Mailing address: 5769 SANTA ANA CANYON RD
ANAHEIM HILLS, CA 92807
Contact: GUSTAVO VALDIVIA
Contact address: 3611 S HARBOR BLVD STE 260
SANTA ANA, CA 92704
Contact country: US
Contact telephone: 714-431-4100
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RON FIELDS
Owner/operator address: 5769 SANTA ANA CANYON RD
ANAHEIM HILLS, CA 92807
Owner/operator country: Not reported
Owner/operator telephone: 714-998-2525
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANYON PLAZA CLEANERS (Continued)

1001959891

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 02/14/2000
Site name: CANYON PLAZA CLEANERS
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002932809

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1001959891
Registry ID: 110002932809
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002932809>

HAZNET:

envid: 1001959891
Year: 2000
GEPaid: CAR000065847
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 5765 F SANTA ANA CANYON RD
Mailing City, St, Zip: ANAHEIM HILLS, CA 928070000
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 215.75
Cat Decode: Not reported
Method Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANYON PLAZA CLEANERS (Continued)

1001959891

Facility County: Orange

**D20
NW
1/8-1/4
0.232 mi.
1225 ft.**

**HILLSIDE CLEANERS
5565 E SANTA ANA CANYON RD
ANAHEIM, CA 92807**

**Orange Co. Industrial Site
DRYCLEANERS**

**S103619042
N/A**

Site 1 of 2 in cluster D

**Relative:
Lower
Actual:
320 ft.**

Orange Co. Industrial Site:
Case ID: 98IC042
Record ID: RO0000674
Current Status: CLOSED 9/22/1999
Closure Type: Closure certification issued
Released Chemical: PERCHLOROETHYLENE; TRICHLOROETHYLENE

DRYCLEANERS:

EPA Id: CAL000298879
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 09/27/2005
Facility Active: No
Inactive Date: 06/30/2015
Facility Addr2: Not reported
Owner Name: JONG MU SHIM
Owner Address: 100 DONNYBROOK RD
Owner Address 2: Not reported
Owner Telephone: 7149745083
Contact Name: ERIC SHIM
Contact Address: 5565 E SANTA ANA CANYON RD
Contact Address 2: Not reported
Contact Telephone: 7143886604
Mailing Name: Not reported
Mailing Address 1: 5565 E SANTA ANA CANYON RD
Mailing Address 2: Not reported
Mailing City: ANAHEIM
Mailing State: CA
Mailing Zip: 92807
Owner Fax: Not reported
Region Code: 4

**D21
NW
1/8-1/4
0.232 mi.
1225 ft.**

**HILLSIDE CLEANERS
5565 E SANTA ANA CANYON RD
ANAHEIM, CA 92807**

**DRYCLEANERS
HAZNET**

**S113139198
N/A**

Site 2 of 2 in cluster D

**Relative:
Lower
Actual:
320 ft.**

DRYCLEANERS:
EPA Id: CAC002823416
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 07/24/2015
Facility Active: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HILLSIDE CLEANERS (Continued)

S113139198

Inactive Date: 10/24/2015
Facility Addr2: Not reported
Owner Name: AMIT PATEL
Owner Address: 5565 E SANTA ANA CANYON RD
Owner Address 2: Not reported
Owner Telephone: 7146752000
Contact Name: AMIT PATEL
Contact Address: 5565 E SANTA ANA CANYON RD
Contact Address 2: Not reported
Contact Telephone: 7146752000
Mailing Name: Not reported
Mailing Address 1: 5565 E SANTA ANA CANYON RD
Mailing Address 2: Not reported
Mailing City: ANAHEIM
Mailing State: CA
Mailing Zip: 928073138
Owner Fax: Not reported
Region Code: 4

HAZNET:

envid: S113139198
Year: 2005
GEPaid: CAL000298879
Contact: JONG MU SHIM
Telephone: 7149745083
Mailing Name: Not reported
Mailing Address: 5565 E SANTA ANA CANYON RD
Mailing City,St,Zip: ANAHEIM, CA 92807
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113139198
Year: 2005
GEPaid: CAL000298879
Contact: JONG MU SHIM
Telephone: 7149745083
Mailing Name: Not reported
Mailing Address: 5565 E SANTA ANA CANYON RD
Mailing City,St,Zip: ANAHEIM, CA 92807
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: 0.47
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

E22
WNW
1/4-1/2
0.295 mi.
1558 ft.

U.S. POSTAL, ANAHEIM HILLS
5505 SANTA ANA CANYON RD
ANAHEIM, CA 92817

LUST **S102439506**
N/A

Site 1 of 3 in cluster E

Relative:
Lower
Actual:
327 ft.

LUST REG 8:
 Region: 8
 County: Orange
 Regional Board: Santa Ana Region
 Facility Status: Case Closed
 Case Number: 083002782T
 Local Case Num: Not reported
 Case Type: Soil only
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: Not reported
 Cross Street: IMPERIAL HWY
 Enf Type: CLOS
 Funding: Not reported
 How Discovered: OM
 How Stopped: Not reported
 Leak Cause: Not reported
 Leak Source: Piping
 Global ID: T0605901917
 How Stopped Date: 10/31/1995
 Enter Date: 3/19/1996
 Date Confirmation of Leak Began: 11/1/1995
 Date Preliminary Assessment Began: Not reported
 Discover Date: 10/31/1995
 Enforcement Date: Not reported
 Close Date: 2/24/1997
 Date Prelim Assessment Workplan Submitted: Not reported
 Date Pollution Characterization Began: Not reported
 Date Remediation Plan Submitted: Not reported
 Date Remedial Action Underway: Not reported
 Date Post Remedial Action Monitoring: Not reported
 Enter Date: 3/19/1996
 GW Qualifies: Not reported
 Soil Qualifies: Not reported
 Operator: Not reported
 Facility Contact: Not reported
 Interim: Not reported
 Oversight Program: LUST
 Latitude: 33.8520647
 Longitude: -117.793239
 MTBE Date: Not reported
 Max MTBE GW: Not reported
 MTBE Concentration: 1
 Max MTBE Soil: Not reported
 MTBE Fuel: 1
 MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
 MTBE Class: *
 Staff: VJJ
 Staff Initials: SW
 Lead Agency: Local Agency
 Local Agency: 30011
 Hydr Basin #: COASTAL PLAIN OF ORA
 Beneficial: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U.S. POSTAL, ANAHEIM HILLS (Continued)

S102439506

Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

**E23
WNW
1/4-1/2
0.295 mi.
1558 ft.**

**U S POST OFFICE/ANAHEIM HILLS
5505 SANTA ANA CANYON RD
ANAHEIM, CA 92807**

**SWEEPS UST
CA FID UST
HIST CORTESE**

**S101589509
N/A**

Site 2 of 3 in cluster E

**Relative:
Lower**

SWEEPS UST:

**Actual:
327 ft.**

Status: Active
Comp Number: 5650
Number: 9
Board Of Equalization: Not reported
Referral Date: 02-11-92
Action Date: 02-11-92
Created Date: 12-31-88
Owner Tank Id: 262
SWRCB Tank Id: 30-011-005650-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: W
Content: REG UNLEADED
Number Of Tanks: 1

CA FID UST:

Facility ID: 30017061
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: ATTN: FRED SPAHN 677 AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: ANAHEIM 92807
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002782T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

E24
WNW
1/4-1/2
0.304 mi.
1606 ft.

U.S. POSTAL, ANAHEIM HILLS
5505 E SANTA ANA CANYON RD
ANAHEIM, CA 92817

LUST **S109284776**
N/A

Site 3 of 3 in cluster E

Relative:
Lower

LUST:

Actual:
326 ft.

Lead Agency: ANAHEIM CITY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901917
Global Id: T0605901917
Latitude: 33.8520647
Longitude: -117.793239
Status: Completed - Case Closed
Status Date: 02/24/1997
Case Worker: RM
RB Case Number: 083002782T
Local Agency: ANAHEIM CITY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605901917
Contact Type: Local Agency Caseworker
Contact Name: RALPH MCCAFFREY
Organization Name: ANAHEIM CITY
Address: 201 S. ANAHEIM BLVD. MS 601
City: ANAHEIM
Email: rmccaffrey@anaheim.net
Phone Number: Not reported

Global Id: T0605901917
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:

Global Id: T0605901917
Action Type: ENFORCEMENT
Date: 02/24/1997
Action: Closure/No Further Action Letter

Global Id: T0605901917
Action Type: Other
Date: 10/31/1995
Action: Leak Discovery

Global Id: T0605901917
Action Type: REMEDIATION
Date: 12/30/1996
Action: Excavation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U.S. POSTAL, ANAHEIM HILLS (Continued)

S109284776

Global Id: T0605901917
Action Type: Other
Date: 11/05/1995
Action: Leak Reported

Global Id: T0605901917
Action Type: Other
Date: 10/31/1995
Action: Leak Stopped

Global Id: T0605901917
Action Type: ENFORCEMENT
Date: 10/14/2013
Action: File review

Global Id: T0605901917
Action Type: ENFORCEMENT
Date: 02/24/1997
Action: Closure/No Further Action Letter

LUST:

Global Id: T0605901917
Status: Open - Case Begin Date
Status Date: 10/31/1995

Global Id: T0605901917
Status: Open - Site Assessment
Status Date: 11/01/1995

Global Id: T0605901917
Status: Completed - Case Closed
Status Date: 02/24/1997

**25
NNW
1/4-1/2
0.310 mi.
1639 ft.**

**CROWN HARDWARE/FORMER IMAGE CLEANER
5765-C EAST SANTA ANA CANYON ROAD
ANAHEIM, CA 92807**

**SLIC S119777495
N/A**

**Relative:
Lower
Actual:
305 ft.**

SLIC:
Region: STATE
Facility Status: Open - Active
Status Date: 06/28/2016
Global Id: T10000009073
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.85348
Longitude: -117.78811
Case Type: Cleanup Program Site
Case Worker: JML
Local Agency: Not reported
RB Case Number: 2080148
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE)

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CROWN HARDWARE/FORMER IMAGE CLEANER (Continued)

S119777495

Site History: The historical investigation work conducted at 5765-C East Santa Ana Canyon Road in Anaheim (Site) indicates that volatile organic compounds (VOCs) associated with past activities of the Former Image Cleaners are present in the subsurface soil, soil vapor, and groundwater at the Site. Based on the September 2015 Phase I Environmental Site Assessment Report, elevated levels of Tetrachloroethylene (PCE), up to 200 milligrams/kilograms (mg/kg) were detected at 2 feet below ground surface (bgs) in the facility and in the immediate vicinity of the former dry cleaning machine. Subsurface environmental investigations and soil excavation, were conducted between 1998 and 2000, under the regulatory oversight of the Orange County Health Care Agency (OCHCA) with the cleanup goal of 500 micrograms per kilogram (µg/kg) for PCE in soil. Further excavation was not pursued due to safety considerations. Case was closed in August 8, 2000. However, confirmation soil sampling results show that up to 1,360 µg/kg of PCE in northeast bottom and south wall samples. In addition, groundwater was shown to have been impacted to with PCE (120 micrograms/liter [µg/L]), trichloroethylene (TCE: 14 µg/L) and cis-1,2-dichloroethene (DCE: 110 µg/L) immediately beneath the Site.

[Click here to access the California GeoTracker records for this facility:](#)

F26
ESE
1/4-1/2
0.347 mi.
1831 ft.

ANAHEIM FIRE STATION #09
6300 NOHL RANCH
ANAHEIM, CA 92807
Site 1 of 2 in cluster F

LUST **S102852347**
HIST CORTESE **N/A**

Relative:
Higher
Actual:
507 ft.

LUST REG 8:
 Region: 8
 County: Orange
 Regional Board: Santa Ana Region
 Facility Status: Case Closed
 Case Number: 083001951T
 Local Case Num: Not reported
 Case Type: Soil only
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: Not reported
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: Not reported
 How Discovered: OM
 How Stopped: Not reported
 Leak Cause: UNK
 Leak Source: UNK
 Global ID: T0605901455
 How Stopped Date: Not reported
 Enter Date: 11/15/1991
 Date Confirmation of Leak Began: 10/28/1991
 Date Preliminary Assessment Began: Not reported
 Discover Date: 10/23/1991
 Enforcement Date: Not reported
 Close Date: 2/11/1993
 Date Prelim Assessment Workplan Submitted: 11/15/1991
 Date Pollution Characterization Began: Not reported
 Date Remediation Plan Submitted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM FIRE STATION #09 (Continued)

S102852347

Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: 11/15/1991
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.84122
Longitude: -117.7735302
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE. Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: VJJ
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 30011
Hydr Basin #: COASTAL PLAIN OF ORA
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001951T

F27
ESE
1/4-1/2
0.347 mi.
1831 ft.

ANAHEIM FIRE STATION #09
6300 E NOHL RANCH RD
ANAHEIM, CA 92807
Site 2 of 2 in cluster F

LUST U001578753
HIST UST N/A

Relative:
Higher
Actual:
507 ft.

LUST:
Lead Agency: ANAHEIM CITY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901455
Global Id: T0605901455
Latitude: 33.84122
Longitude: -117.7735302
Status: Completed - Case Closed
Status Date: 02/11/1993
Case Worker: RM
RB Case Number: 083001951T
Local Agency: ANAHEIM CITY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM FIRE STATION #09 (Continued)

U001578753

Site History: Not reported

LUST:
Global Id: T0605901455
Contact Type: Local Agency Caseworker
Contact Name: RALPH MCCAFFREY
Organization Name: ANAHEIM CITY
Address: 201 S. ANAHEIM BLVD. MS 601
City: ANAHEIM
Email: rmccaffrey@anaheim.net
Phone Number: Not reported

Global Id: T0605901455
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:
Global Id: T0605901455
Action Type: ENFORCEMENT
Date: 02/11/1993
Action: Closure/No Further Action Letter

Global Id: T0605901455
Action Type: Other
Date: 10/23/1991
Action: Leak Reported

Global Id: T0605901455
Action Type: Other
Date: 10/23/1991
Action: Leak Discovery

LUST:
Global Id: T0605901455
Status: Open - Case Begin Date
Status Date: 10/23/1991

Global Id: T0605901455
Status: Open - Site Assessment
Status Date: 10/28/1991

Global Id: T0605901455
Status: Open - Site Assessment
Status Date: 11/15/1991

Global Id: T0605901455
Status: Completed - Case Closed
Status Date: 02/11/1993

HIST UST:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANAHEIM FIRE STATION #09 (Continued)

U001578753

File Number: Not reported
 URL: Not reported
 Region: STATE
 Facility ID: 00000056749
 Facility Type: Other
 Other Type: FIRE STATION
 Contact Name: BOB BLYTHE
 Telephone: 7149995140
 Owner Name: CITY OF ANAHEIM-DEPARTMENT OF
 Owner Address: 200 SOUTH ANAHEIM BOULEVARD, S
 Owner City,St,Zip: ANAHEIM, CA 92805
 Total Tanks: 0001

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

**G28
 NW
 1/2-1
 0.697 mi.
 3681 ft.**

**ENGELHARD WEST INC
 5510 E LA PALMA AVE
 ANAHEIM, CA 92807
 Site 1 of 2 in cluster G**

**ENVIROSTOR S103664691
 CHMIRS N/A
 EMI
 ICE
 HWP**

**Relative:
 Lower
 Actual:
 283 ft.**

ENVIROSTOR:
 Facility ID: 80001778
 Status: No Further Action
 Status Date: 03/15/2007
 Site Code: 400356
 Site Type: Corrective Action
 Site Type Detailed: Corrective Action
 Acres: 4.5
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: WM
 Program Manager: Robert Romero
 Supervisor: Ju-Tseng Liu
 Division Branch: Cleanup Cypress
 Assembly: 68
 Senate: 37
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.85988
 Longitude: -117.7957
 APN: NONE SPECIFIED
 Past Use: METAL RECLAMATION
 Potential COC: Arsenic Chloroform
 Confirmed COC: Arsenic Chloroform
 Potential Description: SOIL
 Alias Name: CAT000612150
 Alias Type: EPA Identification Number
 Alias Name: 110000495704

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST INC (Continued)

S103664691

Alias Type: EPA (FRS #)
Alias Name: 400356
Alias Type: Project Code (Site Code)
Alias Name: 80001778
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 03/15/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 04/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 03/09/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 03/15/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/28/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/08/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/18/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 03/09/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CA Process is Terminated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST INC (Continued)

S103664691

Completed Date: 03/15/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 09/05/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 03/15/2007
Comments: Completed March 15, 2007

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CHMIRS:

OES Incident Number: 1-0418
OES notification: 01/21/2011
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST INC (Continued)

S103664691

Spill Site: Other
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Gal(s)
Other: Not reported
Date/Time: 1200
Year: 2011
Agency: Dalton Enterprises
Incident Date: 1/21/2011
Admin Agency: Anaheim Fire Department
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: Diesel
Quantity Released: 20
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: The fuel tank on a truck was damaged in a collision.

EMI:

Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 11281
Air District Name: SC
SIC Code: 3339
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1990
County Code: 30

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST INC (Continued)

S103664691

Air Basin: SC
Facility ID: 11281
Air District Name: SC
SIC Code: 3339
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 30
Air Basin: SC
Facility ID: 11281
Air District Name: SC
SIC Code: 3341
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 30
Air Basin: SC
Facility ID: 11281
Air District Name: SC
SIC Code: 3341
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 30
Air Basin: SC
Facility ID: 11281
Air District Name: SC
SIC Code: 3341
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST INC (Continued)

S103664691

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

ICE:

Envirostor ID: 3000621
EPA ID: CAT000612150
Site Type: INSPECTION
Facility Status: No Action

Enforcement:

Action Type: Final Administrative Settlement (310)
Action Date: 11/12/1999

Action Type: Enforcement Order Issued (210)
Action Date: 10/14/1999

Inspection:

Action Type: Compliance Evaluation Inspection - Initiative
Action Date: 05/02/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 04/24/1997
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 04/25/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 05/30/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Standardized Permit
Action Date: 05/30/2001
Violation Class: Minor
RTC Date: 06/07/2001

Action Type: Financial Records Review - Standardized Permit
Action Date: 06/07/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/24/1997
Violation Class: Class 1, Class 2, Minor
RTC Date: 12/07/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST INC (Continued)

S103664691

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Follow-up Inspection - Treatment, Storage and Disposal
Action Date: 06/15/1999
Violation Class: Class 2, Minor
RTC Date: 12/20/1999

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 06/17/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/29/2005
Violation Class: Class 2
RTC Date: 06/28/2006

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2005
Violation Class: No Violations
RTC Date: Not reported

HWP:

EPA Id: CAT000612150
Cleanup Status: CLOSED
Latitude: 33.85988
Longitude: -117.7957
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 400356
Assembly District: 68
Senate District: 37
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAT000612150
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 06/20/1983

EPA Id: CAT000612150
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART A RECEIVED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST INC (Continued)

S103664691

Actual Date: 03/30/1981

Closure:
EPA Id: CAT000612150
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 05/31/2006

EPA Id: CAT000612150
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/28/2006

Alias:
EPA Id: CAT000612150
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000495704

EPA Id: CAT000612150
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400356

**G29
NW
1/2-1
0.697 mi.
3681 ft.**

**ENGELHARD WEST, INC.
5510 E. LA PALMA AVE.
ANAHEIM, CA 92807
Site 2 of 2 in cluster G**

**SEMS-ARCHIVE 1000204410
CORRACTS CAT000612150
RCRA-SQG
2020 COR ACTION**

Relative: SEMS Archive:
Lower Site ID: 900339
EPA ID: CAT000612150
Actual: Cong District: 39
283 ft. FIPS Code: 6059
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 9
Site ID: 900339
EPA ID: CAT000612150
Site Name: ENGLEHARD IND WEST INC
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Region: 9
Site ID: 900339
EPA ID: CAT000612150
Site Name: ENGLEHARD IND WEST INC
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-06-12 00:00:00
Finish Date: 1990-06-12 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 900339
EPA ID: CAT000612150
Site Name: ENGLEHARD IND WEST INC
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-08-28 00:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900808
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120309
Action: CA550RC
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20120408
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120309
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20120408
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120313
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20120313
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120313
Action: CA550RC
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20120313
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070315
Action: CA550RC
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20070315
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070315
Action: CA450 - Corrective Measures Design Approved
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070315
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070315
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20070315
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070315
Action: CA550RC
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20070315
Action: CA999 - Corrective Action Process Terminated
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20040518
Action: CA200 - RFI Approved
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Area Name: ENTIRE FACILITY
Actual Date: 20090922
Action: CA800YE
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20091001
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20020924
Action: CA160 - RFI Supplemental Information Received
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20020625
Action: CA110 - RFI Workplan Received
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20100528
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20100528
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
Original schedule date: 20100528
Schedule end date: Not reported

EPA ID: CAT000612150
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Area Name: ENTIRE FACILITY
Actual Date: 20070430
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 331492
Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except
Copper and Aluminum)
Original schedule date: 20040930
Schedule end date: Not reported

RCRA-SQG:

Date form received by agency: 03/14/2002
Facility name: ENGELHARD WEST, INC.
Facility address: 5510 E. LA PALMA AVE.
ANAHEIM, CA 92807
EPA ID: CAT000612150
Mailing address: 101 WOOD AVE.
ISELIN, NJ 08830
Contact: ROBERT J TAPPER
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 732-205-6154
Contact email: ROBERT.TAPPER@ENGELHARD.COM
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous
waste during any calendar month and accumulates less than 6000 kg of
hazardous waste at any time; or generates 100 kg or less of hazardous
waste during any calendar month, and accumulates more than 1000 kg of
hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/14/2002
Site name: ENGELHARD WEST, INC.
Classification: Large Quantity Generator
Waste code: 141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

- . Waste name: Off-specification, aged, or surplus inorganics
- . Waste code: 171
- . Waste name: Metal sludge (see 121)
- . Waste code: 181
- . Waste name: Other inorganic solid waste
- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics
- . Waste code: 551
- . Waste name: Laboratory waste chemicals
- . Waste code: 726
- . Waste name: Liquids with nickel > 134 mg/l
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 10/12/2000
Site name: ENGELHARD WEST, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999
Site name: ENGELHARD WEST, INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: ENGELHARD IND WEST INC
Classification: Large Quantity Generator

Date form received by agency: 07/15/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Site name: ENGELHARD WEST, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: ENGELHARD WEST INC
Classification: Large Quantity Generator

Date form received by agency: 03/16/1992
Site name: ENGELHARD WEST, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/27/1990
Site name: ENGELHARD INC
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: ENGELHARD IND WEST INC
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 08/08/1990
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 08/08/1990
Event: NCAPS RANKING/PRIORITY

Event date: 08/08/1990
Event: PA OR CERCLA INSPECTION

Event date: 08/08/1990
Event: LEAD AGENCY DETERMINATION

Event date: 06/25/2002
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 09/24/2002
Event: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED

Event date: 05/18/2004
Event: INVESTIGATION COMPLETE

Event date: 03/15/2007
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 03/15/2007
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 03/15/2007
Event: CA PROCESS IS TERMINATED

Event date: 03/15/2007
Event: REMEDY DECISION

Event date: 03/15/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Event: REMEDY DECISION

Event date: 03/15/2007
Event: CORRECTIVE MEASURES DESIGN APPROVED

Event date: 04/30/2007
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 09/22/2009
Event: READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE

Event date: 05/28/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 05/28/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 03/09/2012
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 03/09/2012
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 03/13/2012
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 03/13/2012
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/29/2005
Date achieved compliance: 06/28/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/30/2001
Date achieved compliance: 06/07/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/30/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/15/1999
Date achieved compliance: 12/20/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 64000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/15/1999
Date achieved compliance: 07/21/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 06/15/1999
Date achieved compliance: 07/21/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/15/1999
Date achieved compliance: 07/21/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/15/1999
Date achieved compliance: 07/21/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/15/1999
Date achieved compliance: 12/20/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/15/1999
Date achieved compliance: 12/20/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 59000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 06/15/1999
Date achieved compliance: 07/21/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/15/1999
Date achieved compliance: 07/21/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 64000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/18/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: 54000

Regulation violated: F - 264.370-383.P
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: 54000

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/24/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 59000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.370-383.P
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: 54000

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: 54000

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 64000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 59000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 59000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 64000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 64000
Paid penalty amount: Not reported

Regulation violated: F - 264.370-383.P
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/18/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/18/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 59000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.370-383.P
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 04/24/1997
Date achieved compliance: 06/03/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/18/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 59000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/24/1997
Date achieved compliance: 12/07/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 07/19/1995
Date achieved compliance: 08/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 07/19/1995
Date achieved compliance: 08/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 263
Area of violation: Transporters - General
Date violation determined: 07/19/1995
Date achieved compliance: 07/19/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/19/1995
Date achieved compliance: 08/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 07/19/1995
Date achieved compliance: 08/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 07/19/1995
Date achieved compliance: 08/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 07/19/1995
Date achieved compliance: 07/19/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/19/1991
Date achieved compliance: 03/26/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/26/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 05/19/1988
Date achieved compliance: 07/29/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/26/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/29/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/28/2006
Evaluation lead agency: State

Evaluation date: 09/28/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/02/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/30/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/07/2001
Evaluation lead agency: State

Evaluation date: 04/25/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/30/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/07/1999
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/17/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/15/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/21/1999
Evaluation lead agency: State

Evaluation date: 06/15/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - General
Date achieved compliance: 07/21/1999
Evaluation lead agency: State

Evaluation date: 06/15/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Records/Reporting
Date achieved compliance: 07/21/1999
Evaluation lead agency: State

Evaluation date: 06/15/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 07/21/1999
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Evaluation date: 06/15/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 07/21/1999
Evaluation lead agency: State

Evaluation date: 06/15/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - General
Date achieved compliance: 12/20/1999
Evaluation lead agency: State

Evaluation date: 06/15/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 07/21/1999
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/07/1999
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 12/07/1999
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 12/07/1999
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/07/1999
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Thermal Treatment
Date achieved compliance: 12/07/1999
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 06/03/1997
Evaluation lead agency: State

Evaluation date: 07/19/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 07/19/1995
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Evaluation date: 07/19/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/01/1995
Evaluation lead agency: State

Evaluation date: 07/19/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/19/1995
Evaluation lead agency: State

Evaluation date: 07/19/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/01/1995
Evaluation lead agency: State

Evaluation date: 07/19/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/01/1995
Evaluation lead agency: State

Evaluation date: 05/26/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/24/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/26/1991
Evaluation lead agency: State

Evaluation date: 02/06/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/19/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/29/1988
Evaluation lead agency: State

Evaluation date: 05/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELHARD WEST, INC. (Continued)

1000204410

Date achieved compliance: Not reported
Evaluation lead agency: State

2020 COR ACTION:

EPA ID: CAT000612150
Region: 9
Action: Remedy Constructed

Count: 2 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
ANAHEIM HILLS	1015732871	CANYON CLEANERS	556 EAST SANTA ANA CANYON RD	92808	SEMS-ARCHIVE, RCRA-SQG
YORBA LINDA	S106797603	NORTH YORBA LINDA ESTATES	TTS 16208 & 16209 FAIRMONT BLV	92886	ENVIROSTOR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 04/06/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 04/06/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 04/06/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/06/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 02/06/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2018
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 02/06/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2018
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 02/09/2018
Number of Days to Update: 94	Next Scheduled EDR Contact: 05/28/2018
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/27/2017	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 02/27/2018
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/11/2018
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/27/2017	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 02/27/2018
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/11/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Date Data Arrived at EDR: 02/26/2004

Telephone: 760-776-8943

Date Made Active in Reports: 03/24/2004

Last EDR Contact: 08/01/2011

Number of Days to Update: 27

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Date Data Arrived at EDR: 06/07/2005

Telephone: 760-241-7365

Date Made Active in Reports: 06/29/2005

Last EDR Contact: 09/12/2011

Number of Days to Update: 22

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003

Source: California Regional Water Quality Control Board Lahontan Region (6)

Date Data Arrived at EDR: 09/10/2003

Telephone: 530-542-5572

Date Made Active in Reports: 10/07/2003

Last EDR Contact: 09/12/2011

Number of Days to Update: 27

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008

Source: California Regional Water Quality Control Board Central Valley Region (5)

Date Data Arrived at EDR: 07/22/2008

Telephone: 916-464-4834

Date Made Active in Reports: 07/31/2008

Last EDR Contact: 07/01/2011

Number of Days to Update: 9

Next Scheduled EDR Contact: 10/17/2011

Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Date Data Arrived at EDR: 09/07/2004

Telephone: 213-576-6710

Date Made Active in Reports: 10/12/2004

Last EDR Contact: 09/06/2011

Number of Days to Update: 35

Next Scheduled EDR Contact: 12/19/2011

Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003

Source: California Regional Water Quality Control Board Central Coast Region (3)

Date Data Arrived at EDR: 05/19/2003

Telephone: 805-542-4786

Date Made Active in Reports: 06/02/2003

Last EDR Contact: 07/18/2011

Number of Days to Update: 14

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6271
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-6597
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017	Source: EPA Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 98	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017	Source: EPA, Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-7439
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 03/21/2018
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 07/27/2017	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017	Source: EPA Region 9
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3368
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-7591
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 134	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017	Source: EPA Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-6136
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017	Source: EPA, Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 98	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/21/2018
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/31/2018	Telephone: 916-323-3400
Date Made Active in Reports: 03/19/2018	Last EDR Contact: 01/31/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 05/14/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/22/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/02/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/08/2018	Source: DTSC and SWRCB
Date Data Arrived at EDR: 02/08/2018	Telephone: 916-323-3400
Date Made Active in Reports: 02/08/2018	Last EDR Contact: 03/06/2018
Number of Days to Update: 0	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 01/19/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-366-4555
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 03/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/15/2018	Source: Office of Emergency Services
Date Data Arrived at EDR: 02/20/2018	Telephone: 916-845-8400
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 02/20/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 02/21/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/04/2018
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/13/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/11/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/16/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/06/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/21/2018
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/12/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/19/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/21/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/09/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/06/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/26/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/05/2017	Telephone: 202-343-9775
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 04/05/2018
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 92

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 11/21/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-2280
Date Made Active in Reports: 03/02/2018	Last EDR Contact: 03/07/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018	Source: EPA
Date Data Arrived at EDR: 02/21/2018	Telephone: 800-385-6164
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 02/21/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/04/2018
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 02/08/2018	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 02/08/2018	Telephone: 916-323-3400
Date Made Active in Reports: 02/08/2018	Last EDR Contact: 03/27/2018
Number of Days to Update: 0	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/01/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 02/02/2018	Telephone: 916-327-4498
Date Made Active in Reports: 03/16/2018	Last EDR Contact: 02/28/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015	Source: California Air Resources Board
Date Data Arrived at EDR: 03/21/2017	Telephone: 916-322-2990
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 03/23/2018
Number of Days to Update: 147	Next Scheduled EDR Contact: 07/02/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/24/2018	Telephone: 916-445-9379
Date Made Active in Reports: 03/19/2018	Last EDR Contact: 01/22/2018
Number of Days to Update: 54	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/24/2018	Telephone: 916-255-3628
Date Made Active in Reports: 03/20/2018	Last EDR Contact: 01/22/2018
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/16/2018	Telephone: 916-341-6066
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 02/08/2018
Number of Days to Update: 46	Next Scheduled EDR Contact: 05/28/2018
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2017	Telephone: 916-255-1136
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 01/08/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/20/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/21/2018	Telephone: 877-786-9427
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 02/21/2018
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/04/2018
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/21/2018	Telephone: 916-323-3400
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 02/21/2018
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/04/2018
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/08/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/09/2018	Telephone: 916-440-7145
Date Made Active in Reports: 02/06/2018	Last EDR Contact: 01/09/2018
Number of Days to Update: 28	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/11/2017	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2017	Telephone: 916-322-1080
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/29/2017	Source: Department of Public Health
Date Data Arrived at EDR: 12/05/2017	Telephone: 916-558-1784
Date Made Active in Reports: 01/16/2018	Last EDR Contact: 03/06/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/14/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/14/2018	Telephone: 916-445-9379
Date Made Active in Reports: 03/15/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/28/2018
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/04/2017	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/05/2017	Telephone: 916-445-4038
Date Made Active in Reports: 01/16/2018	Last EDR Contact: 03/05/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 35

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 32

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 51

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/06/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 54

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 27

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 20

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018	Source: Health Care Agency
Date Data Arrived at EDR: 02/07/2018	Telephone: 714-834-3446
Date Made Active in Reports: 03/28/2018	Last EDR Contact: 02/07/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 05/21/2018
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 12/12/2017	Telephone: 530-745-2363
Date Made Active in Reports: 01/31/2018	Last EDR Contact: 03/15/2018
Number of Days to Update: 50	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 01/24/2018	Telephone: 530-283-6355
Date Made Active in Reports: 03/15/2018	Last EDR Contact: 01/22/2018
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2018	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/23/2018	Telephone: 951-358-5055
Date Made Active in Reports: 03/20/2018	Last EDR Contact: 03/19/2018
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/02/2018
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2018	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/23/2018	Telephone: 951-358-5055
Date Made Active in Reports: 03/28/2018	Last EDR Contact: 03/19/2018
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/02/2018
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 02/01/2018
Number of Days to Update: 42

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 29

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 28

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018	Source: Environmental Health Division
Date Data Arrived at EDR: 03/14/2018	Telephone: 805-654-2813
Date Made Active in Reports: 03/30/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 16	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018	Source: Yolo County Department of Health
Date Data Arrived at EDR: 01/09/2018	Telephone: 530-666-8646
Date Made Active in Reports: 01/19/2018	Last EDR Contact: 03/29/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/02/2018	Telephone: 530-749-7523
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 01/29/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 05/14/2018
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/14/2018	Telephone: 860-424-3375
Date Made Active in Reports: 03/22/2018	Last EDR Contact: 02/14/2018
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/28/2018
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/11/2017	Telephone: N/A
Date Made Active in Reports: 07/27/2017	Last EDR Contact: 01/05/2018
Number of Days to Update: 107	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NOHL RANCH OPEN SPACE TRAIL
NOHL RANCH ROAD
ANAHEIM, CA 92807

TARGET PROPERTY COORDINATES

Latitude (North):	33.845365 - 33° 50' 43.31"
Longitude (West):	117.782051 - 117° 46' 55.38"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	427646.2
UTM Y (Meters):	3745091.8
Elevation:	466 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641308 ORANGE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

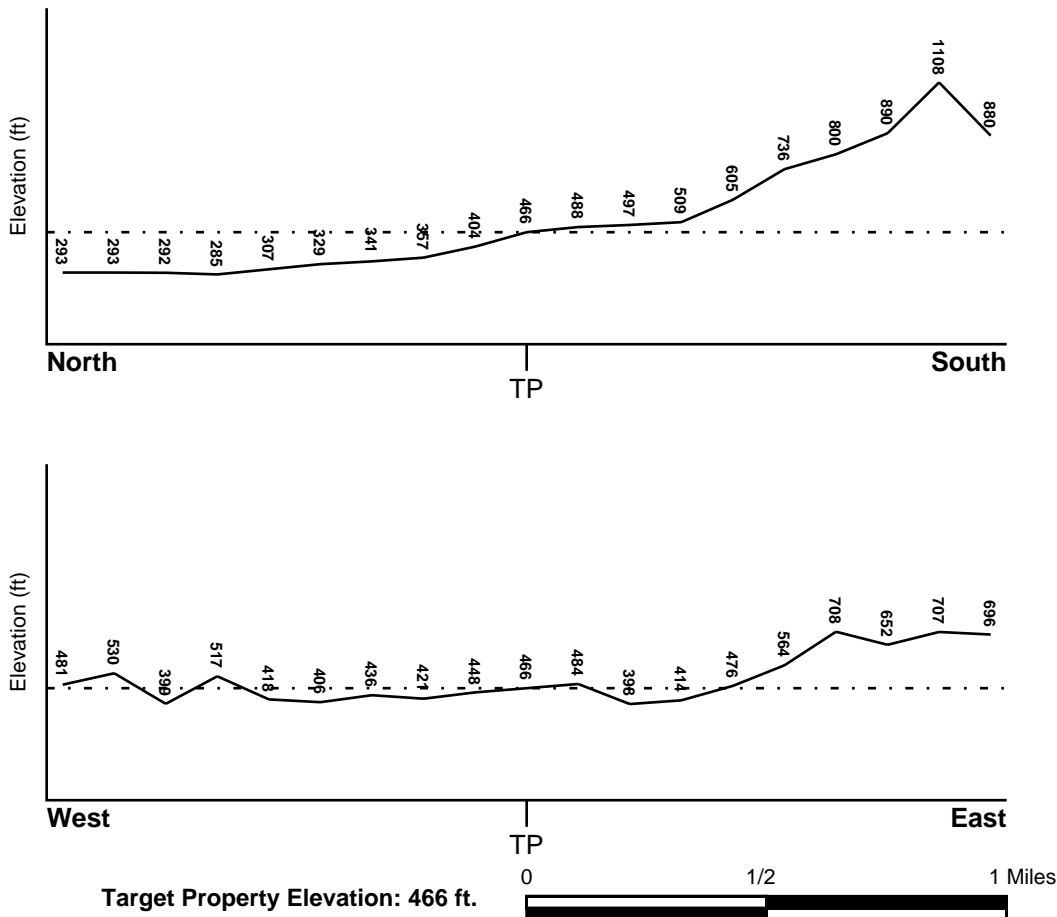
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06059C0156J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06059C0157J	FEMA FIRM Flood data
06059C0158J	FEMA FIRM Flood data
06059C0159J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ORANGE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile NW
Site Name:	Canyon Cleaners
Site EPA ID Number:	CAD981580046
Groundwater Flow Direction:	NOT AVAILABLE.
Measured Depth to Water:	60 feet to 66 feet in the upper aquifer.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifers underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

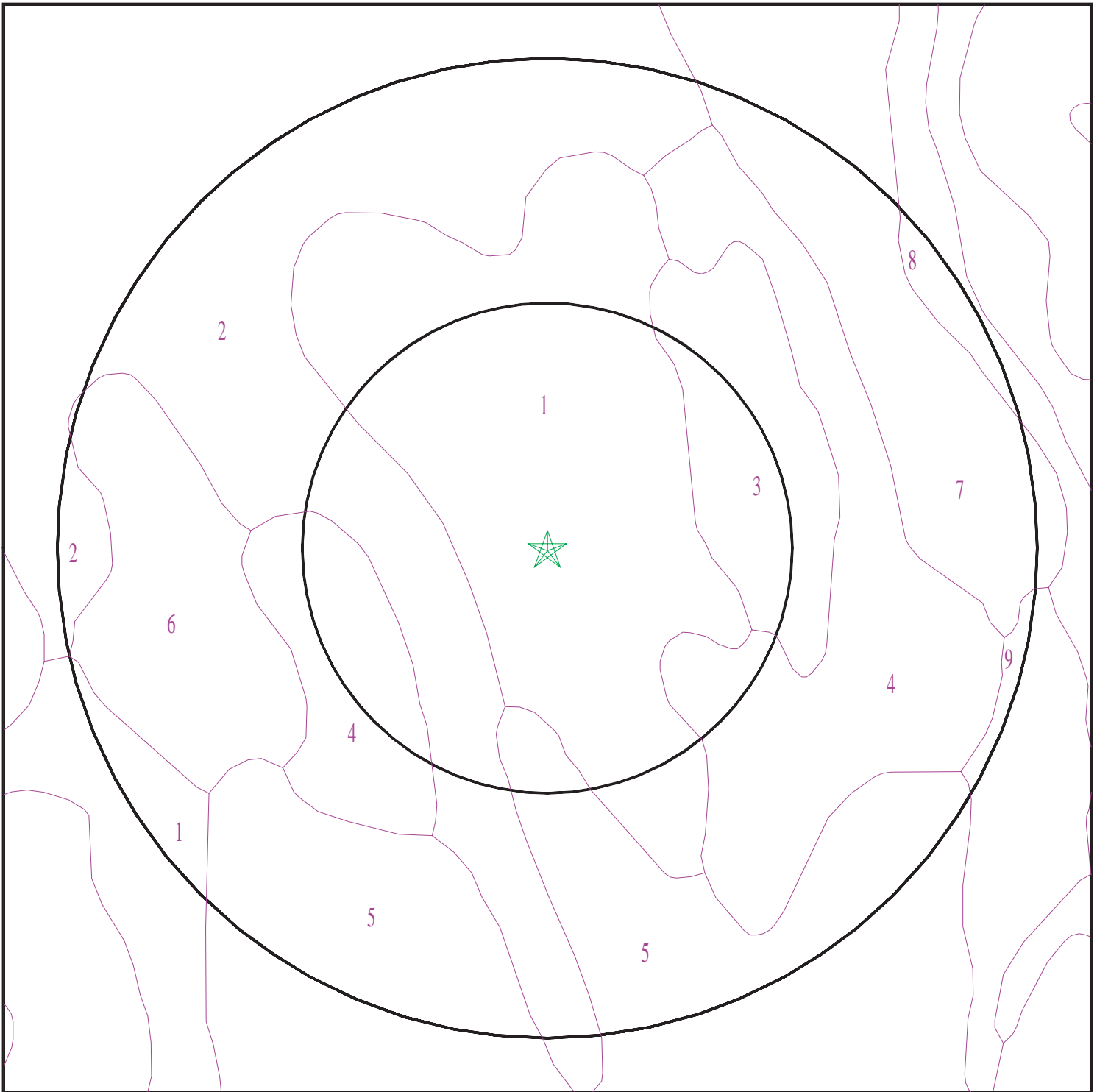
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

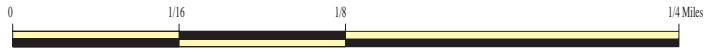
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5253892.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
Anaheim CA 92807
LAT/LONG: 33.845365 / 117.782051

CLIENT: LSA Associates
CONTACT: Shelby Cramton
INQUIRY #: 5253892.2s
DATE: April 10, 2018 8:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: ALO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	14 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	22 inches	25 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:
3	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 2

Soil Component Name: MOCHO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	31 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	31 inches	61 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: YORBA

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6.5 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	11 inches	40 inches	very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.6
3	40 inches	62 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 8.4 Min: 5.1

Soil Map ID: 4

Soil Component Name: SOPER

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	9 inches	29 inches	gravelly clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
3	29 inches	33 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	14 inches	18 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 6

Soil Component Name: YORBA

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly sandy loam	Not reported	Not reported	Max: 42 Min: 4	Max: 6.5 Min: 5.6
2	11 inches	40 inches	very gravelly sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.6
3	40 inches	62 inches	very gravelly sandy loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 5.1

Soil Map ID: 7

Soil Component Name: SAN EMIGDIO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	7 inches	61 inches	stratified gravelly loamy coarse sand to very fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 8

Soil Component Name: RIVERWASH

Soil Surface Texture: sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified coarse sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 9

Soil Component Name: SORRENTO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 6.1
2	11 inches	61 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000138589	1/2 - 1 Mile NW
2	USGS40000138596	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

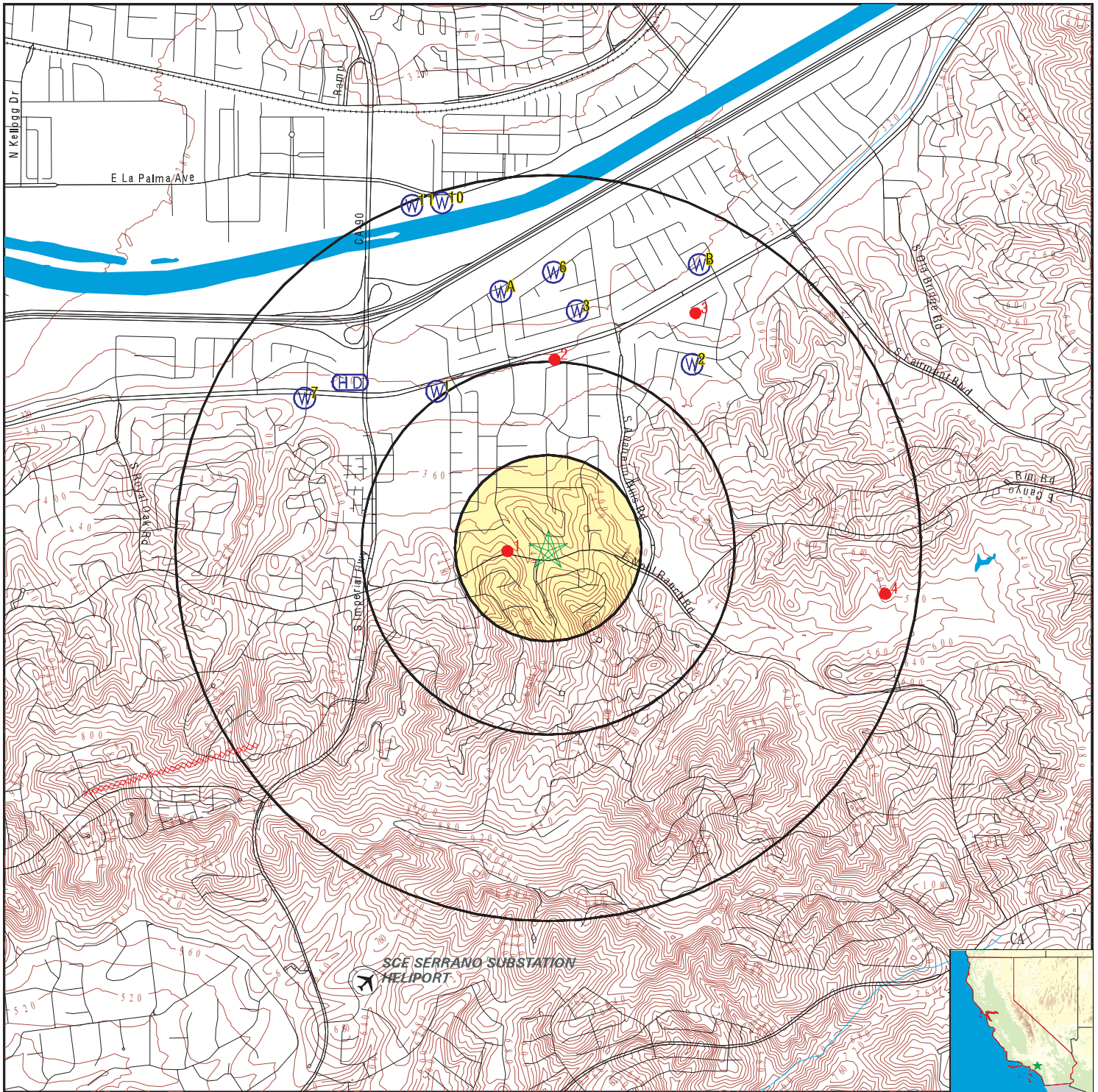
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	CADW60000017895	1/2 - 1 Mile North
A4	CADW60000017894	1/2 - 1 Mile North
A5	CADW60000017901	1/2 - 1 Mile NNW
6	CADW60000017896	1/2 - 1 Mile North
7	CADW60000031741	1/2 - 1 Mile WNW
B8	CADW60000017897	1/2 - 1 Mile NNE
B9	CADW60000017893	1/2 - 1 Mile NNE
10	CADW60000017899	1/2 - 1 Mile NNW
11	CADW60000017898	1/2 - 1 Mile NNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG11000217687	0 - 1/8 Mile West
2	CAOG11000222186	1/2 - 1 Mile North
3	CAOG11000217863	1/2 - 1 Mile NNE
4	CAOG11000217665	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 5253892.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim CA 92807
 LAT/LONG: 33.845365 / 117.782051

CLIENT: LSA Associates
 CONTACT: Shelby Cramton
 INQUIRY #: 5253892.2s
 DATE: April 10, 2018 8:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
NW **FED USGS** **USGS40000138589**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335105117471401		
Monloc name:	004S009W02J001S		
Monloc type:	Well		
Monloc desc:	NAWQA DATA ENTRY COM + VER 06/15/2000 SDIONNE		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8514667
Longitude:	-117.7872389	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	325
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19991121	Welldepth:	73.5
Welldepth units:	ft	Wellholedepth:	73.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

2000-06-08	52.89	

2
NE **FED USGS** **USGS40000138596**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335109117462801		
Monloc name:	004S009W01F003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.8525158
Longitude:	-117.7753329	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	314.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19360129 Welldepth: 127
 Welldepth units: ft Wellholedepth: 142
 Wellholedepth units: ft

Ground-water levels, Number of Measurements: 51

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel

1979-02-01					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
1978-10-31	31.02		1978-10-18	30.84	
1977-11-03	39.90		1975-12-29	51.30	
1975-11-10	50.60		1975-08-25	46.70	
1975-06-24	44.20		1975-05-06	41.80	
1975-02-28	51.80		1975-01-09	38.60	
1974-10-21	38.90		1974-08-27	32.40	
1974-06-26	32.40		1974-04-29	32.60	
1974-03-12	31.40		1973-10-30	33.60	
1973-07-28	35.10		1973-06-29	33.20	
1973-05-08	32.10		1973-02-23	33.70	
1972-12-26	33.20		1972-10-26	36.60	
1972-08-28	33.10		1972-06-22	37.30	
1972-02-23	31.30		1972-01-03	31.60	
1971-08-27	34.20		1971-06-28	33.70	
1971-04-26	39.10		1971-04-01	38.40	
1970-10-28	36.70		1970-09-29	35.60	
1970-08-26	34.40		1970-07-31	35.00	
1970-06-24	35.70		1970-05-27	34.60	
1970-04-27	32.80		1970-03-26	33.00	
1970-01-29	29.40		1969-12-30	30.70	
1969-12-22	29.50		1969-12-05	30.30	
1969-12-01	31.00		1969-10-28	29.60	
1969-10-27	31.50		1969-09-29	31.20	
1969-08-29	32.20		1969-08-25	21.50	
1969-07-09	31.10		1969-04-21	24.70	

3
North
1/2 - 1 Mile
Lower

CA WELLS CADW60000017895

Objectid: 17895
 Latitude: 33.8546
 Longitude: -117.7807
 Site code: 338546N1177807W001
 State well numbe: 04S09W01E002S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000017895

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A4
North
1/2 - 1 Mile
Lower

CA WELLS CADW60000017894

Objectid: 17894
 Latitude: 33.8554
 Longitude: -117.7837
 Site code: 338554N1177837W001
 State well numbe: 04S09W01E001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000017894

A5
NNW
1/2 - 1 Mile
Lower

CA WELLS CADW60000017901

Objectid: 17901
 Latitude: 33.8553
 Longitude: -117.7848
 Site code: 338553N1177848W001
 State well numbe: 04S09W02H001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000017901

6
North
1/2 - 1 Mile
Lower

CA WELLS CADW60000017896

Objectid: 17896
 Latitude: 33.8561
 Longitude: -117.7818
 Site code: 338561N1177818W001
 State well numbe: 04S09W01E003S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000017896

7
WNW
1/2 - 1 Mile
Lower

CA WELLS CADW60000031741

Objectid: 31741
 Latitude: 33.8512
 Longitude: -117.7934
 Site code: 338512N1177934W001
 State well numbe: 04S09W02L001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000031741

B8
NNE
1/2 - 1 Mile
Lower

CA WELLS CADW60000017897

Objectid: 17897
 Latitude: 33.856
 Longitude: -117.7752
 Site code: 338560N1177752W001
 State well numbe: 04S09W01F011S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000017897

B9
NNE
1/2 - 1 Mile
Lower

CA WELLS CADW60000017893

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 17893
Latitude: 33.8568
Longitude: -117.7748
Site code: 338568N1177748W001
State well numbe: 04S09W01B003S
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 30
County name: Orange
Basin code: '8-1'
Basin desc: Coastal Plain Of Orange County
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000017893

**10
NNW
1/2 - 1 Mile
Lower**

CA WELLS CADW60000017899

Objectid: 17899
Latitude: 33.8588
Longitude: -117.787
Site code: 338588N1177870W001
State well numbe: 04S09W02A002S
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 30
County name: Orange
Basin code: '8-1'
Basin desc: Coastal Plain Of Orange County
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000017899

**11
NNW
1/2 - 1 Mile
Lower**

CA WELLS CADW60000017898

Objectid: 17898
Latitude: 33.8587
Longitude: -117.7884
Site code: 338587N1177884W001
State well numbe: 04S09W02A001S
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 30
County name: Orange

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '8-1'
Basin desc: Coastal Plain Of Orange County
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000017898

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

West
0 - 1/8 Mile

OIL_GAS

CAOG11000217687

District nun:	1	Api number:	05900878
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Bixby Lease No. 1		
County name:	Orange	Fieldname:	Any Field
Area name:	Any Area	Section:	11
Township:	04S	Range:	09W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bixby No 1	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000217687		

2

North
1/2 - 1 Mile

OIL_GAS

CAOG11000222186

District nun:	1	Api number:	05920164
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Union Oil Company of California		
County name:	Orange	Fieldname:	Any Field
Area name:	Any Area	Section:	1
Township:	04S	Range:	09W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Union-Santa Ana Canyon	Wellnumber:	E. H.
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000222186		

3

NNE
1/2 - 1 Mile

OIL_GAS

CAOG11000217863

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	05901080
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	G. D. Murdoch		
County name:	Orange	Fieldname:	Any Field
Area name:	Any Area	Section:	1
Township:	04S	Range:	09W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Howell	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000217863		

4

**East
1/2 - 1 Mile**

OIL_GAS

CAOG11000217665

District nun:	1	Api number:	05900853
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Aeco Corporation		
County name:	Orange	Fieldname:	Any Field
Area name:	Any Area	Section:	12
Township:	04S	Range:	09W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Nohl-Bixby	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000217665		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92807	56	5

Federal EPA Radon Zone for ORANGE County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



Nohl Ranch Open Space Trail

Nohl Ranch Road

Anaheim, CA 92807

Inquiry Number: 5253892.3

April 10, 2018

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Nohl Ranch Open Space Trail

Nohl Ranch Road
Anaheim, CA 92807

Inquiry Number: 5253892.5
April 11, 2018

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by

infoUSA[®]

Copyright©2008
All Rights Reserved

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2005	EDR Digital Archive	-	X	X	-
2002	Haines Company	-	-	-	-
2001	Pacific Telephone	-	-	-	-
1997	Pacific Bell	-	-	-	-
1995	Pacific Bell	-	X	X	-
1992	Pacific Bell	-	-	-	-
1991	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1975	Luskey Brothers & Co., Inc.	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1971	Luskey Brothers Co., Inc.	-	-	-	-
1970	General Telephone Co., of California	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	Ross Publications, Inc.,	-	-	-	-
1961	Luskey Brothers & Co.,	-	-	-	-
1960	Unknown	-	-	-	-
1956	The Pacific Telephone and Telegraph Co.	-	-	-	-
1955	The Pacific Telephone and Telegraph Co.	-	-	-	-
1952	Luskeys Directory Service Co.	-	-	-	-
1950	West Directory Co.	-	-	-	-
1946	Southern California Telephone Co.	-	-	-	-
1945	Western Directory Co.	-	-	-	-
1941	Southern California Telephone Co.	-	-	-	-
1936	Western Directory Co.	-	-	-	-
1930	Western Directory Co.	-	-	-	-
1926	Pacific Telephone	-	-	-	-
1925	Western Directory Co.	-	-	-	-
1922	Kaasen Directory Co.	-	-	-	-
1921	Western Directory Co.	-	-	-	-
1920	Santa Ana Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Nohl Ranch Road
Anaheim, CA 92807

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E BRIGHTON LN

6003 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Hall Rothove Lesley A	Pacific Bell
1991	Hall Lesley A	Pacific Bell
1986	Spindler Jos	Pacific Bell
1980	Warmington Group The	Pacific Telephone

E Brighton Ln

6005 E Brighton Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MAINS ENGINEERING INC	EDR Digital Archive

E BRIGHTON LN

6011 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Nikloo Shahram	Pacific Bell
1991	Nikjoo Shahram	Pacific Bell
1986	Nikjoo Shahram	Pacific Bell
1980	Nikoo Shahram	Pacific Telephone

6015 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Lunggren N	Pacific Bell
	Lizzul Stephan M	Pacific Bell
	Bezyack Michael	Pacific Bell
1991	Bezyack Michael	Pacific Bell
1986	Montgomery Thos	Pacific Bell

6017 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Kestel Karl R	Pacific Bell
1991	Kestel Karl R	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Kestel Karl R	Pacific Bell
1980	Kestel Karl R	Pacific Telephone

6021 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Erlenbusch Wm D Rev & Karen	Pacific Bell

E Brighton Ln

6023 E Brighton Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	IRON GALLERY STORE	EDR Digital Archive
2010	IRON GALLERY STORE	EDR Digital Archive
2005	IRON GALLERY STORE	EDR Digital Archive

6025 E Brighton Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	WYSK CORP	EDR Digital Archive

E BRIGHTON LN

6025 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Ward alp lh E	Pacific Telephone
	Ward Randy & Tina	Pacific Telephone

6031 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Ducker Jim & Suzy	Pacific Bell

6033 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Kim Sun Wong & Kyung Sook	Pacific Bell
1986	Berry Wm H	Pacific Bell
1980	Berry Wm H	Pacific Telephone

6035 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Gross Robt J Jr	Pacific Bell

FINDINGS

6037 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Parker Barbara A	Pacific Bell
1980	Roberts Ron D	Pacific Telephone

6041 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Lauer Jon & Joan	Pacific Bell
1991	Lauer Jon & Joan	Pacific Bell
	Lauer Kathryn	Pacific Bell
1980	Wildenbergh Antoon V	Pacific Telephone

6043 E BRIGHTON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Williams Warren J	Pacific Bell
1991	Williams Jeffrey	Pacific Bell
	Williams Warren J	Pacific Bell

E CALLE PRINCIPIA

5955 E CALLE PRINCIPIA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Guirguls Geo	Pacific Bell

E Calle Principia

5959 E Calle Principia

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	QPN INVESTMENTS LLC	EDR Digital Archive
2010	QPN INVESTMENTS LLC	EDR Digital Archive
	AAA SOLAR ELECTRIC INC	EDR Digital Archive

5969 E Calle Principia

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MIR BAYGOM	EDR Digital Archive
2010	MIR BAYGOM	EDR Digital Archive
2005	MIR BAYGOM	EDR Digital Archive

5977 E Calle Principia

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BURRELL GROUP	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BURRELL GROUP	EDR Digital Archive
2005	BURRELL GROUP	EDR Digital Archive

E CALLE PRINCIPIA

5985 E CALLE PRINCIPIA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Genex Software Inc	Pacific Bell

E Calle Principia

5987 E Calle Principia

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	DELANEY FISHER ENTERPRISE	EDR Digital Archive

E CELA PRINCIPIA

5961 E CELA PRINCIPIA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Hiltibran F Thomas	Pacific Bell

E HILLCREST AVE

6006 E HILLCREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Stevens Bernard	Luskey Brothers & Co., Inc.

6007 E HILLCREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Stark D L	Pacific Bell
1980	Stark D L	Pacific Telephone
1975	Nero K B	Luskey Brothers & Co., Inc.

6010 E HILLCREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Fraker M R	Pacific Bell
	Fraker Thomas J	Pacific Bell
1975	Fabula Stephen J	Luskey Brothers & Co., Inc.
	Fabula Grace	Luskey Brothers & Co., Inc.

FINDINGS

6014 E HILLCREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Higgins Ronald R	Luskey Brothers & Co., Inc.

6015 E HILLCREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Madsen M & C	Pacific Bell
1991	Madsen M & C	Pacific Bell
1986	Bookwalter Joe R	Pacific Bell
1980	De Santi Hugo	Pacific Telephone

6019 E HILLCREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Doti Jas & Lynne Pierson	Pacific Telephone
1975	Bielefeld Wm F	Luskey Brothers & Co., Inc.
	Bielen Robert J MD Inc	Luskey Brothers & Co., Inc.

E Hillcrest Cir

6006 E Hillcrest Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MONACO OMNIMEDIA	EDR Digital Archive
2010	MONACO OMNIMEDIA	EDR Digital Archive

6014 E Hillcrest Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	CENTENNIAL LUMBER INC	EDR Digital Archive

6015 E Hillcrest Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	M C C M CORPORATION	EDR Digital Archive
2010	M C C M CORPORATION	EDR Digital Archive

E HILLCREST LN

6007 E HILLCREST LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Stark DL	Pacific Bell
1991	Stark DL	Pacific Bell

FINDINGS

E MARSHA CIR

5911 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Johnson Mark & Beth	Pacific Bell
	Johnson Mark & Becky @Huntington Beach@	Pacific Bell
	Johnson Mark B	Pacific Bell
1986	Marcon R D	Pacific Bell
	M T A Systems & Services	Pacific Bell
1980	Marcon R D	Pacific Telephone

E Marsha Cir

5920 E Marsha Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	E T CONSTRUCTION	EDR Digital Archive
2005	E T CONSTRUCTION	EDR Digital Archive

E MARSHA CIR

5920 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Duel Ebrahim Dr	Pacific Bell
1980	Duel Ebrahim Dr	Pacific Telephone

5921 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Carliss Joseph J	Pacific Bell
1980	L Carliss Jos J	Pacific Telephone

5930 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Devine Tom	Pacific Bell
1991	Devine Tom	Pacific Bell

5931 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Salley Ron	Pacific Bell
1991	Shandre Barry A	Pacific Bell
1986	Shandre Barry A	Pacific Bell
1980	I Shandre Barry A	Pacific Telephone

FINDINGS

E Marsha Cir

5940 E Marsha Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LOCALCUISINE	EDR Digital Archive
2010	LOCALCUISINE	EDR Digital Archive

E MARSHA CIR

5940 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Fisher John Bradon	Pacific Bell
1991	Fisher John C @Midway City@ Fisher John Bradon	Pacific Bell Pacific Bell
1980	Mazzotta Pat W	Pacific Telephone

5951 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Wilson David A	Pacific Bell
1991	Wilson David A	Pacific Bell
1980	Borin Harlan F	Pacific Telephone

5960 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Rogers Max	Pacific Bell
1991	Rogers Max	Pacific Bell
1986	Rogers Max	Pacific Bell
1980	Rogers Max	Pacific Telephone

5961 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Tri Tech Graphics Inc	Pacific Bell
1991	Tn Tech Graphics Inc	Pacific Bell
1980	Thirteen West Marketing	Pacific Telephone

E Marsha Cir

5970 E Marsha Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	SCG FREIGHT SYSTEMS LLC	EDR Digital Archive

FINDINGS

E MARSHA CIR

5970 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Goode Jas T	Pacific Bell
1980	Nolin Bruce E	Pacific Telephone

5971 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Sarrach Stephanie	Pacific Bell
	Sarrach Klaus	Pacific Bell
	Voice&Ti D	Pacific Bell
1986	Sarrach Klaus	Pacific Bell
1980	Sarrach Klaus	Pacific Telephone

5975 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Goode Jas T	Pacific Bell

E Marsha Cir

5980 E Marsha Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BAILEY NINA S MD	EDR Digital Archive
2010	BAILEY NINA S MD	EDR Digital Archive
2005	BAILEY NINA S MD	EDR Digital Archive

E MARSHA CIR

5980 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Serres Mark	Pacific Bell
1991	Serres Mark	Pacific Bell
1986	Donahue Harland	Pacific Bell
1980	Donahue Harland	Pacific Telephone

E Marsha Cir

5991 E Marsha Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	DALCO ENGINEERING	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	DAVID EVE	EDR Digital Archive

E MARSHA CIR

5991 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Eve David	Pacific Bell
1991	Eve David	Pacific Bell
1986	Deckel Corp	Pacific Bell
	Eve David	Pacific Bell
1980	Eve David	Pacific Telephone

E Marsha Cir

5999 E Marsha Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LAMEL INC	EDR Digital Archive
2010	LAMEL INC	EDR Digital Archive

E MARSHA CIR

5999 E MARSHA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Hayes David M H&	Pacific Bell
	Hayes David A	Pacific Bell
	Hayes David T.	Pacific Bell
1986	Hayes David A	Pacific Bell
1980	Hayes David A	Pacific Telephone

E RIDGEWOOD CT

6000 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Knecht Gary	Pacific Bell

6006 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Mitchell Mark	Pacific Bell
1991	Mitchell Mark	Pacific Bell
1980	Mahdian Jan	Pacific Telephone

FINDINGS

6007 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Aspis Norman	Pacific Bell

E Ridgewood Ct

6011 E Ridgewood Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GEOQUAKE	EDR Digital Archive

E RIDGEWOOD CT

6012 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Toth Jos S	Pacific Bell

6017 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Petrey Karl R Atty	Pacific Bell

6028 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Fullerton Jack L & S	Pacific Bell
1991	Fullerton Jack L & S	Pacific Bell
1986	Fullerton Jack L & S	Pacific Bell
1980	ulerton Jack L & S	Pacific Telephone

6031 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Ortiz A	Pacific Bell

6036 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Askew Sherry	Pacific Bell
1991	Askew Sherry	Pacific Bell
	Askew Khris	Pacific Bell
1986	Diamond Limousine	Pacific Bell

6039 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Sisco Ralph E & Ruth A	Pacific Bell
1980	Yan Donald & Irene	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Yan Harry I Cattail Irvt	Pacific Telephone

6065 E RIDGEWOOD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Moore Sharon M	Pacific Bell
	Elliott Roger B	Pacific Bell
1986	Martin M	Pacific Bell
1980	Timme Richard C	Pacific Telephone

S CEL IE DE CASAS

520 S CEL IE DE CASAS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Takahashi J	Pacific Bell

S HILLCREST

259 S HILLCREST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Hiraoka Nelson S	Pacific Bell

264 S HILLCREST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Strader Dana	Luskey Brothers & Co., Inc.

267 S HILLCREST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Paynter LA	Pacific Bell

269 S HILLCREST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Earle Jack E	Pacific Bell
1980	Earle Jack E	Pacific Telephone

273 S HILLCREST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Hunt Melvin W	Pacific Telephone

277 S HILLCREST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Browe David B	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Kaiki C	Pacific Bell
	Kalki C	Pacific Bell
1975	Kajiki J	Luskey Brothers & Co., Inc.

S HILLCREST ST

263 S HILLCREST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Labarber Debra	Pacific Bell

S Hillcrest St

267 S Hillcrest St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PAYNTER MARK	EDR Digital Archive
2010	PAYNTER MARK	EDR Digital Archive

S HILLCREST ST

277 S HILLCREST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Browe David B	Pacific Bell

S Leandro St

269 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CRAIGS HANDYMAN SERVICE	EDR Digital Archive
2010	PRODUCT GROUP	EDR Digital Archive
	PRODUCTECHOLOGIES INC	EDR Digital Archive
2005	PRODUCTECHOLOGIES INC	EDR Digital Archive

S LEANDRO ST

269 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Ranney R	Pacific Bell
	Ranney Robert D	Pacific Bell
1986	Rich Ley Real Estate	Pacific Bell
1980	Continental Refrigeration Appliances	Pacific Telephone
	Chu Shirley	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Continental Realty Assn	Pacific Telephone

S Leandro St

273 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HAZEM HOSEIN MD PC	EDR Digital Archive
	PRO CLEANING SYSTEM	EDR Digital Archive

S LEANDRO ST

274 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Joubran Inshirah	Pacific Telephone
	Joubran Faraj	Pacific Telephone

277 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Clark Donsi E	Pacific Telephone

S Leandro St

278 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	COMPUTER 101 FOR KIDS	EDR Digital Archive
2005	COMPUTER 101 FOR KIDS	EDR Digital Archive

S LEANDRO ST

278 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Rogers Robt B	Pacific Telephone

S Leandro St

284 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ZIEMANN GUSTAVE G JR	EDR Digital Archive
	FENCE MASTERS	EDR Digital Archive
2010	ZIEMANN GUSTAVE G JR	EDR Digital Archive
	FENCE MASTERS	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	ZIEMANN GUSTAVE G JR	EDR Digital Archive
	FENCE MASTERS	EDR Digital Archive

S LEANDRO ST

284 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Ziemann Gus G Jr	Pacific Telephone

285 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Olsen Darrell G	Pacific Bell
1991	Olsen Darrell G	Pacific Bell
1986	Darst Janet Hendrex	Pacific Bell
	Darst J	Pacific Bell
1980	Darst Janet Hendrex	Pacific Telephone
	Darst J	Pacific Telephone

S Leandro St

288 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	KW INSURANCE SERVICES	EDR Digital Archive
2010	KW INSURANCE SERVICES	EDR Digital Archive

S LEANDRO ST

289 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Hoops Brent & Lori	Pacific Bell

292 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	teris Thos R Jr	Pacific Telephone

293 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Martin Jas G	Pacific Bell
1980	Martin Jas G	Pacific Telephone

FINDINGS

S Leandro St

294 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LEE ANN LOMBARDO LCSW	EDR Digital Archive

S LEANDRO ST

295 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Rossi Robert	Pacific Bell
1991	Shim Steve Sangkwon Rev	Pacific Bell
1986	Hill Harvey H	Pacific Bell
1980	ill Harvey H	Pacific Telephone

S Leandro St

296 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	SAMUEL BISGAY MD	EDR Digital Archive

S LEANDRO ST

296 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Anthony ichard	Pacific Telephone

S Leandro St

298 S Leandro St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	COMPTONS RANCH	EDR Digital Archive

S LEANDRO ST

298 S LEANDRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Compton Wes	Pacific Bell
1980	Lund David	Pacific Telephone

FINDINGS

S SOLOMON DR

278 S SOLOMON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Kaup Peter H	Pacific Bell
1986	Bogott Laune	Pacific Bell
	Kaup Peter H	Pacific Bell
1980	Kaup Peter H	Pacific Telephone

285 S SOLOMON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Wigginton Jas C CPA	Pacific Telephone

290 S SOLOMON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Porinchak Jay & Carol	Pacific Bell
	PorInchak Jay & Carol	Pacific Bell
1991	Porinchak Jay & Carol	Pacific Bell
	Porinchak Jay & Carol	Pacific Bell
1986	Ponnchak Jay & Carol	Pacific Bell
	Ponnchak ay & Carol	Pacific Bell
1980	Portnchak J Ms	Pacific Telephone

294 S SOLOMON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Homiczewski Richard A	Pacific Bell
1986	Homiczewski Richard A	Pacific Bell
1980	Homiczewski Richard A	Pacific Telephone

295 S SOLOMON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Monticello Strawberries	Pacific Bell

S Solomon Dr

298 S Solomon Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CARDIAC CONSULTING SVCS A PROF	EDR Digital Archive
2010	CARDIAC CONSULTING SVCS A PROF	EDR Digital Archive

FINDINGS

S SOLOMON DR

298 S SOLOMON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Do Tien @Anaheim@	Pacific Bell

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

Nohl Ranch Road

Address Not Identified in Research Source

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

259 S HILLCREST

Address Not Identified in Research Source

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

263 S HILLCREST ST

2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

264 S HILLCREST

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

267 S HILLCREST

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

267 S Hillcrest St

2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

269 S HILLCREST

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

269 S LEANDRO ST

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

269 S Leandro St

2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

273 S HILLCREST

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

273 S Leandro St

2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

274 S LEANDRO ST

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
295 S LEANDRO ST	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
295 S SOLOMON DR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
296 S LEANDRO ST	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
296 S Leandro St	2014, 2010, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
298 S Leandro St	2014, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
298 S LEANDRO ST	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
298 S SOLOMON DR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
298 S Solomon Dr	2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
520 S CEL IE DE CASAS	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5920 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5920 E Marsha Cir	2014, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5930 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5940 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5940 E Marsha Cir	2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

Address Not Identified in Research Source

5951 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5955 E CALLE PRINCIPIA	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5959 E Calle Principia	2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5960 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5961 E CELA PRINCIPIA	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5961 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5969 E Calle Principia	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5970 E Marsha Cir	2014, 2010, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5970 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5971 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5975 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5977 E Calle Principia	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5980 E Marsha Cir	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5980 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5985 E CALLE PRINCIPIA	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5987 E Calle Principia	2014, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5991 E Marsha Cir	2014, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

Address Not Identified in Research Source

5991 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5999 E MARSHA CIR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5999 E Marsha Cir	2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6000 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6003 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6005 E Brighton Ln	2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6006 E HILLCREST AVE	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6006 E Hillcrest Cir	2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6006 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6007 E HILLCREST AVE	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6007 E HILLCREST LN	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6007 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6010 E HILLCREST AVE	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6011 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6011 E Ridgewood Ct	2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6012 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6014 E HILLCREST AVE	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

Address Not Identified in Research Source

6014 E Hillcrest Cir	2014, 2010, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6015 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6015 E HILLCREST AVE	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6015 E Hillcrest Cir	2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6017 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6017 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6019 E HILLCREST AVE	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6021 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6023 E Brighton Ln	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6025 E Brighton Ln	2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6025 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6028 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6031 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6031 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6033 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6035 E BRIGHTON LN	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6036 E RIDGEWOOD CT	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

6037 E BRIGHTON LN

6039 E RIDGEWOOD CT

6041 E BRIGHTON LN

6043 E BRIGHTON LN

6065 E RIDGEWOOD CT

Address Not Identified in Research Source

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2014, 2010, 2005, 2002, 2001, 1997, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

Certified Sanborn® Map Report

04/10/18

Site Name:

Nohl Ranch Open Space Trail
Nohl Ranch Road
Anaheim, CA 92807
EDR Inquiry # 5253892.3

Client Name:

LSA Associates
20 Executive Park
Irvine, CA 92614
Contact: Shelby Cramton



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by LSA Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # EA2C-44D4-8192
PO # GHD1702, Phase 4.06
Project Nohl Ranch Open Space Trail

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: EA2C-44D4-8192

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

LSA Associates (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Nohl Ranch Open Space Trail

Nohl Ranch Road

Anaheim, CA 92807

Inquiry Number: 5253892.4

April 10, 2018

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/10/18

Site Name:

Nohl Ranch Open Space Trail
Nohl Ranch Road
Anaheim, CA 92807
EDR Inquiry # 5253892.4

Client Name:

LSA Associates
20 Executive Park
Irvine, CA 92614
Contact: Shelby Cramton



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by LSA Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	GHD1702, Phase 4.06	Latitude:	33.845365 33° 50' 43" North
Project:	Nohl Ranch Open Space Trail	Longitude:	-117.782051 -117° 46' 55" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	427647.82
		UTM Y Meters:	3745285.59
		Elevation:	466.23' above sea level

Maps Provided:

2012	1932
1981	1902
1972	1901
1964	1898
1950	1896
1949	
1942	
1935	

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



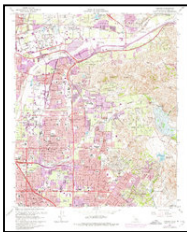
Orange
2012
7.5-minute, 24000

1981 Source Sheets



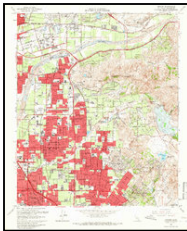
Orange
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Orange
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Orange
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1950 Source Sheets



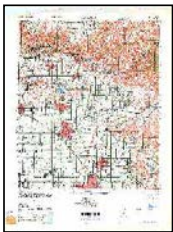
Orange
1950
7.5-minute, 24000
Aerial Photo Revised 1946

1949 Source Sheets



Orange
1949
7.5-minute, 24000
Aerial Photo Revised 1946

1942 Source Sheets



ANAHEIM
1942
15-minute, 50000

1935 Source Sheets



Orange
1935
7.5-minute, 31680

Topo Sheet Key

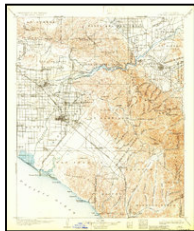
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1932 Source Sheets



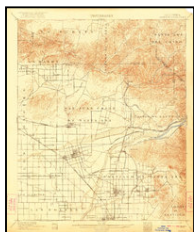
Orange
1932
7.5-minute, 31680

1902 Source Sheets



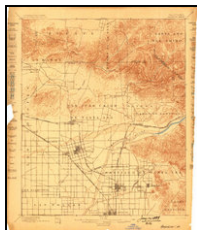
Corona
1902
30-minute, 125000

1901 Source Sheets



Anaheim
1901
15-minute, 62500

1898 Source Sheets

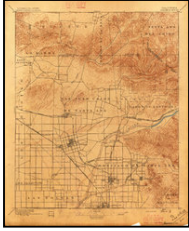


Anaheim
1898
15-minute, 62500

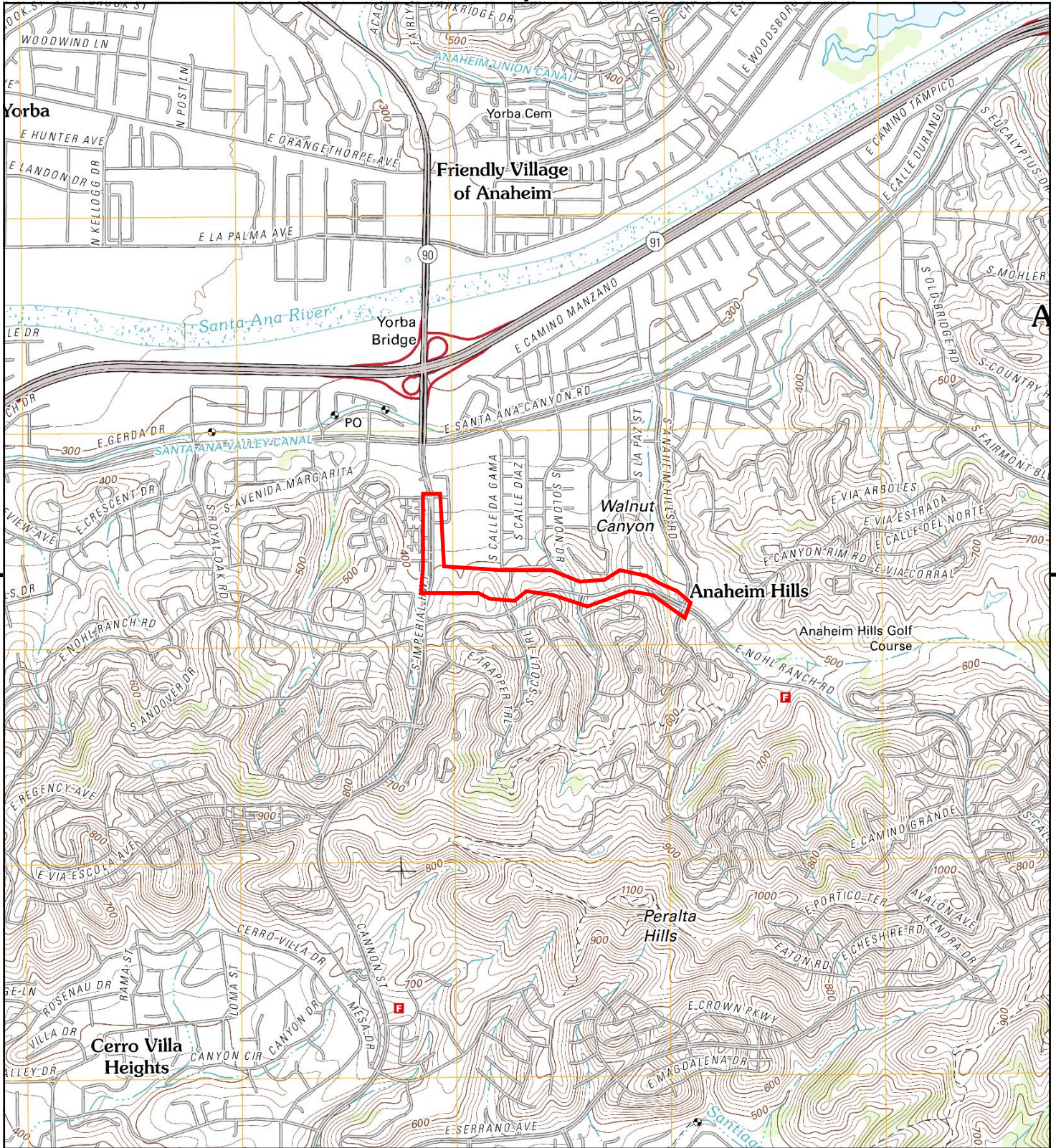
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1896 Source Sheets



Anaheim
1896
15-minute, 62500



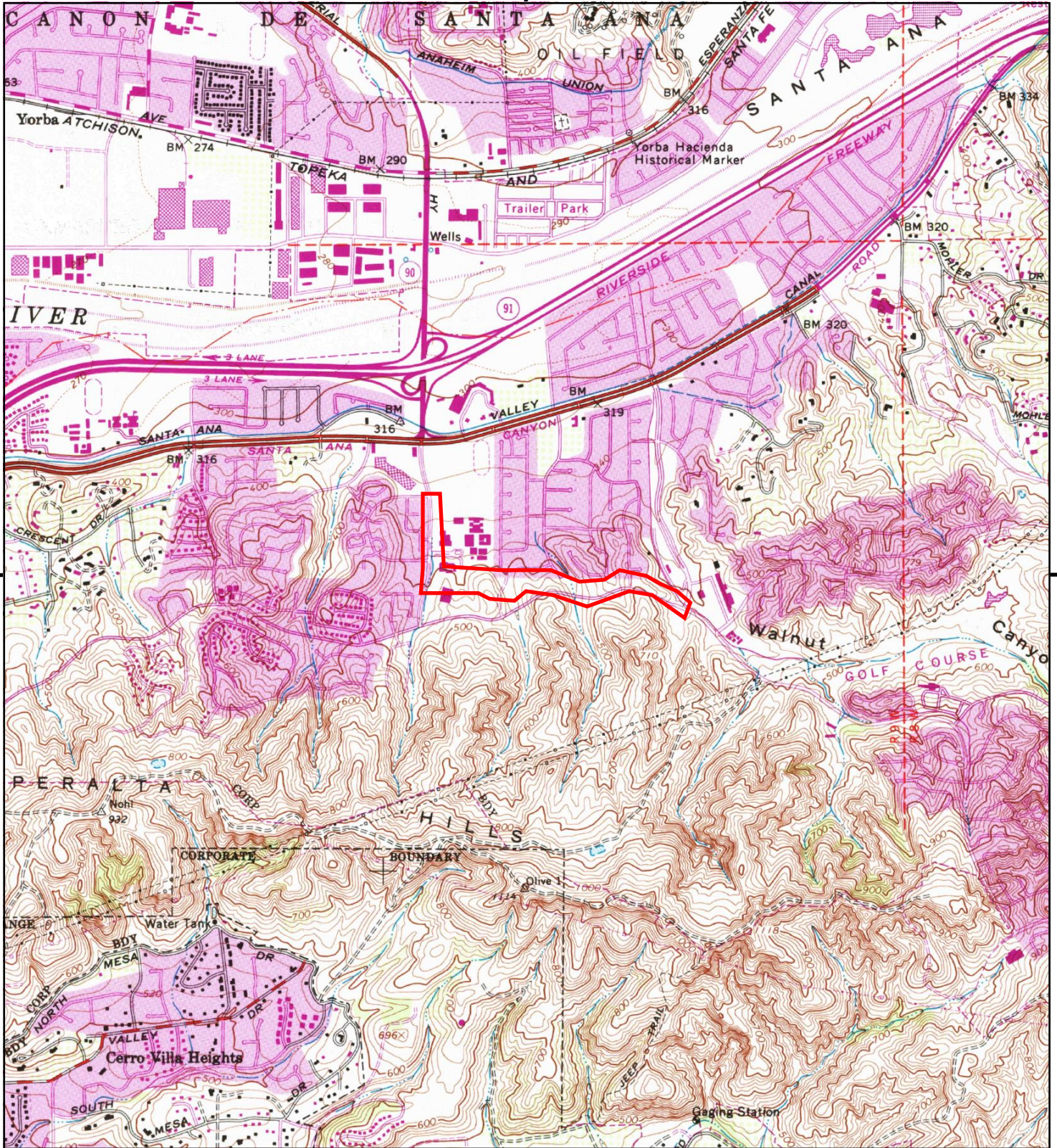
This report includes information from the following map sheet(s).



TP, Orange, 2012, 7.5-minute

SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
CLIENT: LSA Associates





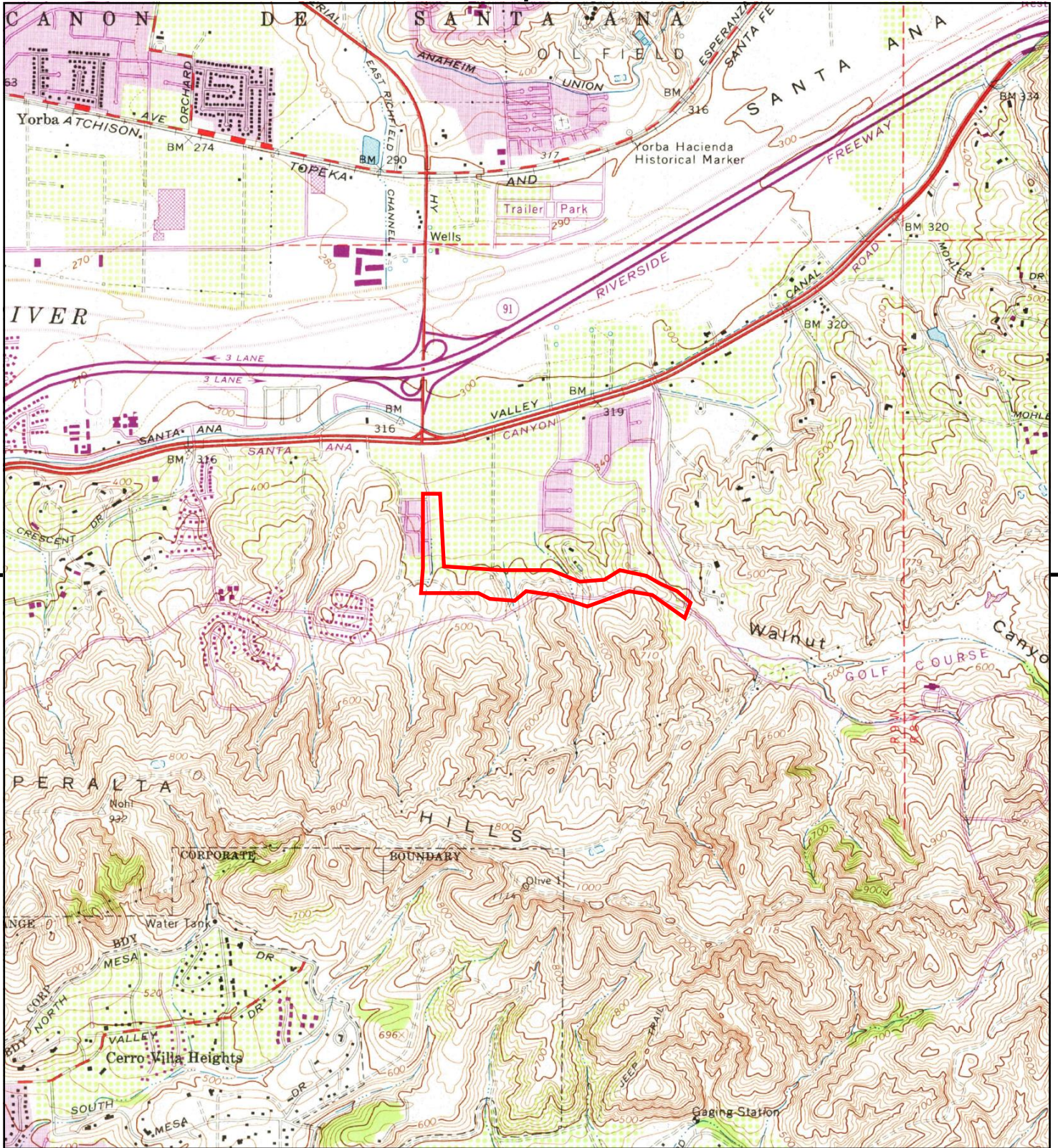
This report includes information from the following map sheet(s).



TP, Orange, 1981, 7.5-minute

SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
 CLIENT: LSA Associates





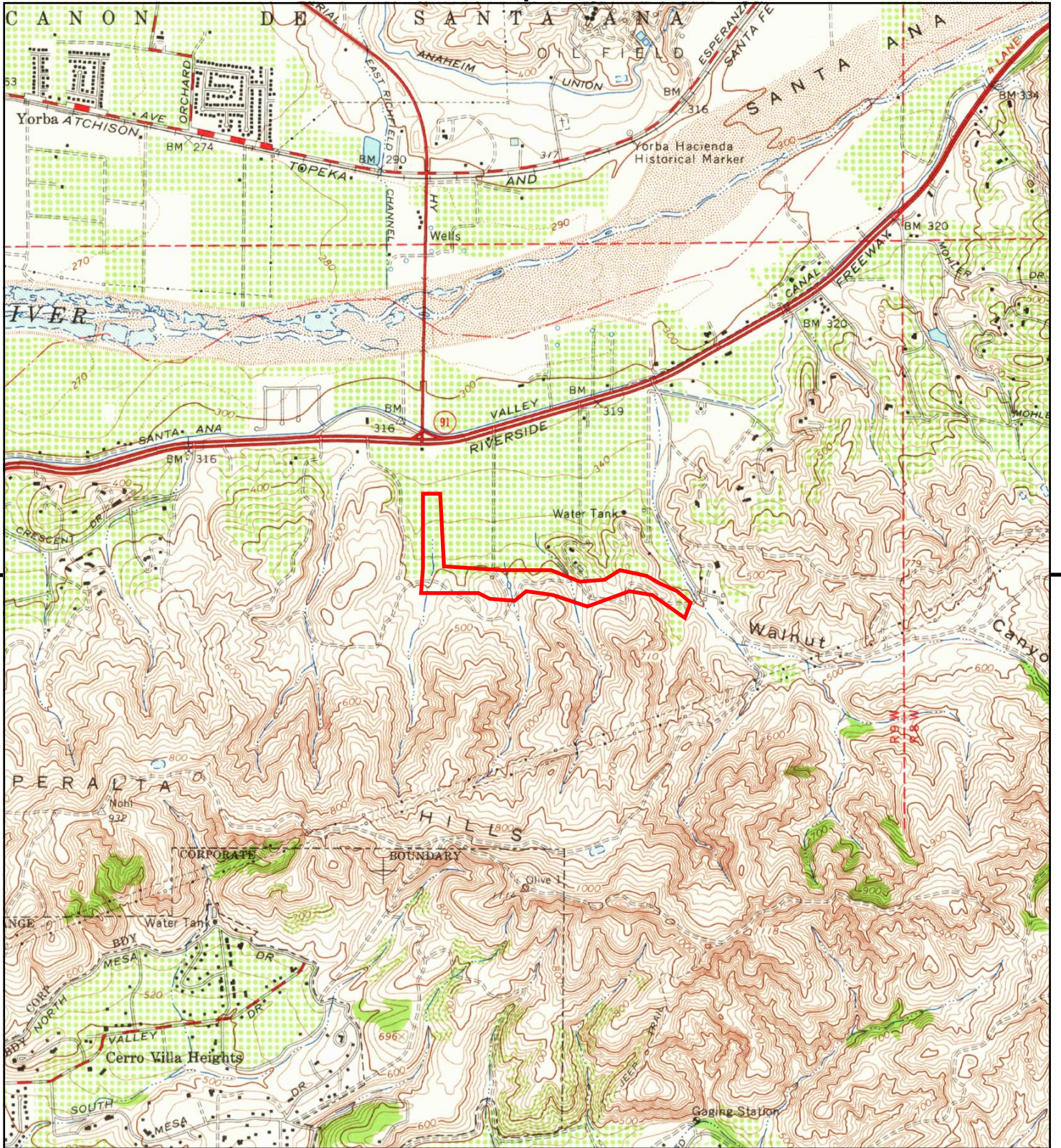
This report includes information from the following map sheet(s).



TP, Orange, 1972, 7.5-minute

SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
CLIENT: LSA Associates





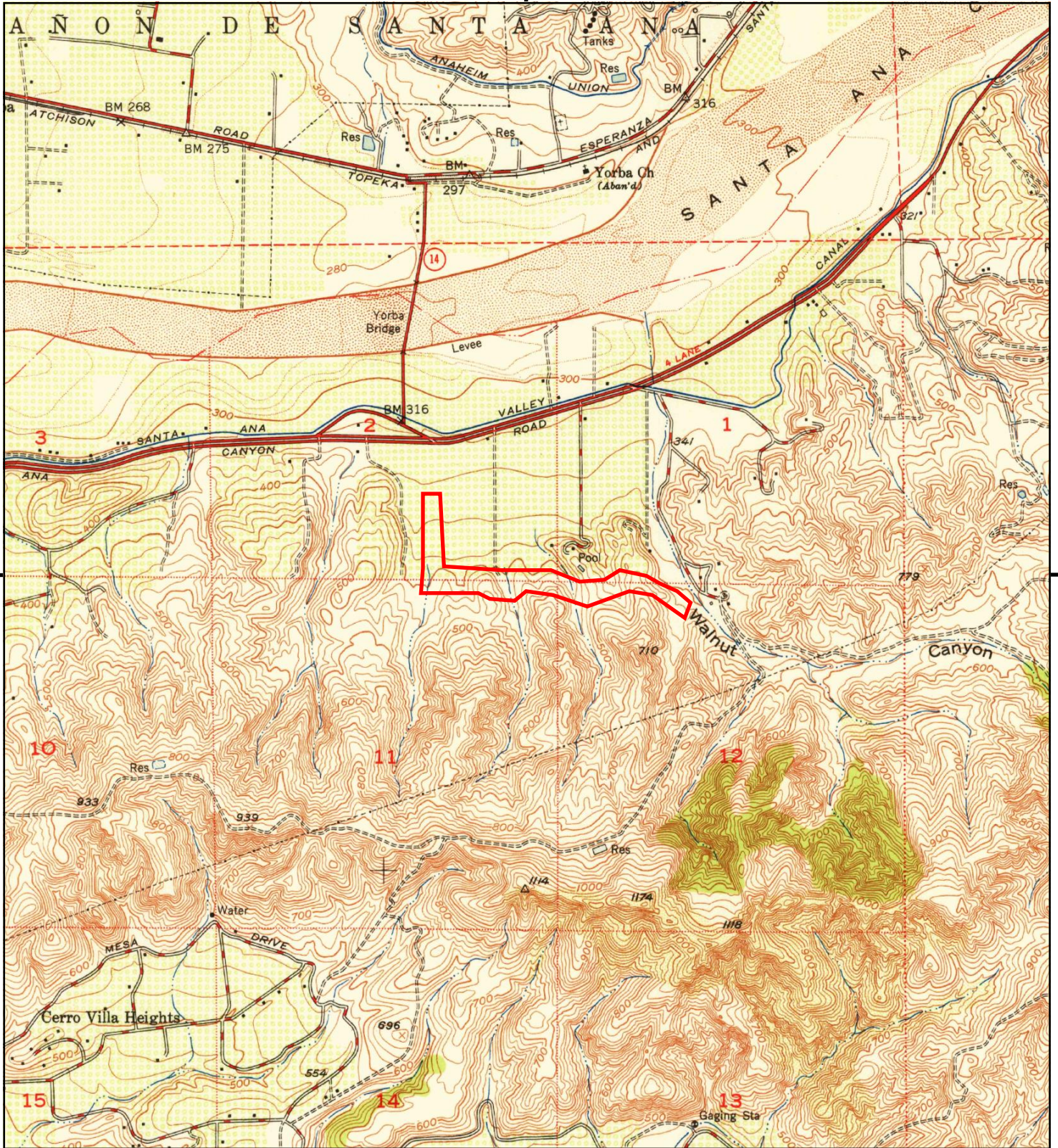
This report includes information from the following map sheet(s).



TP, Orange, 1964, 7.5-minute

SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
CLIENT: LSA Associates





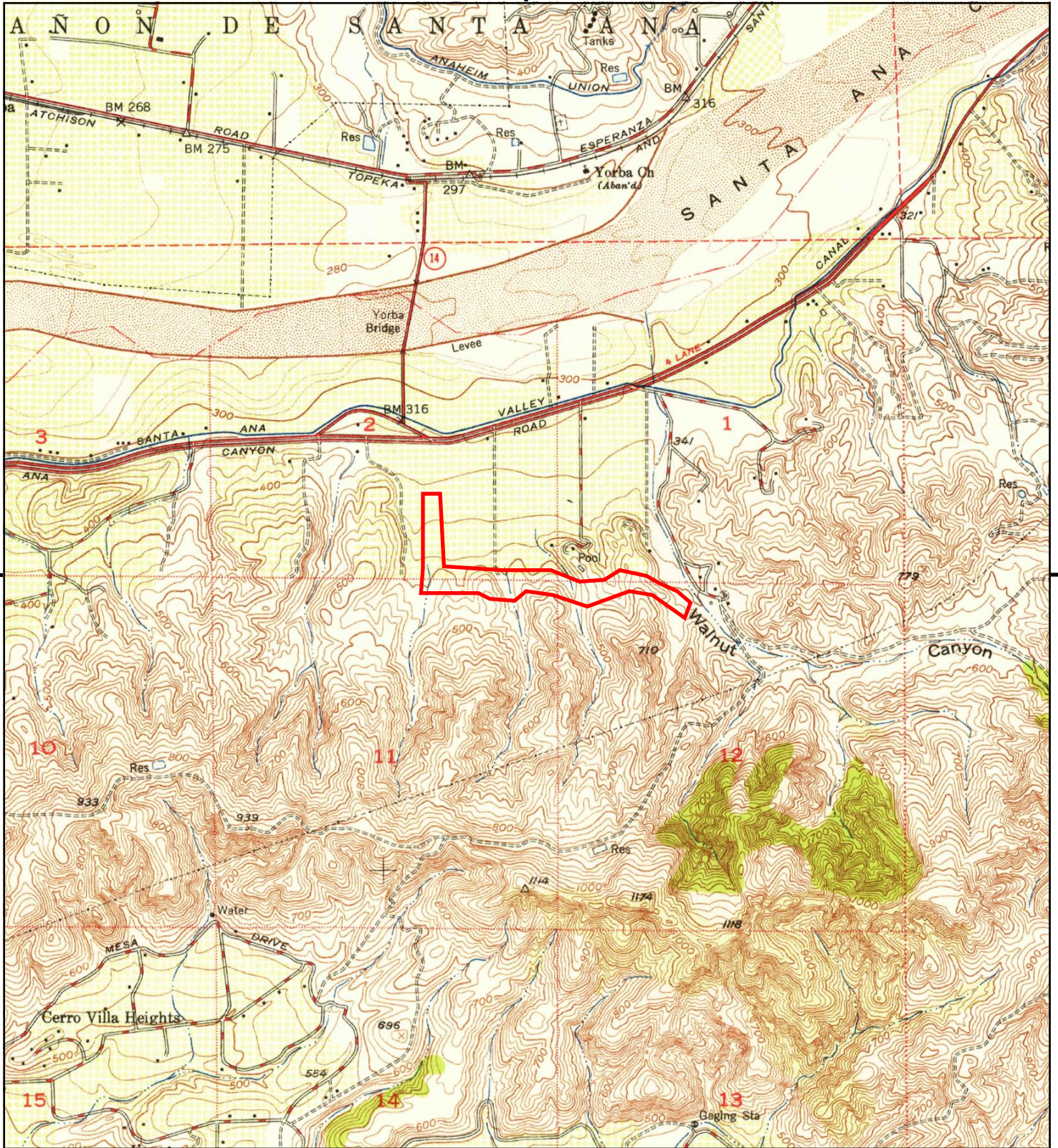
This report includes information from the following map sheet(s).



TP, Orange, 1950, 7.5-minute

SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
CLIENT: LSA Associates





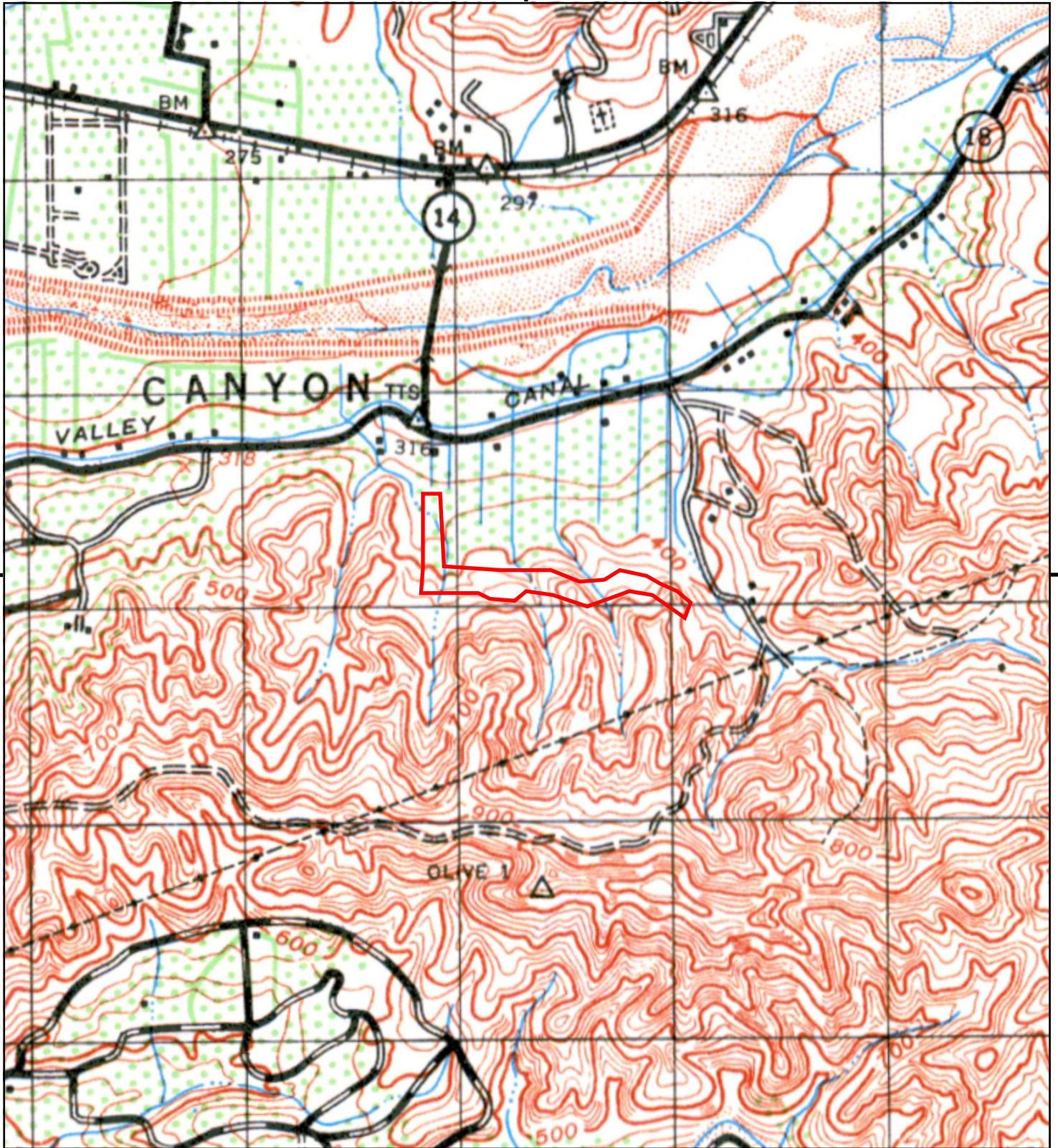
This report includes information from the following map sheet(s).



TP, Orange, 1949, 7.5-minute

SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
CLIENT: LSA Associates





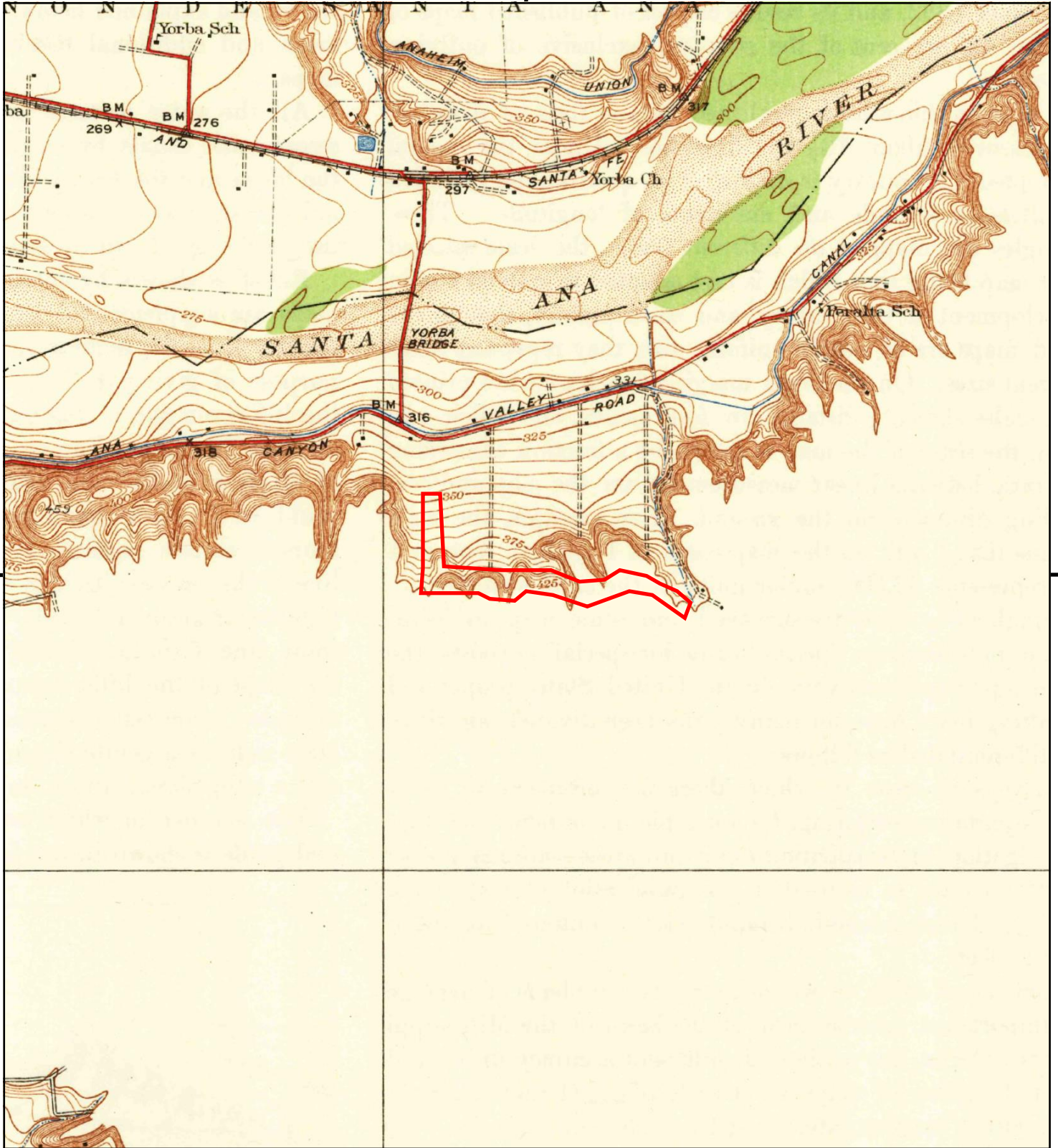
This report includes information from the following map sheet(s).



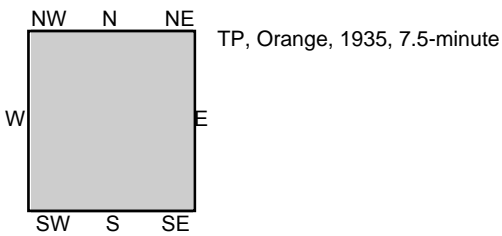
TP, ANAHEIM, 1942, 15-minute

SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
Anaheim, CA 92807
CLIENT: LSA Associates



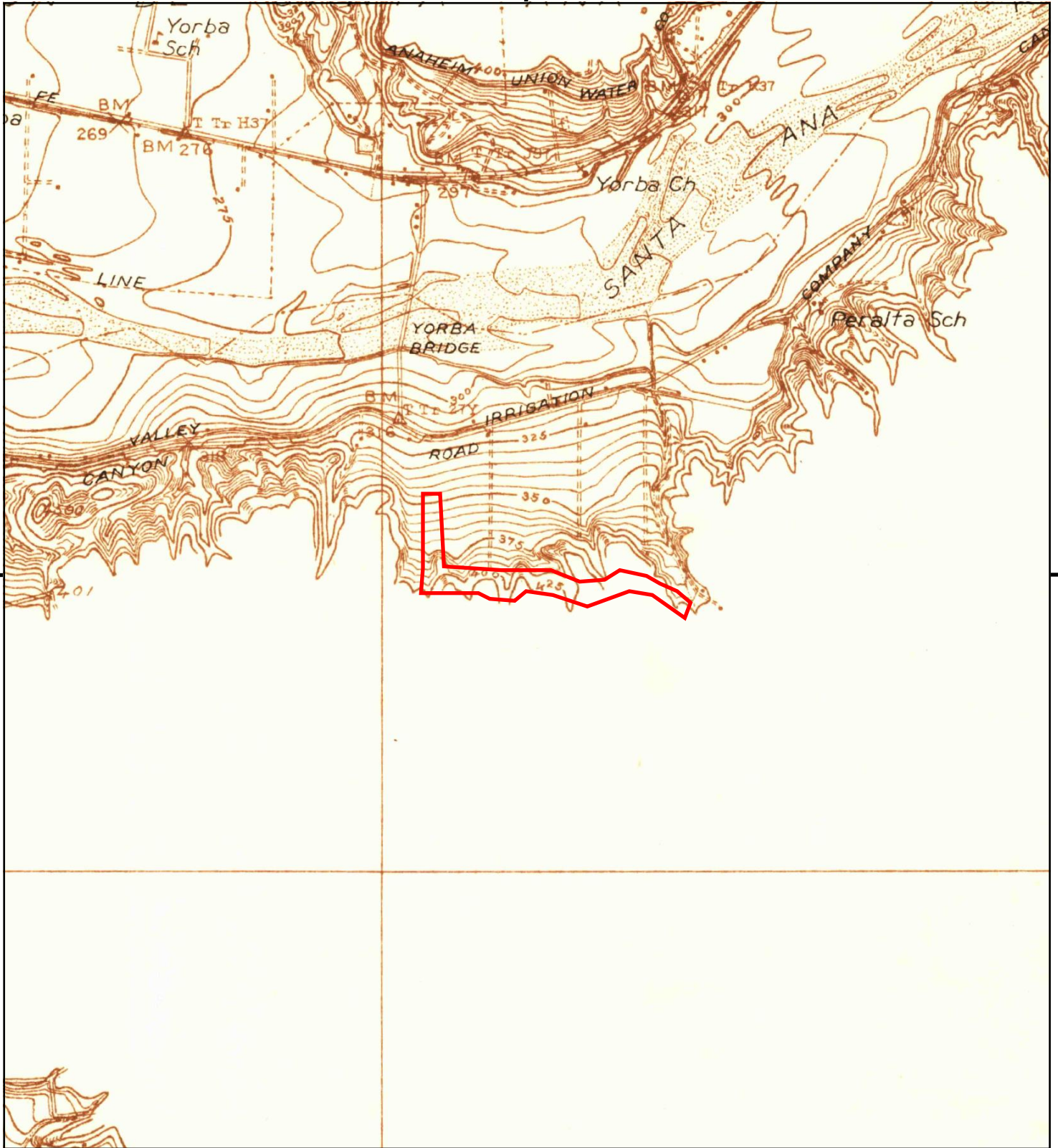


This report includes information from the following map sheet(s).

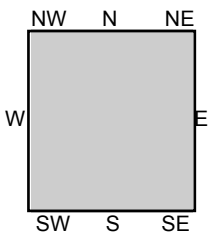
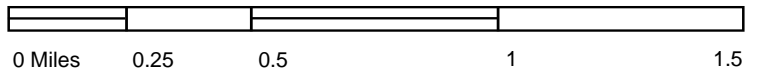


SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
 CLIENT: LSA Associates





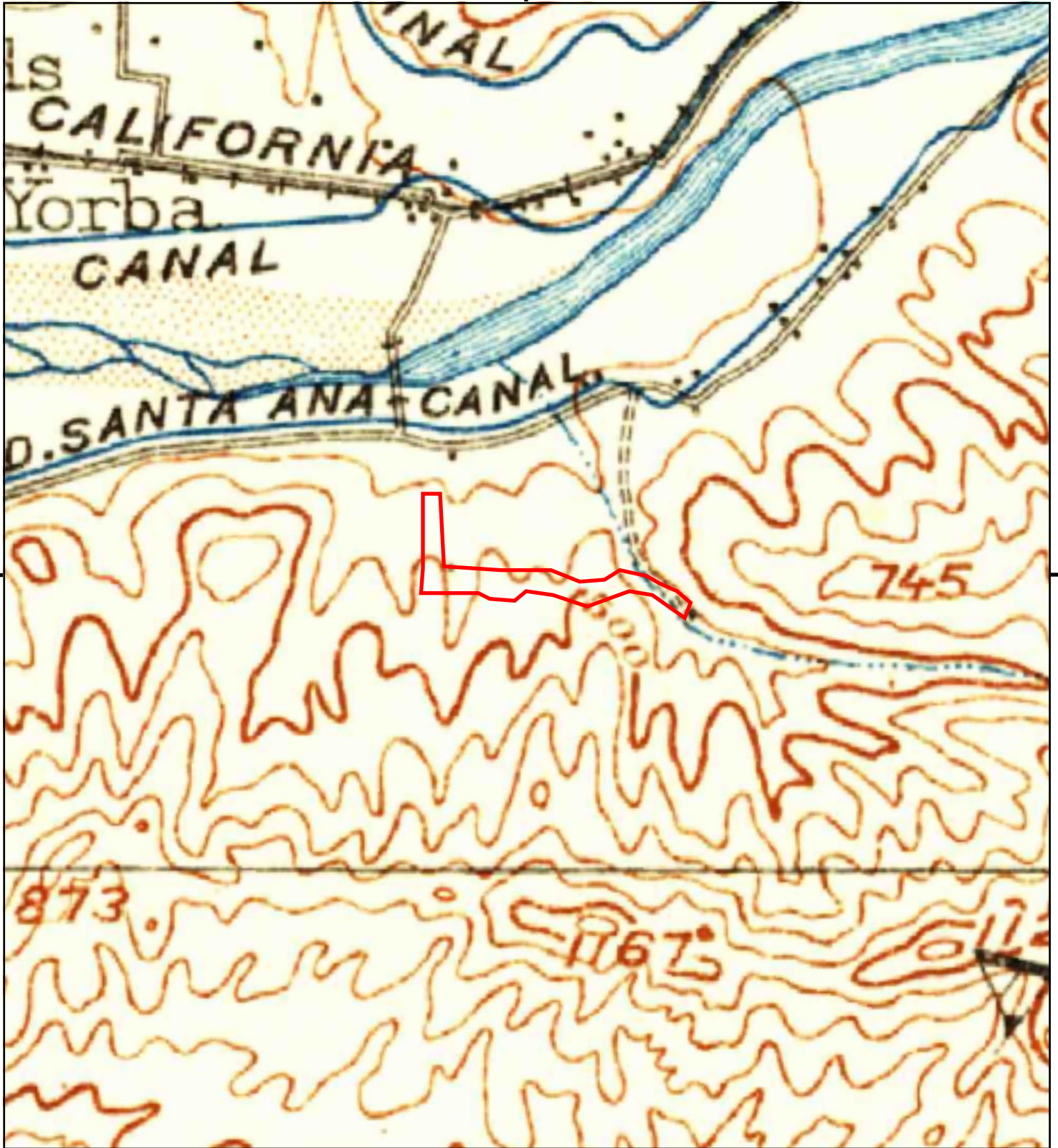
This report includes information from the following map sheet(s).



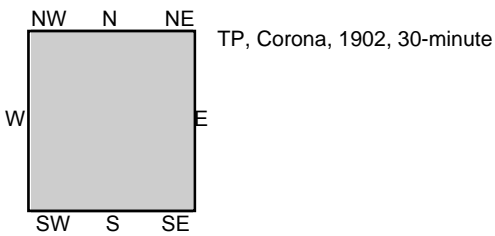
TP, Orange, 1932, 7.5-minute

SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
 CLIENT: LSA Associates



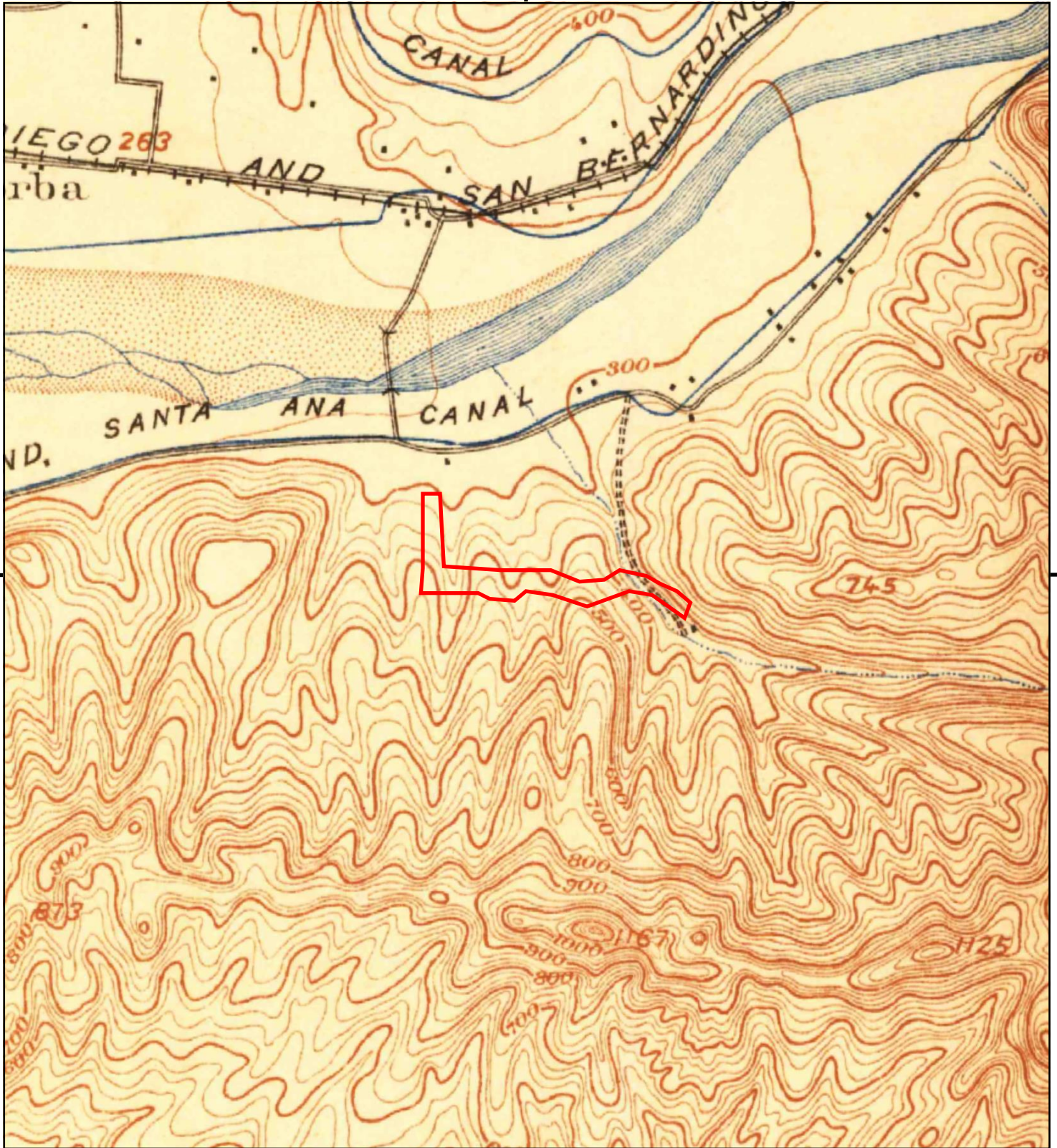


This report includes information from the following map sheet(s).



SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
 CLIENT: LSA Associates





This report includes information from the following map sheet(s).



TP, Anaheim, 1901, 15-minute

SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
 CLIENT: LSA Associates





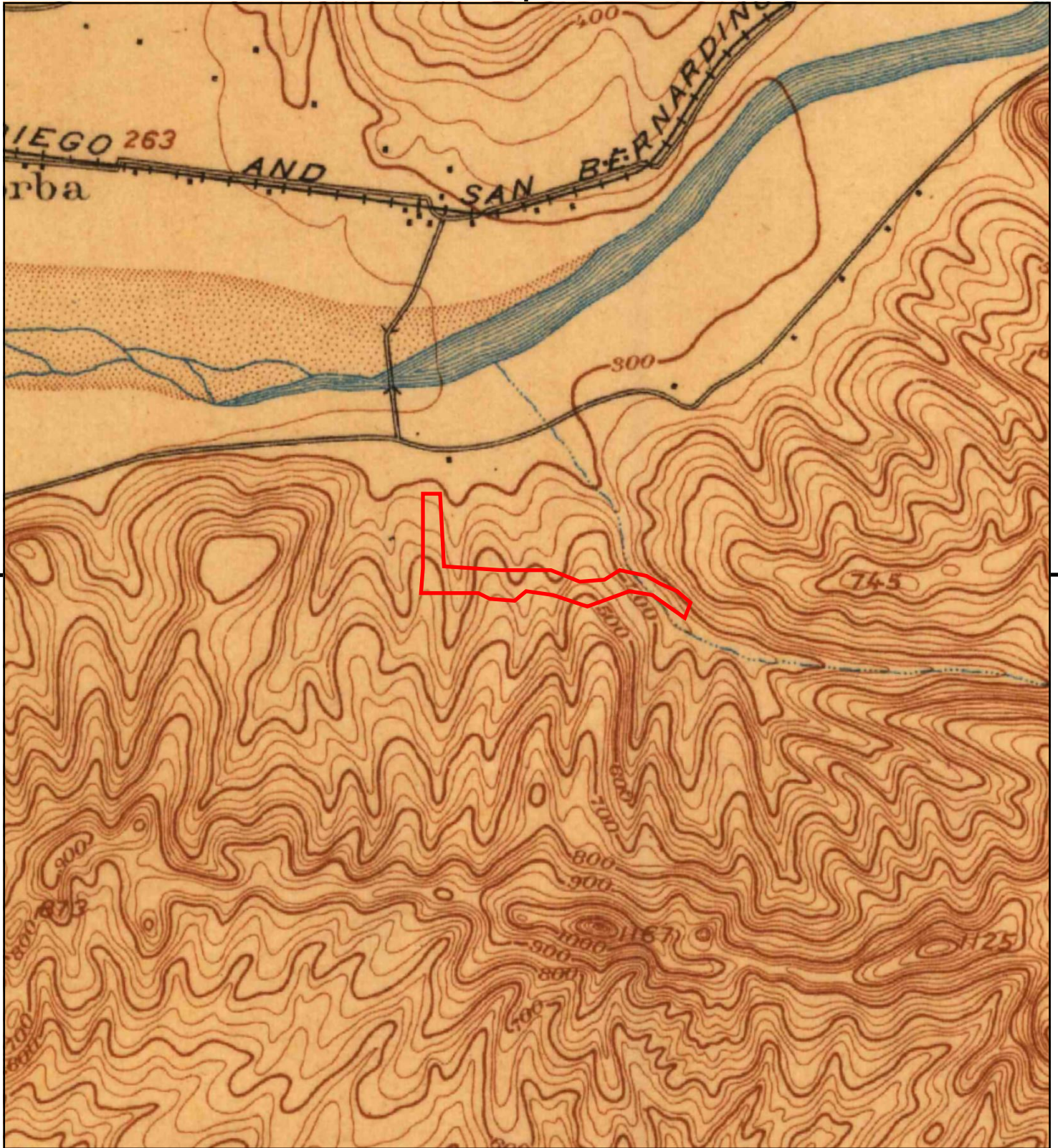
This report includes information from the following map sheet(s).



TP, Anaheim, 1898, 15-minute

SITE NAME: Nohl Ranch Open Space Trail
 ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
 CLIENT: LSA Associates





This report includes information from the following map sheet(s).



TP, Anaheim, 1896, 15-minute

SITE NAME: Nohl Ranch Open Space Trail
ADDRESS: Nohl Ranch Road
 Anaheim, CA 92807
CLIENT: LSA Associates





Nohl Ranch Open Space Trail

Nohl Ranch Road

Anaheim, CA 92807

Inquiry Number: 5253892.9

April 12, 2018

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/12/18

Site Name:

Nohl Ranch Open Space Trail
Nohl Ranch Road
Anaheim, CA 92807
EDR Inquiry # 5253892.9

Client Name:

LSA Associates
20 Executive Park
Irvine, CA 92614
Contact: Shelby Cramton



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2014	1"=625'	Flight Year: 2014	USDA/NAIP
2010	1"=625'	Flight Year: 2010	USDA/NAIP
2005	1"=625'	Flight Year: 2005	USDA/NAIP
1994	1"=625'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=625'	Flight Date: August 03, 1989	USDA
1985	1"=625'	Flight Date: September 13, 1985	USDA
1977	1"=625'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1972	1"=625'	Flight Date: October 30, 1972	USGS
1966	1"=625'	Flight Date: April 16, 1966	USGS
1963	1"=625'	Flight Date: February 28, 1963	USGS
1953	1"=625'	Flight Date: January 01, 1953	USGS
1952	1"=625'	Flight Date: December 26, 1952	USDA
1946	1"=625'	Flight Date: December 29, 1946	USGS
1938	1"=625'	Flight Date: June 14, 1938	USDA

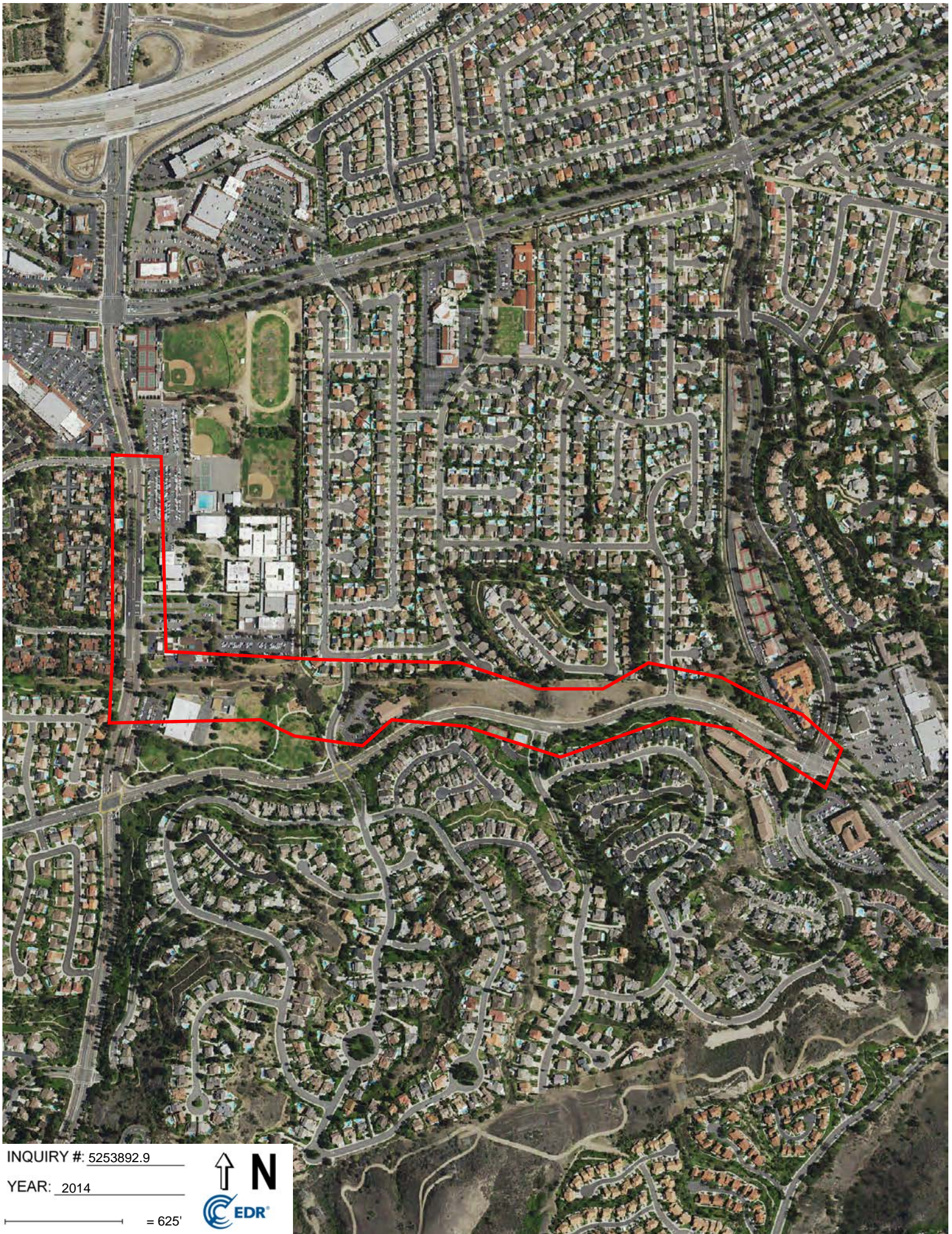
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 5253892.9

YEAR: 2014

— = 625'





INQUIRY #: 5253892.9

YEAR: 2010

— = 625'





INQUIRY #: 5253892.9

YEAR: 2005

— = 625'





INQUIRY #: 5253892.9

YEAR: 1994

 = 625'





INQUIRY #: 5253892.9

YEAR: 1989

— = 625'



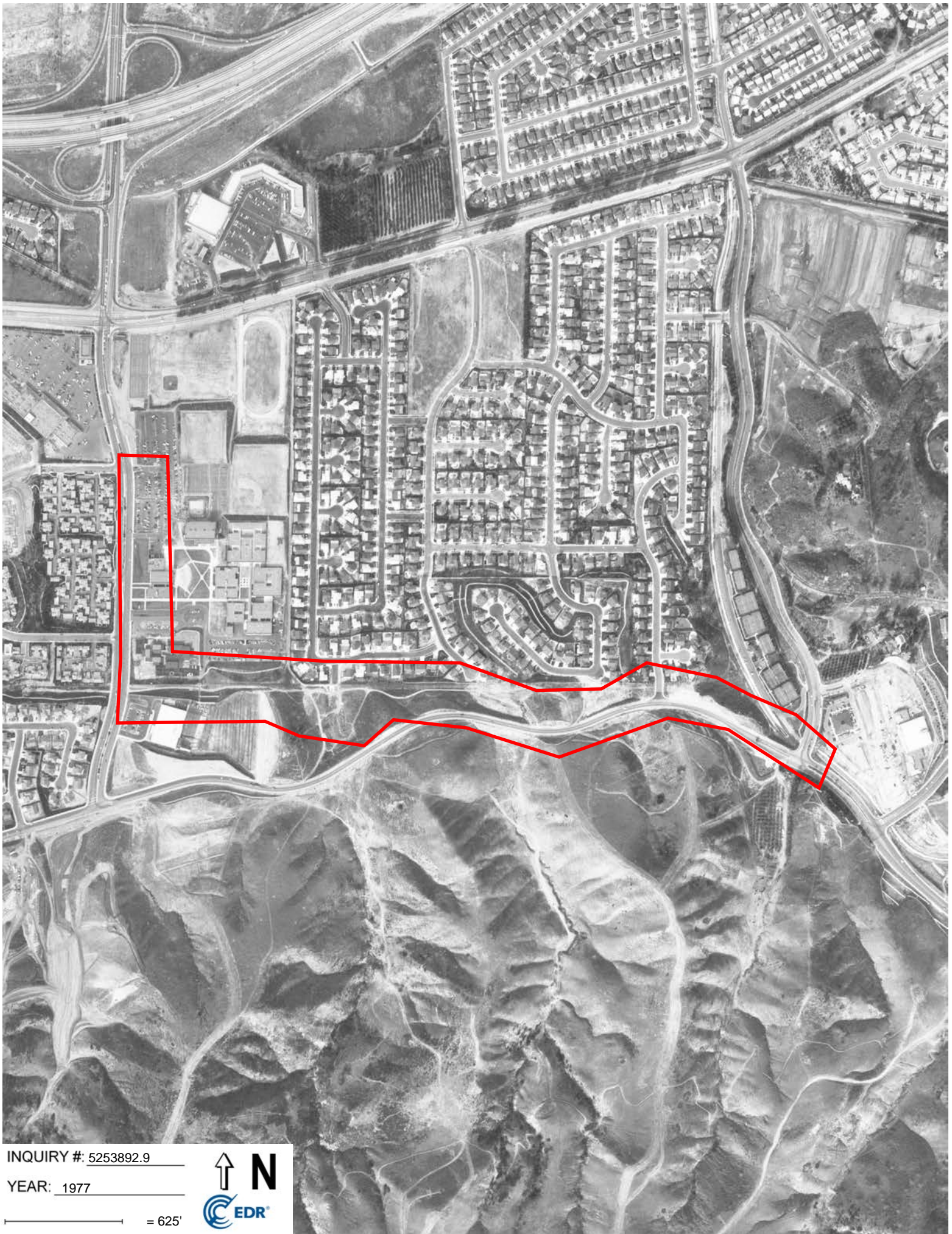


INQUIRY #: 5253892.9

YEAR: 1985

— = 625'



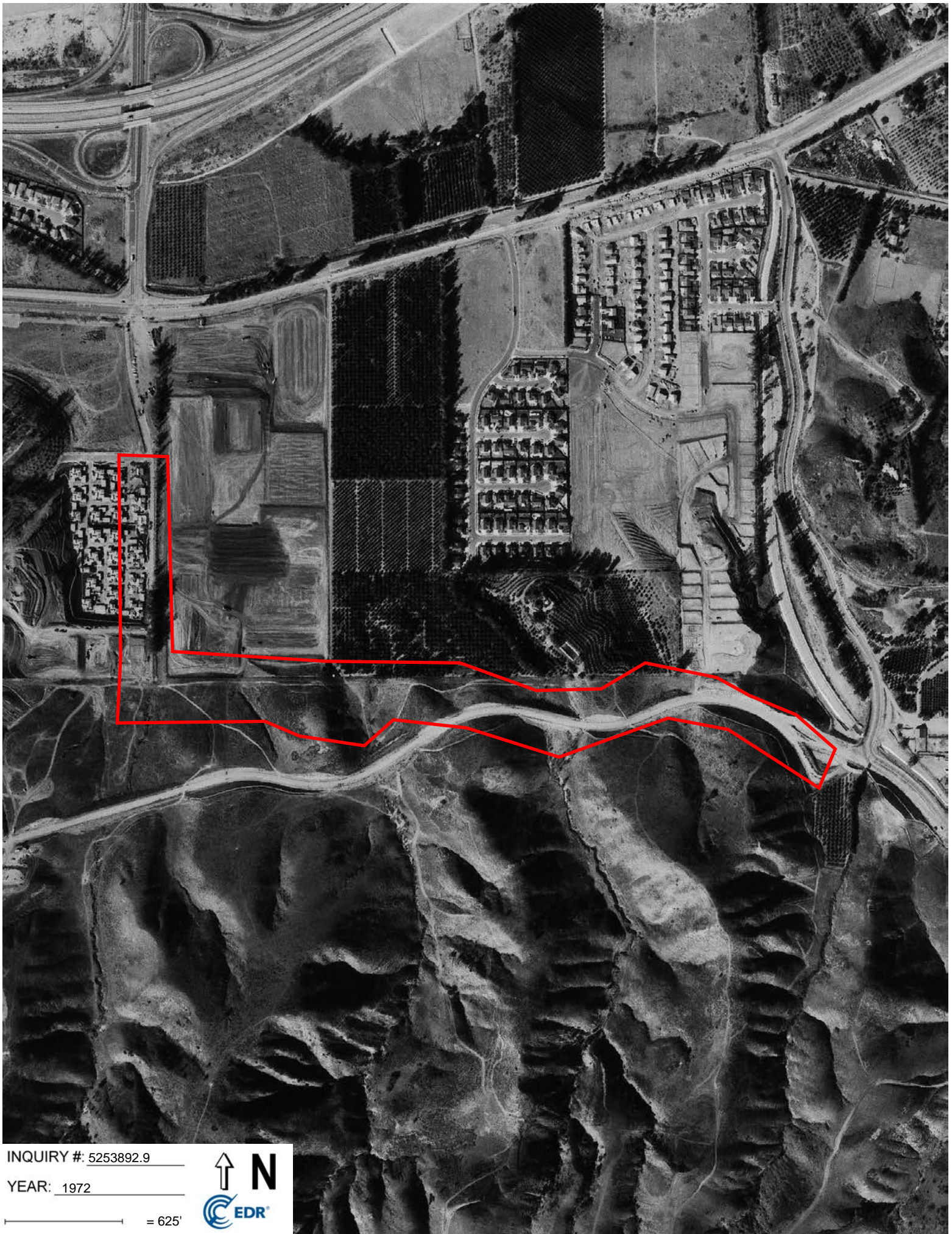


INQUIRY #: 5253892.9

YEAR: 1977

— = 625'



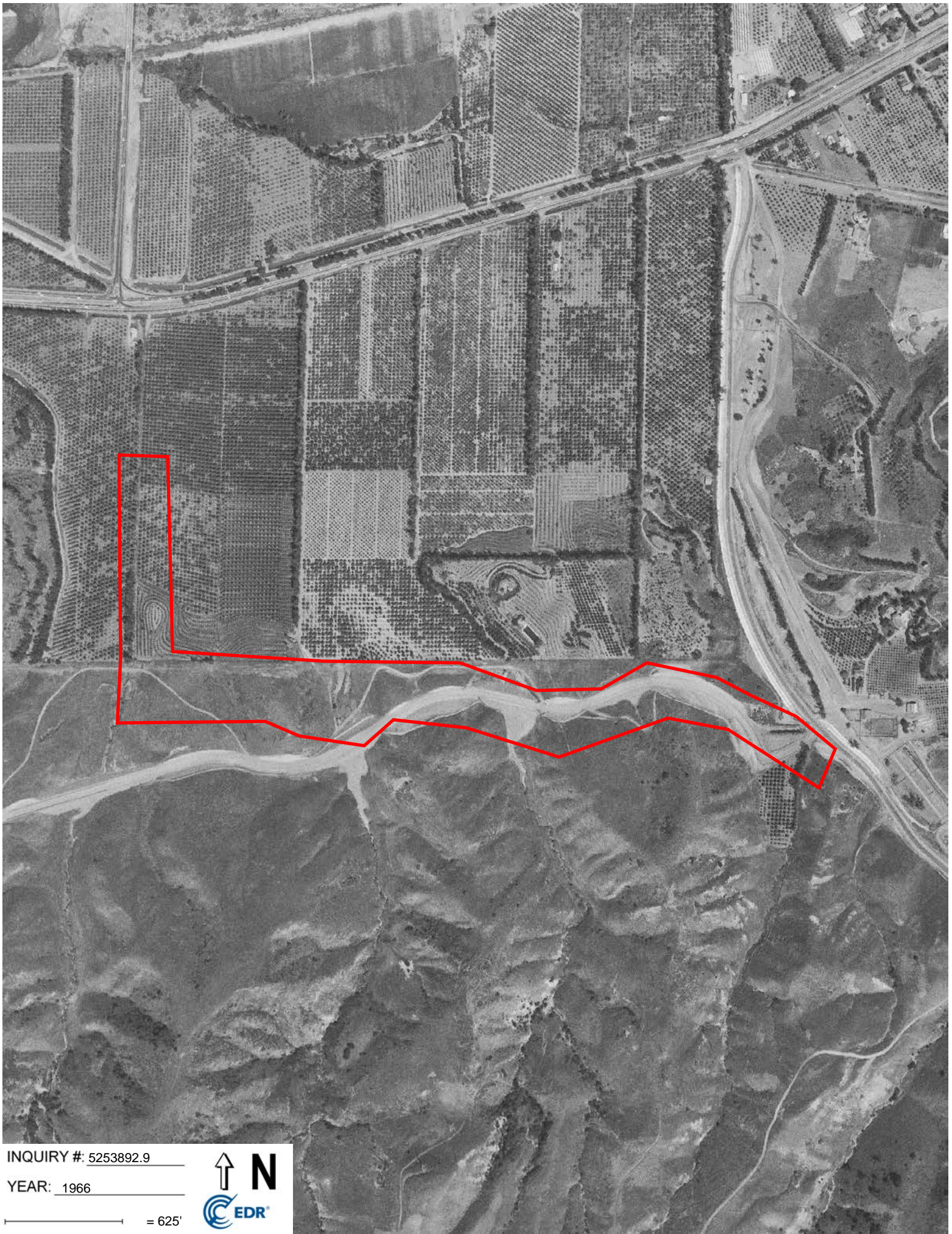


INQUIRY #: 5253892.9

YEAR: 1972

— = 625'





INQUIRY #: 5253892.9

YEAR: 1966

— = 625'





INQUIRY #: 5253892.9

YEAR: 1963

 = 625'





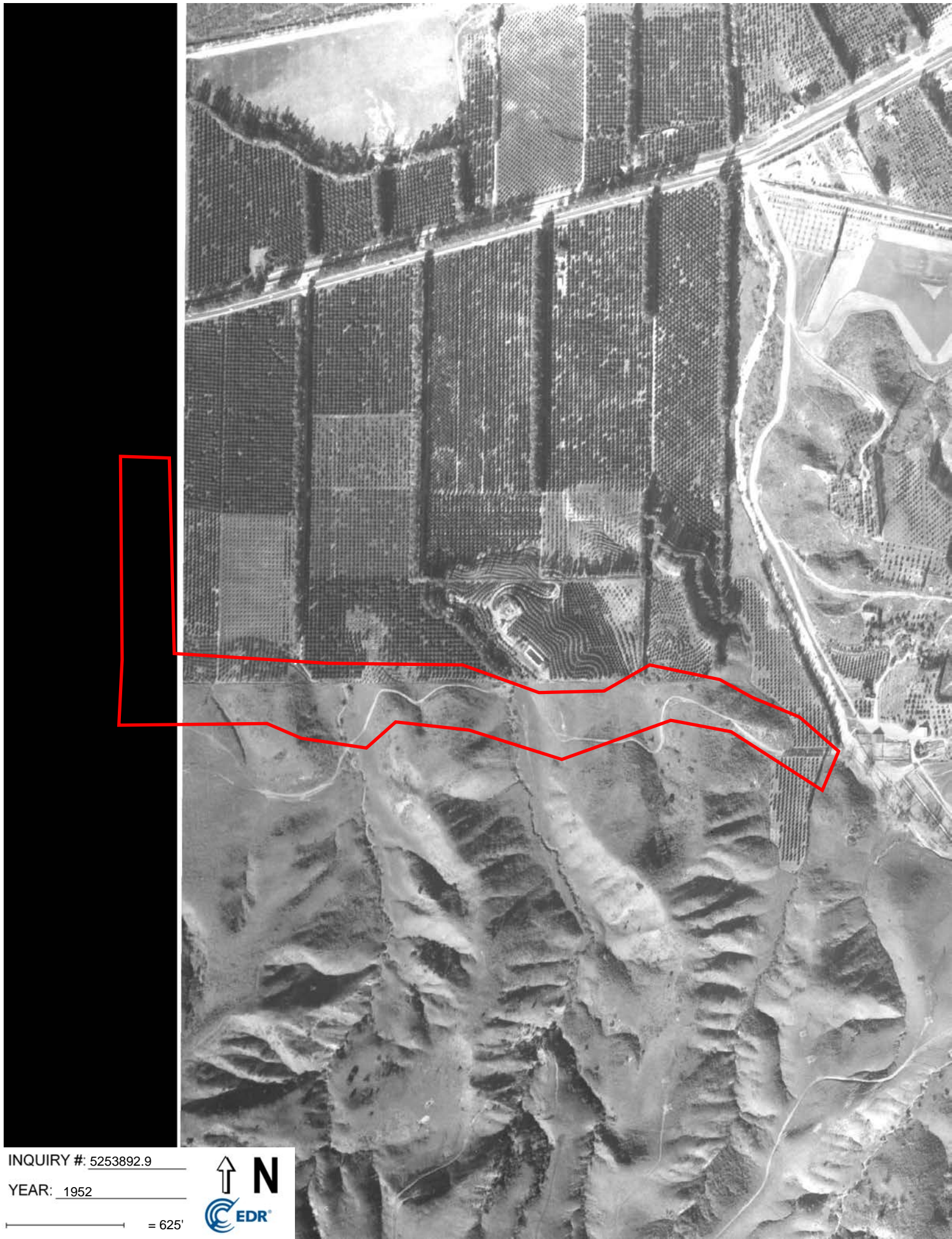
INQUIRY #: 5253892.9

YEAR: 1953

— = 625'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5253892.9

YEAR: 1952

— = 625'



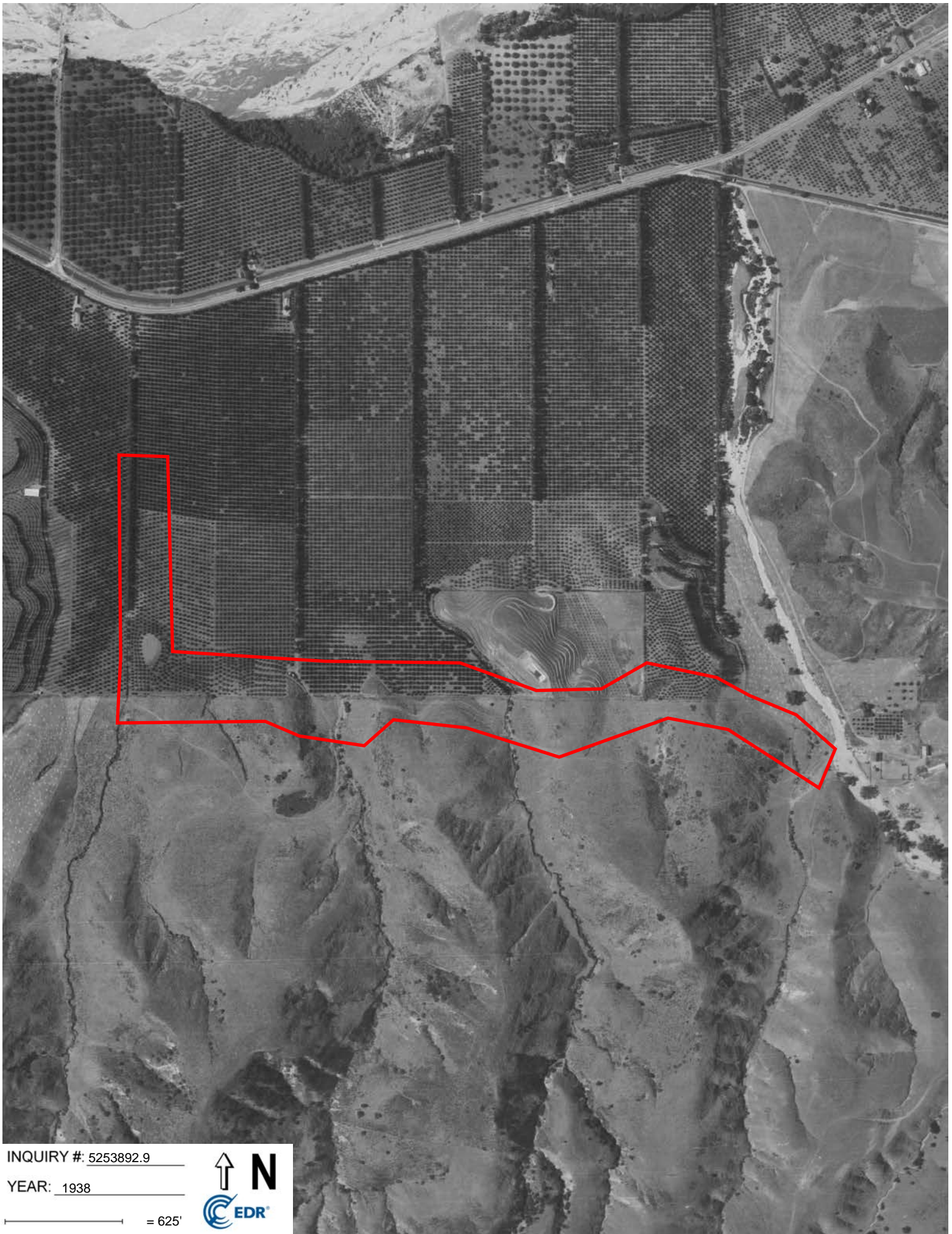


INQUIRY #: 5253892.9

YEAR: 1946

— = 625'





INQUIRY #: 5253892.9

YEAR: 1938

— = 625'



APPENDIX F

TECHNICAL NOISE MEMORANDUM

MEMORANDUM

DATE: May 25, 2018

To: Romi Archer, Project Manager

FROM: Jason Lui, Senior Noise Specialist

SUBJECT: Technical Noise Memorandum for the Nohl Ranch Open Space Trail Project (Federal Project No. CML-5055[188])

The City of Anaheim (City), in coordination with the California Department of Transportation (Caltrans), proposes to develop a 10-foot (ft) wide Class I bikeway in compliance with Caltrans standards and a 3 to 10 ft wide pedestrian trail and City trail standards. These two trails comprise the Nohl Ranch Open Space Trail (project). This technical noise memorandum has been prepared to address potential construction noise impacts. A traffic noise analysis is not required because the project is a Type III project (i.e., not a Type I project).

PROJECT LOCATION

The project limits are from Imperial Highway at the east side of the intersection of Avenida Bernardo North to Anaheim Hills Road, an approximately 5,300 linear-foot segment. The alignment would run south along the east side of Imperial Highway for approximately 1,200 linear feet as a bikeway only. The trail (side by side bikeway and riding and hiking trail) then bends east and aligns north of the Imperial Park and the Canyon Hills Library and then closely parallels the north side of Nohl Ranch Road to its terminus at Anaheim Hills Road. For the project's location, refer to Figure 1 (all figures attached).

PROJECT DESCRIPTION

The project would develop a 10 ft wide Class I bikeway and a 3 to 10 ft wide pedestrian trail in compliance with Caltrans standards and City trail standards. The project would also include signage and bicycle parking. Pedestrian amenities may also be included. Figure 2 shows the bicycle and pedestrian trail alignment.

REGULATORY REQUIREMENTS

Federal Regulations

The Caltrans *Traffic Noise Analysis Protocol*, which supports Code of Federal Regulations Title 23, Part 772.5, identifies a project as Type I when it involves one or more of the following:

1. The construction of a highway on a new location.
2. The physical alteration of an existing highway where there is either:
 - a. **Substantial Horizontal Alteration:** A project that halves the distance between the traffic noise source and the closest receptor between the existing condition and the future build condition; or
 - b. **Substantial Vertical Alteration:** A project that removes shielding, thereby exposing the line-of-sight between the receptor and the traffic noise source. This is done by altering either the vertical alignment of the highway or the topography between the highway traffic noise source and the receptor.
3. The addition of a through-traffic lane(s). This includes the addition of a through-traffic lane that functions as a high-occupancy vehicle (HOV) lane, high-occupancy toll (HOT) lane, bus lane, or truck climbing lane.
4. The addition of an auxiliary lane, except when the auxiliary lane is a turn lane.
5. The addition or relocation of interchange lanes or ramps added to a quadrant to complete an existing partial interchange.
6. The restriping of existing pavement for the purpose of adding a through traffic lane or an auxiliary lane.
7. The addition of a new or substantial alteration of an existing weigh station, rest stop, ride-share lot, or toll plaza.

A project that does not meet one or more of the requirements mentioned above is considered a Type III project. Although a Type III project does not require an operation-related noise analysis, a memorandum evaluating the noise impacts associated with construction activities is typically completed.

Local Regulations

City of Anaheim

Noise Element of the General Plan. The City has adopted, as part of its Noise Element in the General Plan, the State of California Office of Noise Control Standards. However, these standards do not have an established threshold for new trail land use development. Policies of the noise element that are particularly applicable to this project include restrictions on construction noise. Construction activities are limited to the hours of 7:00 a.m. to 7:00 p.m., as specified in Section 6.70.010 in the City's Municipal Code.

Municipal Code. Section 6.70.010 in the City's Municipal Code exempts sound levels generated from construction or building repair of any premise within the City during the hours of 7:00 a.m. to 7:00

p.m. Additional work hours may be permitted if deemed necessary by the Director of Public Works or Building Official.

EXISTING NOISE-SENSITIVE RECEPTORS

The project study area consists of residences, schools, a library, and a park. Single-family residences are located north, west, and south of the trail alignment. Canyon High School and Canyon Hills School are located along the east Imperial Highway segment. Imperial Elementary School, Imperial Park, Canyon Hills Library, and Canyon Hills Club are south of the alignment and north of Nohl Ranch Road. The closest residences are within 50 ft north of the trail alignment along the Nohl Ranch Road segment. Canyon Hills School is within 50 ft of the east Imperial Highway segment.

TRAFFIC NOISE

No Build Alternative

No improvements would be made other than routine maintenance. Receptors in the project area would not be exposed to a new traffic noise impact.

Build Alternative

The proposed project is a trail project and would not modify existing roadways or construct new roadways that have the potential to increase traffic noise. Therefore, the proposed project does not meet any of the Type I definitions provided in the May 2011 Caltrans Traffic Noise Analysis Protocol, and a detailed Type I project traffic noise analysis is not required. Rather, the proposed project is classified as a Type III project, which only requires a noise analysis associated with project construction. In addition, the only traffic generated by the project would be during construction, as the bicycle trail and riding/hiking trail would not generate substantial noise.

CONSTRUCTION NOISE

No Build Alternative

No construction activities would occur under the No Build Alternative and no short-term noise impacts would result.

Build Alternative

Two types of short-term noise impacts would occur during project construction: (1) equipment delivery and construction worker commutes, and (2) project construction operations.

The first type of short-term construction noise would result from the transport of construction equipment and materials to the project site and from construction worker commutes. These transportation activities would incrementally raise noise levels on access roads leading to the site. Larger trucks used in equipment delivery are expected to generate higher noise impacts than trucks associated with worker commutes. The single-event noise from equipment trucks passing at a distance of 50 ft from a sensitive noise receptor would reach a maximum level of 76 A-weighted decibels (dBA) maximum instantaneous sound level (L_{max}). However, the pieces of heavy equipment

for grading and construction activities would be moved on site just once and would remain for the duration of each construction phase. This one-time trip, when heavy construction equipment is moved on and off site, would not add to the daily traffic noise in the project vicinity due to its infrequency. Furthermore, the projected traffic from the construction worker commutes would be minimal when compared to existing traffic volumes on Imperial Highway, Nohl Ranch Road, and other affected streets, and the associated long-term noise level change would not be perceptible. Therefore, equipment delivery noise and construction-related worker commute impacts would be short-term and would not be substantial.

The second type of short-term construction noise would be related to noise generated during project construction. Construction is performed in discrete steps, each having its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases will change the character of the noise generated as well as the noise levels in the study area as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. Table A lists typical construction equipment noise levels (L_{max}) recommended for noise impact assessments based on a distance of 50 ft between the equipment and a noise receptor.

Table A: Typical Construction Equipment Noise Levels

Type of Equipment	Actual Maximum Sound Levels at 50 ft (dBA)
Backhoe	78
Crane	81
Dozer	82
Drill Rig Truck	79
Dump Truck	76
Excavator	81
Flatbed Truck	74
Front-End Loader	79
Generator	81
Impact Pile Driver	101
Jackhammer	89
Pickup Truck	75
Pneumatic Tools	85
Pumps	81
Roller	80
Scraper	84

Source: FHWA Roadway Construction Noise Model (January 2006).
 dBA = A-weighted decibels ft = foot/feet
 FHWA = Federal Highway Administration L_{max} = maximum instantaneous sound level

Typical noise levels at 50 ft from an active construction area range up to 86 dBA L_{max} during the noisiest construction phases. The site preparation phase, which includes grading and paving, tends to generate the highest noise levels because the noisiest construction equipment is earthmoving

equipment. Earthmoving equipment includes excavating machinery (e.g., backfillers, bulldozers, and front loaders). Earthmoving and compacting equipment includes compactors, scrapers, and graders.

The construction of the proposed project is expected to require the use of front-end loaders and bulldozers. Noise associated with the use of construction equipment is estimated between 79 and 82 dBA L_{max} at a distance of 50 ft from the active construction area for the grading phase. As seen in Table A, the maximum noise level generated by each front-end loader is assumed to be approximately 82 dBA L_{max} at 50 ft from the front-end loader in operation. Each bulldozer would generate approximately 82 dBA L_{max} at 50 ft. Each doubling of the sound source with equal strength increases the noise level by 3 dBA. Each piece of construction equipment operates as an individual point source. The worst-case composite noise level at the nearest residence during this phase of construction would be 84 dBA L_{max} (at a distance of 50 ft from an active construction area).

The closest residence and school are within 50 ft of the project construction areas and may be subject to short-term noise higher than 84 dBA L_{max} generated by construction activities along the trail alignment. Compliance with the City's construction hours specified in Section 6.70.010 in the Municipal Code would be required to minimize construction noise impacts on sensitive land uses adjacent to the project site. To further minimize construction noise impacts, the proposed project shall implement the following standard conditions.

- The construction contractor shall ensure that all equipment driven by internal combustion engines shall be equipped with mufflers and intake silencers no less effective than originally equipped.
- At all times during project grading and construction, the construction contractor shall ensure that stationary noise-generating equipment shall be located as far as practicable from sensitive receptors and placed so that emitted noise is directed away from adjacent residences.
- The project contractor shall utilize portable noise barriers any time "heavy" construction equipment (typically defined as greater than 250 horsepower) operates within 100 ft of existing residences.

CONCLUSION

The proposed project is a trail project and would not modify existing roadways or construct new roadways that have the potential to increase traffic noise. The proposed project does not meet any of the Type I definition provided in the May 2011 Caltrans Traffic Noise Analysis Protocol, and a detailed Type I project traffic noise analysis is not required. However, compliance the City's construction hours specified in Section 6.70.010 in the Municipal Code would be required to minimize construction noise impacts on sensitive land uses adjacent to the project site. Implementation of Standard Conditions NOI-1, including restrictions on permissible hours of noise-producing construction activities, would reduce construction noise impacts to less than significant level.

Standard Conditions NOI-1 Implementation of the following multipart standard conditions would further reduce potential construction noise impacts:

- The construction contractor shall ensure that all equipment driven by internal combustion engines shall be equipped with mufflers and intake silencers no less effective than originally equipped.
- At all times during project grading and construction, the construction contractor shall ensure that stationary noise-generating equipment shall be located as far as practicable from sensitive receptors and placed so that emitted noise is directed away from adjacent residences.
- The project contractor shall utilize portable noise barriers any time “heavy” construction equipment (typically defined as greater than 250 horsepower) operates within 100 feet of existing residences.
- The construction contractor shall limit all noise producing construction activities, including deliveries and the warming up of equipment, to the hours of 7:00 a.m. to 7:00 p.m.

REFERENCES

California Department of Transportation (Caltrans). 2015. Standard Specifications, Section 14-8.02.

Website: http://www.dot.ca.gov/hq/esc/oe/construction_contract_standards/std_specs/2015_StdSpecs/2015_StdSpecs.pdf (accessed May 2018).

_____. 2011. Traffic Noise Analysis Protocol for New Highway Construction, Reconstruction, and Retrofit Barrier Projects. May. Website: http://www.dot.ca.gov/hq/env/noise/pub/ca_tnap_may2011.pdf (accessed May 2018).

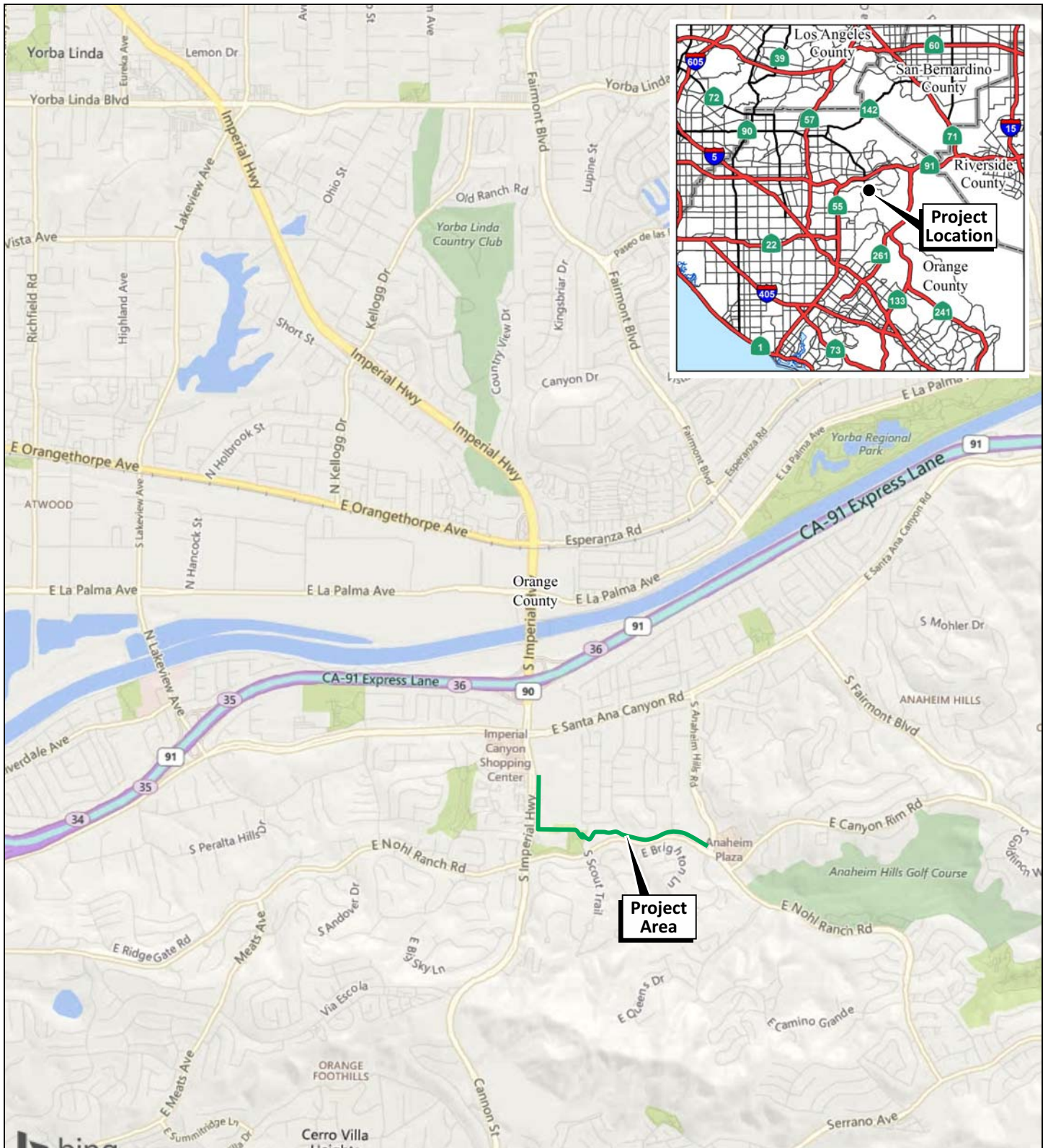
City of Anaheim. Municipal Code.

_____. Noise Element of the General Plan.

Federal Highway Administration. 2006. Roadway Construction Noise Model. January. Website:

http://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/rcnm.pdf (accessed January 2017).

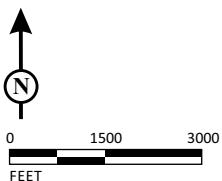
Attachments: Figures 1 and 2



LEGEND

— - Proposed Alignment

FIGURE 1



SOURCE: Bing Maps

*Nohl Ranch Open Space Trail
Regional and Project Location*

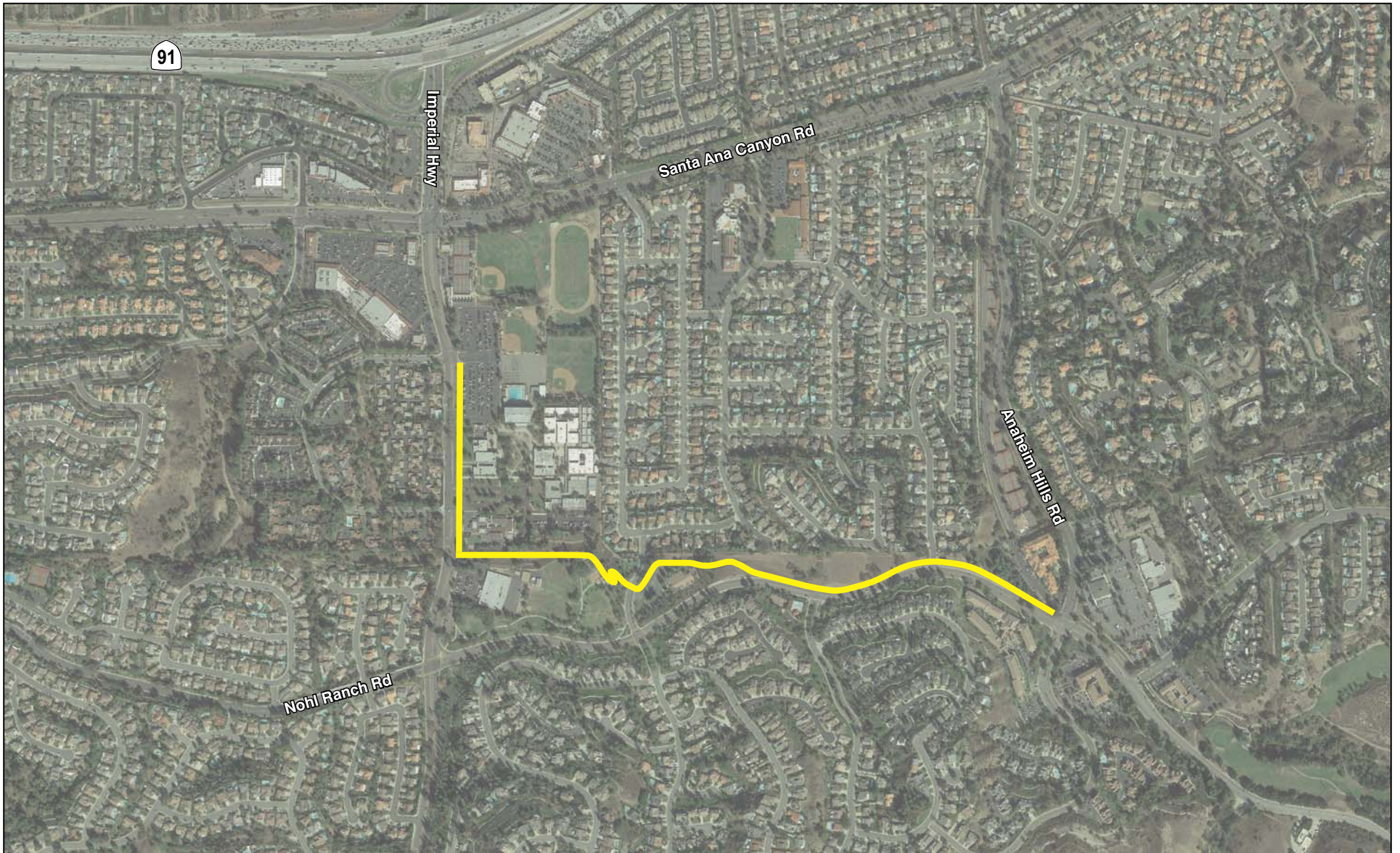
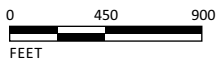


FIGURE 2

LEGEND

— - Proposed Alignment



SOURCE: Google Earth

MITIGATION MONITORING AND REPORTING PLAN MMRP NO. 360

This Mitigation Monitoring and Reporting Plan (MMRP) was formulated based on the Nohl Ranch Open Space Trail Project, addressed in Addendum No. 3 for the Anaheim General Plan and Zoning Update and 2017 Bicycle Master Plan. Addendum No. 3 is an addendum to Supplemental Environmental Impact Report (SEIR) No. 346 (SCH No. 2003041105) certified by the Anaheim City Council in on September 24, 2013. This MMRP includes mitigation measures (MMs) and applicable standard conditions (SC) cited in the Addendum and included in Mitigation Monitoring Program No. 122A, approved in conjunction with the certification of SEIR No. 346. This MMRP is also in compliance with Section 15097 of the California Environmental Quality Act (CEQA) Guidelines, which requires that the Lead Agency “adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects.”

The Nohl Ranch Open Space Trail Project required approval of a General Plan Amendment. Pursuant to Senate Bill (SB) 18 signed into law by Governor Schwarzenegger in 2004, City staff conducted tribal consultation for the Project. As a result of this consultation, staff has added MM TCR-1 requiring the City to retain Native American Monitors approved by the Gabrieleno Band of Mission Indias-Kizh Nation and the Juaneno Band of Mission Indias-Acjachmen Nation, the two tribes that consulted on this project pursuant to SB 18, to monitor any ground disturbing activities on the site.

TERMS AND DEFINITIONS:

1. **Property Owner/Developer** – City of Anaheim
2. **Environmental Equivalent/Timing** – Any mitigation measure and timing thereof, subject to the approval of the City, which will have the same or superior result and will have the same or superior effect on the environment. The Planning Department, in conjunction with any appropriate agencies or City departments, shall determine the adequacy of any proposed "environmental equivalent/timing" and, if determined necessary, may refer said determination to the Planning Commission. Any costs associated with information required in order to make a determination of environmental equivalency/timing shall be done by the property owner/developer. Staff time for reviews will be charged on a time and materials basis at the rate in the City's adopted Fee Schedule.
3. **Timing** – This is the point where a mitigation measure must be monitored for compliance. In the case where multiple action items are indicated, it is the first point where compliance associated with the mitigation measure must be monitored. Once the initial action item has been complied with, no additional monitoring pursuant to the Mitigation Monitoring Plan will occur, as routine City practices and procedures will ensure that the intent of the measure has been complied with. For example, if the timing is "to be shown on approved building plans" subsequent to issuance of the building permit consistent with the approved plans will be final building and zoning inspections pursuant to the building permit to ensure compliance.
4. **Responsibility for Monitoring** – Shall mean that compliance with the subject mitigation measure(s) shall be reviewed and determined adequate by all departments listed for each mitigation measure. Outside public agency review is limited to those public agencies specified in the Mitigation Monitoring Plan which have permit authority in conjunction with the mitigation measure.
5. **Ongoing Mitigation Measures** – The mitigation measures that are designated to occur on an ongoing basis as part of this Mitigation Monitoring Plan will be monitored in the form of an annual letter from the property owner/developer in January of each year demonstrating how compliance with the subject measure(s) has been achieved. When compliance with a measure has been demonstrated for a period of one year, monitoring of the measure will be deemed to be satisfied and no further monitoring will occur. For measures that are to be monitored "Ongoing During Construction", the annual letter will review those measures only while construction is occurring; monitoring will be discontinued after construction is complete. A final annual letter will be provided at the close of construction.
6. **Building Permit** – Not applicable.

Measure No.	Timing	Measure	Party Responsible for Monitoring	Completion
MM 5.2-1	Prior to grading activities and approval of final grading plans. This measure shall be included on bid specifications for construction.	Prior to grading activities, the Project Engineer shall include a note on all grading plans which requires the construction contractor to implement the following measures during grading. <ul style="list-style-type: none"> • Use low emission mobile construction equipment. • Maintain construction equipment engines by keeping them tuned. • Use low sulfur fuel for stationary construction equipment. • Utilize existing power sources (i.e., power poles) when feasible. • Configure construction parking to minimize traffic interference. • Minimize obstruction of through-traffic lanes. When feasible, construction should be planned so that lane closures on existing streets are kept to a minimum. • Schedule construction operations affecting traffic for off-peak hours. • Develop a traffic plan to minimize traffic flow interference from construction activities (the plan may include advance public notice of routing, and the use of public transportation and satellite parking areas with a shuttle service). 	City Project Engineer	
SC AQ-1	Prior to grading activities and approval of final grading plans. Standard condition shall be included as notes on plans.	The applicable SCAQMD Rule 403 measures are as follows: <ul style="list-style-type: none"> • Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for 10 days or more). • Water active sites at least twice daily (locations, where grading is to occur, will be thoroughly watered prior to earthmoving). • Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 2 feet (ft) (0.6 meter [m]) of freeboard (vertical space between the top of the load and the top of the trailer) in accordance with the requirements of California Vehicle Code Section 23114. • Pave construction access roads at least 100 ft (30 m) onto the site from the main road. • Reduce traffic speeds on all unpaved roads to 15 miles per hour or less. 	City Project Engineer	

Measure No.	Timing	Measure	Party Responsible for Monitoring	Completion
MM 5.3-3	Grading between March 1 and July 1.	If construction activity is timed to occur during the nesting season (typically between March 1 and July 1), developers will be required to provide focused surveys for nesting birds pursuant to California Department of Fish and Game requirements. Such surveys shall identify avoidance measures taken to protect active nests.	Construction Services Project Manager (or Designee)	
MM 5.3-4	This measure shall be included on bid specifications for construction.	Removal of non-native trees shall be permitted only outside the nesting season.	Construction Services Project Manager (or Designee)	
MM BIO-1	Vegetation removal between February 15 and August 15.	<p>Any vegetation removal should take place outside of the active nesting bird season (i.e., February 15–August 15), when feasible, to ensure compliance with the California Fish and Game Code and the Migratory Bird Treaty Act.</p> <p>Should vegetation removal take place during this period, prior to construction activities, the City of Anaheim (City) Project Manager shall hire a qualified biologist to conduct a nesting bird survey to ensure that birds are not engaged in active nesting within 100 feet (ft) of the project site. If nesting birds are discovered during preconstruction surveys, the biologist should identify an appropriate buffer (i.e., up to 500 ft depending on the circumstances and specific bird species) where no construction activities or other disturbances are allowed to occur until after the birds have fledged from the nest or the nest is no longer active.</p>	Construction Services Project Manager (or Designee)	
MM BIO-2	Prior to the approval of final design plans.	Prior to the approval of final design plans for the project, the City’s Project Manager shall procure a qualified arborist to evaluate trees along the project alignment to see if any meet the definition of Specimen Trees. Any trees meeting that definition, shall be replaced and included in the final landscaping plan prepared for the project. Final plans must include landscaping plans and special notes on Specimen Tree replacement to the satisfaction of the Project Manager in consultation with a designated representative from the City’s Parks Department.	Construction Services Project Manager (or Designee)	

Measure No.	Timing	Measure	Party Responsible for Monitoring	Completion
MM 5.4-2	Prior to final design plans.	City staff shall require property owners/developers to provide studies and qualified grading monitoring to document the presence/absence of archaeological and/or paleontological resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified specialist.	Construction Services Project Manager (or Designee)	
MM 5.4-3	Incorporated into CEQA document.	All archaeological resources shall be subject to the provisions of CEQA (Public Resources Code) Section 21083.2.	Construction Services Project Manager (or Designee)	Done
MM PAL-1	<p>Prior to final grading plans. Conditions from PRIMP must be included on final grading plans.</p> <p>If paleontological resources are encountered.</p>	<p>A paleontologist shall be hired to develop a Paleontological Resources Impact Mitigation Program (PRIMP) for this project. The PRIMP shall include the methods that will be used to protect paleontological resources that may exist within the project site, as well as procedures for monitoring, fossil preparation and identification, curation into a repository, and preparation of a final report at the conclusion of grading.</p> <p>Excavation and grading activities in deposits with high paleontological sensitivity (the Very Old Alluvial Fan Deposits, the lower member of the Fernando Formation, and the Sycamore Canyon Member of the Puente Formation) shall be monitored by a paleontological monitor following a PRIMP. No monitoring is required for excavation in deposits with low paleontological sensitivity (Young Alluvial Fan Deposits from the surface to a depth of 10 ft).</p> <p>If paleontological resources are encountered during the course of ground disturbance, the paleontological monitor shall have the authority to temporarily redirect work away from the area of the find in order to assess its significance.</p> <p>In the event that paleontological resources are encountered when a paleontological monitor is not present, work in the immediate area of the find shall be redirected and a paleontologist shall be contacted to assess the find for significance and adjust the level of monitoring if needed.</p>	<p>Construction Services Project Manager (or Designee)</p> <p>Construction Services Project Manager (or Designee)</p>	

Measure No.	Timing	Measure	Party Responsible for Monitoring	Completion
		<p>Collected resources shall be prepared to the point of identification, identified to the lowest taxonomic level possible, cataloged, and curated into the permanent collection of a scientific institution.</p> <p>At the conclusion of the monitoring program, a report of findings shall be prepared to document the results of the monitoring program.</p>		
SC CR-1	If human remains are discovered.	<p>Human Remains. If human remains are unearthed, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be Native American, the County Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC. The MLD will have the opportunity to offer recommendations for the disposition of the remains.</p>	Grading Contractor and Construction Services Project Manager (or Designee)	
MM 5.5-1	Prior to final design plans.	The City shall require geologic and geotechnical investigations in areas of potential seismic or geologic hazards as part of the environmental or development review process. All final design and grading operations will be conducted in conformance with the recommendations contained in the applicable geotechnical investigation.	City Project Engineer	
SC NOI-1	Measures to be included in construction plans and bid documents	<p>Implementation of the following multipart standard conditions would further reduce potential construction noise impacts:</p> <ul style="list-style-type: none"> • The construction contractor shall ensure that all equipment driven by internal combustion engines shall be equipped with mufflers and intake silencers no less effective than originally equipped. • At all times during project grading and construction, the construction contractor shall ensure that stationary noise-generating equipment shall be located as far as practicable from sensitive receptors and placed so that emitted noise is directed away from adjacent residences. 	City Project Manager and Construction Manager.	

Measure No.	Timing	Measure	Party Responsible for Monitoring	Completion
		<ul style="list-style-type: none"> The project contractor shall utilize portable noise barriers any time “heavy” construction equipment (typically defined as greater than 250 horsepower) operates within 100 feet (ft) of existing residences. The construction contractor shall limit all noise-producing construction activities, including deliveries and the warming up of equipment, to the hours of 7:00 a.m. to 7:00 p.m. 		
MM TCR-1	Measure to be included in construction plans and bid documents	<ul style="list-style-type: none"> Prior to the commencement of any ground disturbing activity at the project site, the project applicant shall retain Native American Monitors approved by the Gabrieleno Band of Mission Indias-Kizh Nation and the Juaneño Band of Mission Indias-Acjachmen Nation, the two tribes that consulted on this project pursuant to –Senate Bill 18 (the “Tribe” or the “Consulting Tribe”). A copy of the executed contract shall be submitted to the City of Anaheim Planning and Building Department prior to the issuance of any permit necessary to commence a ground-disturbing activity. The Tribal monitor will only be present on-site during the construction phases that involve ground-disturbing activities. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to, pavement removal, potholing or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching, within the project area. The Tribal Monitor will complete daily monitoring logs that will provide descriptions of the day’s activities, including construction activities, locations, soil, and any cultural materials identified. The on-site monitoring shall end when all ground-disturbing activities on the Project Site are completed, or when the Tribal Representatives and Tribal Monitor have indicated that all upcoming ground-disturbing activities at the Project Site have little to no potential for impacting Tribal Cultural Resources. Upon discovery of any Tribal Cultural Resources, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 100 feet) until the find can be assessed. All Tribal Cultural Resources unearthed by project activities shall be evaluated by the qualified archaeologist and/or Tribal monitor approved by the Consulting Tribe. If the resources are Native American in origin, the Consulting Tribe will retain it/them in the 	Construction Services Project Manager (or Designee)	

		<p>form and/or manner the Tribe deems appropriate, for educational, cultural and/or historic purposes. If human remains and/or grave goods are discovered or recognized at the Project Site, all ground disturbance shall immediately cease, and the county coroner shall be notified per Public Resources Code Section 5097.98, and Health & Safety Code Section 7050.5. Human remains and grave/burialgoods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). Work may continue on other parts of the Project Site while evaluation and, if necessary, mitigation takes place (CEQA Guidelines Section 15064.5[f]). If a non-Native American resource is determined by the qualified archaeologist to constitute a “historical resource” or “unique archaeological resource,” time allotment and funding sufficient to allow for implementation of avoidance measures, or appropriate mitigation, must be available. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and PRC Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any historic archaeological material that is not Native American in origin shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.</p>		
--	--	--	--	--