Initial Study/Mitigated Negative Declaration

Norco College
Library Learning Resource Center and Student Services Building

JANUARY 2026

Prepared for:

Riverside Community College District
3801 Market Street, 3rd Floor
Riverside, California 92501
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List of Acronyms

AB	Assembly Bill
AQMP	Air Quality Management Plan
ASF	Assignable Square Feet
bgs	below ground surface
BMPs	best management practices
CAL FIRE	California Office of the State Fire Marshal
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CARB	California Air Resource Board
CDFW	California Department of Fish and Wildlife
CEHC	California Essential Habitat Connectivity
CEQA	California Environmental Quality Act
City	City of Norco
CNEL	Community Noise Equivalent Level
CO_2e	carbon dioxide equivalent
CREC	Controlled Recognized Environmental Condition
dB	decibels
dBA	A-decibels
DRC	Disability Resource Center
DTSC	Department of Toxic Substances Control
ESA	Environmental Site Assessment
FTA	Federal Transit Administration
GHG	Greenhouse Gas
GSF	Gross Square Feet
HDO	Housing Development Overlay

IS	Initial Study
ISTEA	Intermodal Surface Transportation Efficiency Act
LLRC	Library Learning Resource Center
LSTs	Localized Significant Thresholds
LUC	Land Use Covenant
MBTA	Migratory Bird Treaty Act
MLD	Most Likely Descendant
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MT	metric ton
MVC	Moreno Valley College
NAHC	Native American Heritage Commission
NPDES	National Pollutant Discharge Elimination System
NWI	National Wetland Inventory
O_3	ozone
OS	Open Space
PAD	Preservation and Development
PEA	Preliminary Endangerment Assessment
PL	Public Land
PM_{10}	respirable particulate matter
PPV	peak particle velocity
RA	Residential Agricultural
RCC	Riverside City College
RCCD	Riverside Community College District
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCAG	Southern California Area Governments

SCAQMD	South Coast Air Quality Management District
SCIC	South Coastal Information Center
SLF	Sacred Lands File
SMARA	State Mining and Reclamation Act
SMP	Soil Management Plan
SP	Specific Plan
SRA	Source Receptor Area
SWPPP	Stormwater Pollution Prevention Plan
TPA	Transit Priority Area
USFWS	U.S. Fish and Wildlife Service
UWMP	Urban Water Management Plan
VCA	Voluntary Cleanup Agreement
VMT	vehicle miles traveled
VOC	Volatile Organic Compound
WMWD	Western Municipal Water District
WQMP	Water Quality Management Plan
WRCOG	Western Riverside Council of Governments
WR-MSHCP	Western Riverside County Multiple Species Habitat Conservation Plan

1.0 Introduction

1.1 Project Overview

The Riverside Community College District (RCCD) is proposing construction of a Library Learning Resource Center (LLRC) and Student Services building at Norco College adjacent to Parking Lot A. The proposed Project will expand library and learning resource spaces to meet student needs, and consolidate programs currently housed in the Library, Student Services building, and College Resource Center.

The proposed LLRC and Student Services building is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classrooms, 16,968 ASF of faculty/staff office space, 26,112 ASF of library/library support, 994 ASF of audio/visual media space, and 3,491 ASF of other support space. The existing Student Services building, College Resource Center, and Portables A and B will be demolished as secondary effects of the proposed Project. Additionally, the existing Library building will be inactivated and repurposed in the future as a separate capital project.

1.2 California Environmental Quality Act Compliance

RCCD is the lead California Environmental Quality Act (CEQA) agency responsible for review and approval of the proposed LLRC and Student Services Project. Based on the findings of the Initial Study (IS), RCCD has made the determination that a Mitigated Negative Declaration (MND) is the appropriate environmental document to be prepared in compliance with CEQA (California Public Resources Code, Section 21000 et seq.). As stated in CEQA Section 21064, an MND may be prepared for a project subject to CEQA when an IS has identified no potentially significant effects on the environment, and if necessary, incorporating mitigation measures to reduce any potential significant impacts.

1.3 Public Review Process

In accordance with CEQA, a good-faith effort has been made during preparation of this IS/MND to contact affected agencies, organizations, and persons who may have an interest in this Project.

In reviewing the IS/MND, affected public agencies and the interested public should focus on the sufficiency of the document in identifying and analyzing the Project's possible impacts on the environment. A copy of the Draft IS/MND and related documents are available for review at RCCD (see address below) between 8:00 a.m. and 5:00 p.m., Monday through Friday.

Riverside Community College District
3801 Market Street 3rd Floor
Riverside, California 92501
The document is also available on the RCCD website at https://rccd.edu/admin/bfs/fpd/eir.html

Comments on the Draft IS/MND may be made in writing before the end of the public review period. A 30-day review and comment period from December 18, 2025, to January 19, 2026, has been established in accordance with Section 15072(a) of the CEQA Guidelines. Following the close of the public comment period, RCCD will consider the Draft IS/MND and comments thereto in determining whether to approve the proposed Project.

Written comments on the Draft IS/MND should be sent to the following address by 5:00 p.m., January 19, 2026.

Riverside Community College District
3801 Market Street 3rd Floor
Riverside, California 92501
Contact: Mehran Mohtasham, Director, Capital Planning, Facilities Planning and Development
Telephone: 951.222.8946
Email: Mehran.Mohtasham@rccd.edu

2.0 Project Description

2.1 Project Location

The RCCD – Norco Campus is located within the western Riverside County sub-region of southern California. The area is generally southwest of the City of Riverside, and northeast of the Prado Dam (Figure 2.1-1. Regional Map, Regional Map).

Within the Norco Campus, the proposed Project will be located on the southern edge of the campus core, adjacent to Parking Lot A. Additionally, the Project site will be north of Third Street, east of the sports complex, and west of JFK Drive. Additionally, one of two optional construction swing spaces will be utilized for the Project. One is west of the Project site, and adjacent to Parking Lot D and West End Drive. The second optional swing space is located east of the Project site and north of Parking Lot B (Figure 2.1-2, Project Site).

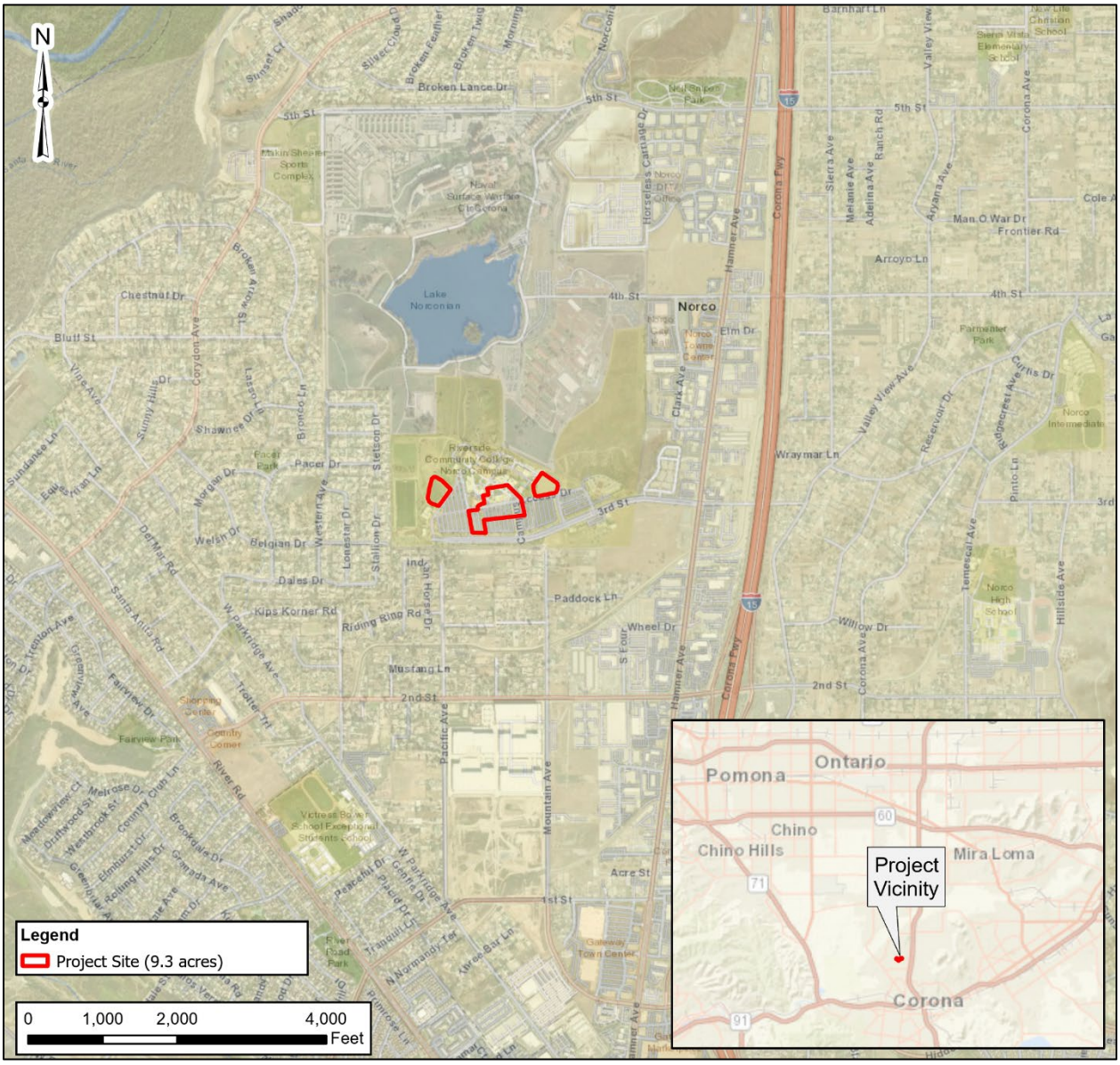


Figure 2.1-1. Regional Map

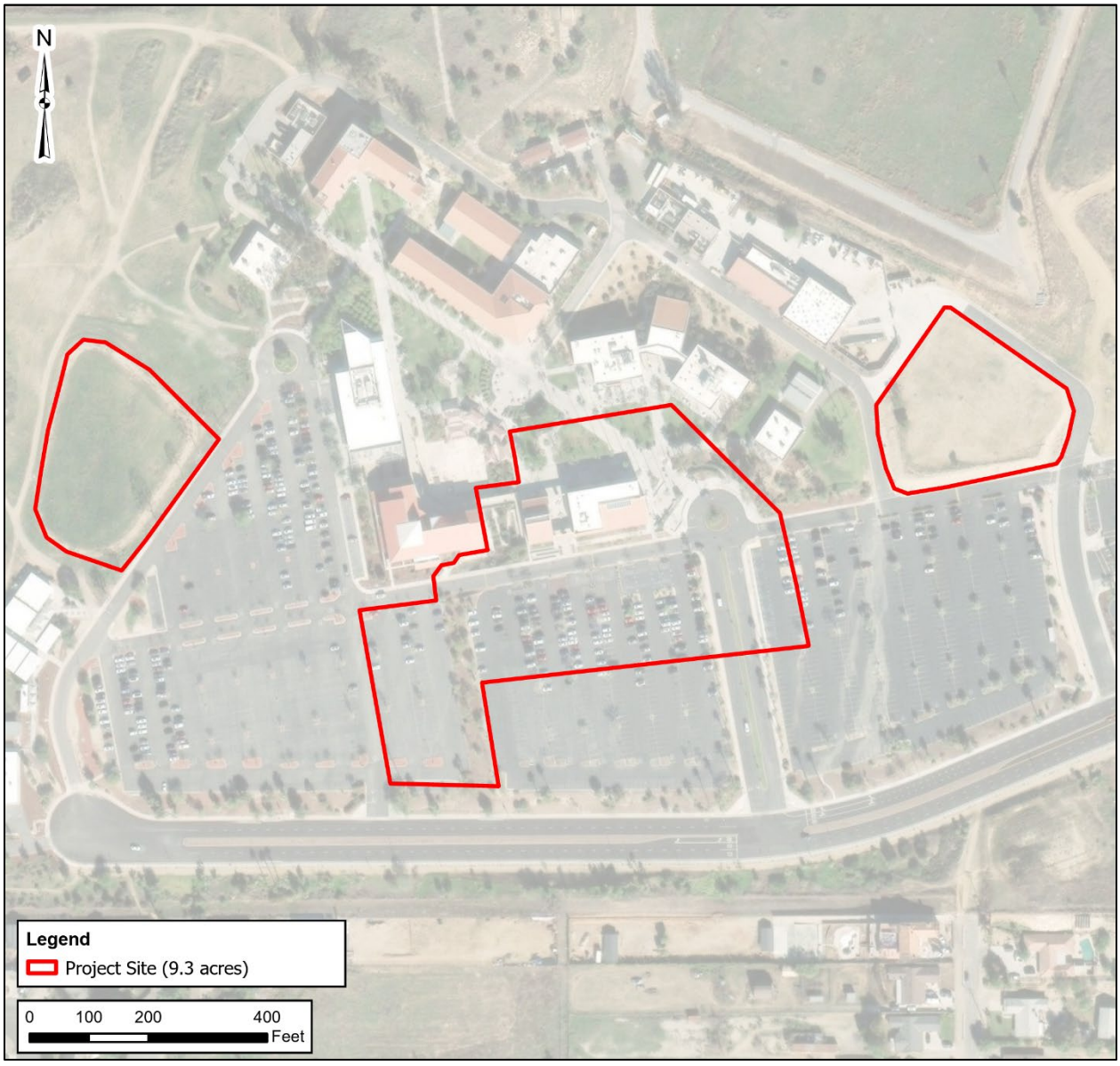


Figure 2.1-2. Project Site

2.2 Environmental Setting

2.2.1 Background

RCCD is the community college district serving the City of Norco (City) and neighboring cities. It is part of the California Community Colleges System. The California Community College system is a part of the California three-tier public higher education system, which also includes the University of California system and California State University system.

RCCD consists of the following three two-year, associate's degree-awarding campuses:

- Riverside City College (RCC)
- Moreno Valley College (MVC)
- Norco College

RCCD opened Norco College in April 1991, with an intent to meet the needs of students in the rapidly growing cities of Corona and Norco. The campus enrolled 3,088 students in its first semester—an opening scheduled to coincide with the 75th anniversary of the parent Riverside institution. In January, 2010, Norco College received full accreditation from Accrediting Commission for Community and Junior Colleges, to become 112th accredited college in the state of California Community College System.

Space limitations within the existing Library building impact multiple Library and Learning Resource functions. Silent study and testing/proctoring rooms are in short supply in the existing facilities. For example, the Disability Resource Center (DRC) testing space in the existing facility is housed within the library and does not have its own dedicated space. This results in the DRC testing space needing to compete with the general student population for quiet reading/study rooms within the building. Additionally, the space dedicated to house the print collection does not hold enough titles to meet the needs of students. Similarly, space dedicated to the circulation desk remains too low to distribute titles readily and conveniently to all students. This includes very low levels of space dedicated to book archival, repair, and cataloging. The College must address these shortcomings to provide access to essential materials such as textbooks or course-assigned titles. Some Library and Learning Resource spaces within the existing facility have been converted into offices and workstations for faculty and staff. The microfiche room has been converted into an office for the Library Dean. The area in front of the Library Dean's office has been converted into an Administrative Assistant workstation, and two library study rooms have been converted into Librarian offices.

Technology infrastructure gaps within the existing Library prevent the facility from adequately serving the College's student body. As of the 2019-2020 academic year, there was only one desktop computer for every 218 students and one laptop for every 424 students on campus. Additionally, current facilities cannot support planned programs such as an engineering room, STEM demonstration area, or video production suite. The technology and space shortage prevent the College from implementing not only the planned programs mentioned above but also basic resources such as an Information Technology Help Desk to assist users with troubleshooting computers or connection issues.

Faculty within the existing Student Services and College Resource Center buildings face similar obstacles to provide critical student services in an equitable and efficient manner. These buildings are home to the campus police department, financial aid, admissions and records, specialized counseling programs, and administration. In the Fall 2022 term, 4,968 students received counseling/advisement services,

1,268 students received educational plan services, and 2,479 students received other student services. These services include counseling, transfer advising, and specialized academic mentoring services. The large volume of daily students in an undersized facility has led to significant overflow issues. Postponing or relocating meetings outdoors or to classrooms commonly occurs due to a lack of private spaces within the existing facilities. Additionally, peak-hour computer usage exceeds capacity, resulting in waiting lists to access student services. No more than two transfer admission representatives can work at one time due to limited workstations. The enrollment services department in the Student Services building lacks sufficient computer space to accommodate student demand. Students are often sent to another floor of the building to access computers. The College police department in the Resource Center also has a shortage of space for workstations and computer equipment.

2.2.2 Project Site and Surrounding Land Uses

The current City of Norco General Plan designates the Norco College campus as Public Land (PL) and zoned as Open Space (OS).

The current City of Norco General Plan designations for the land surrounding the campus vary. North of Norco College, the General Plan designation is Preservation and Development (PAD), east of Norco College is Specific Plan (SP) with a Housing Development Overlay (HDO), south and west is Residential Agricultural (RA). The zoning indicates that the area north of Norco College is Preservation and Development (PAD), east is the Norco Auto Mall Specific Plan, south and west is Agricultural Low Density (A-1-20).

2.2.3 Existing Operations and Site Condition

The proposed Project site is currently existing Norco College buildings that house the Student Services and College Resource Center, which includes College Police as well as other services. This area is located adjacent to Parking Lot A with potential influence during construction on Mustang Circle. Additionally, there are two potential unpaved construction laydown areas north of the proposed Project, with one on the west side and one on the east.

2.3 Project Characteristics

2.3.1 Proposed Project

This Project proposes construction of a new three-story LLRC and Student Services building at Norco College. The proposed Project will expand library and learning resource spaces to meet student needs, and consolidate programs currently housed in the Library, Student Services building, and College Resource Center. The new facility will also include modern technology and infrastructure that is essential to student success. The proposed LLRC and Student Services building is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classrooms, 16,968 ASF of faculty/staff office space, 26,112 ASF of library/library support, 994 ASF of audio/visual media space, and 3,491 ASF of other support space (see Figure 2.3-1 through Figure 2.3-4).

The proposed Project will be located on the southern edge of the campus core, adjacent to Parking Lot A. The existing Student Services building, College Resource Center, and Portables A and B will be demolished as secondary effects of the proposed Project. Additionally, the existing Library building will be inactivated for future repurposing as a separate capital construction project.

Total Project cost is estimated at $88,565,000. Any future development projects beyond the scope of the proposed Project will be subject to additional CEQA review.

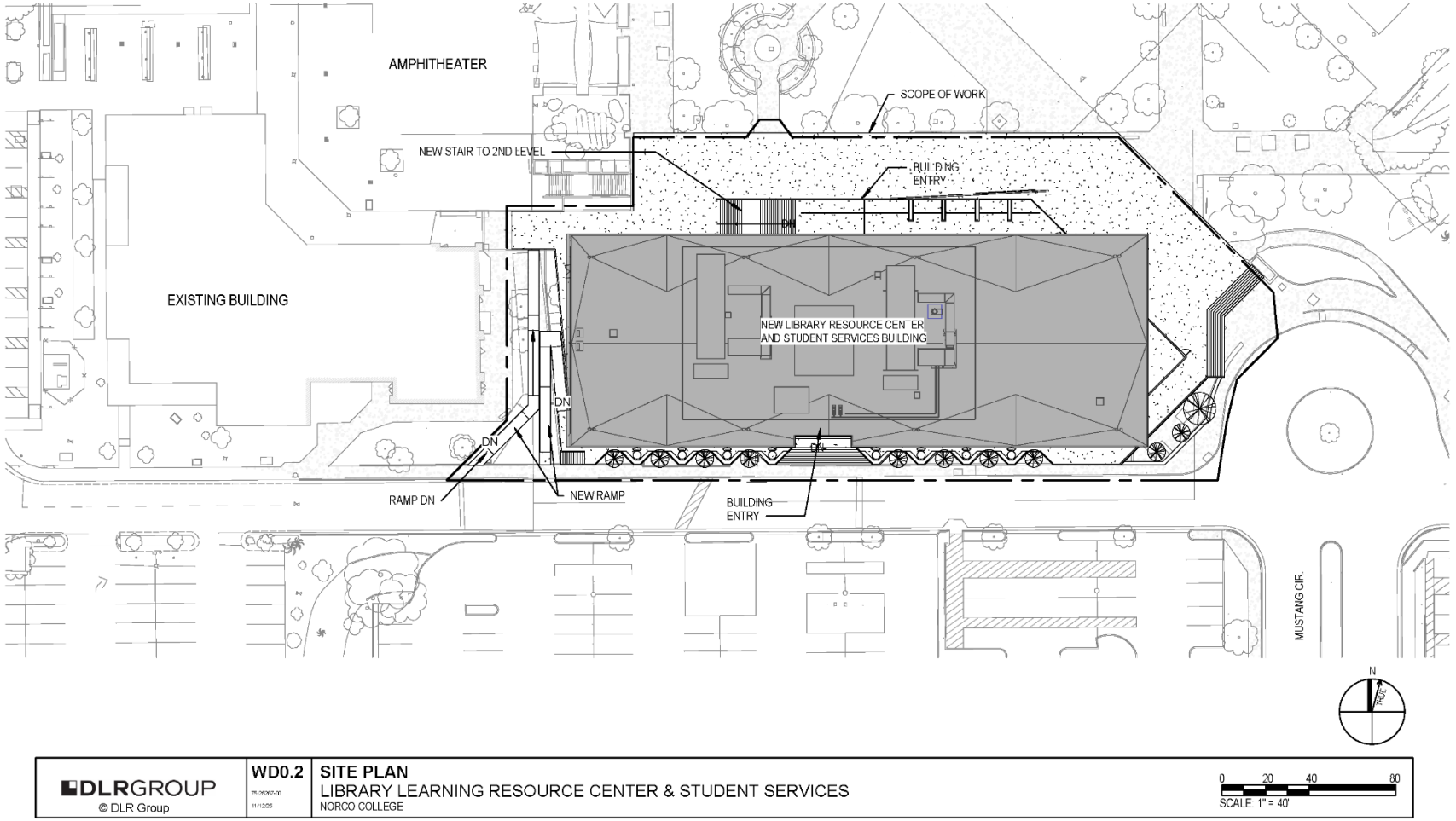
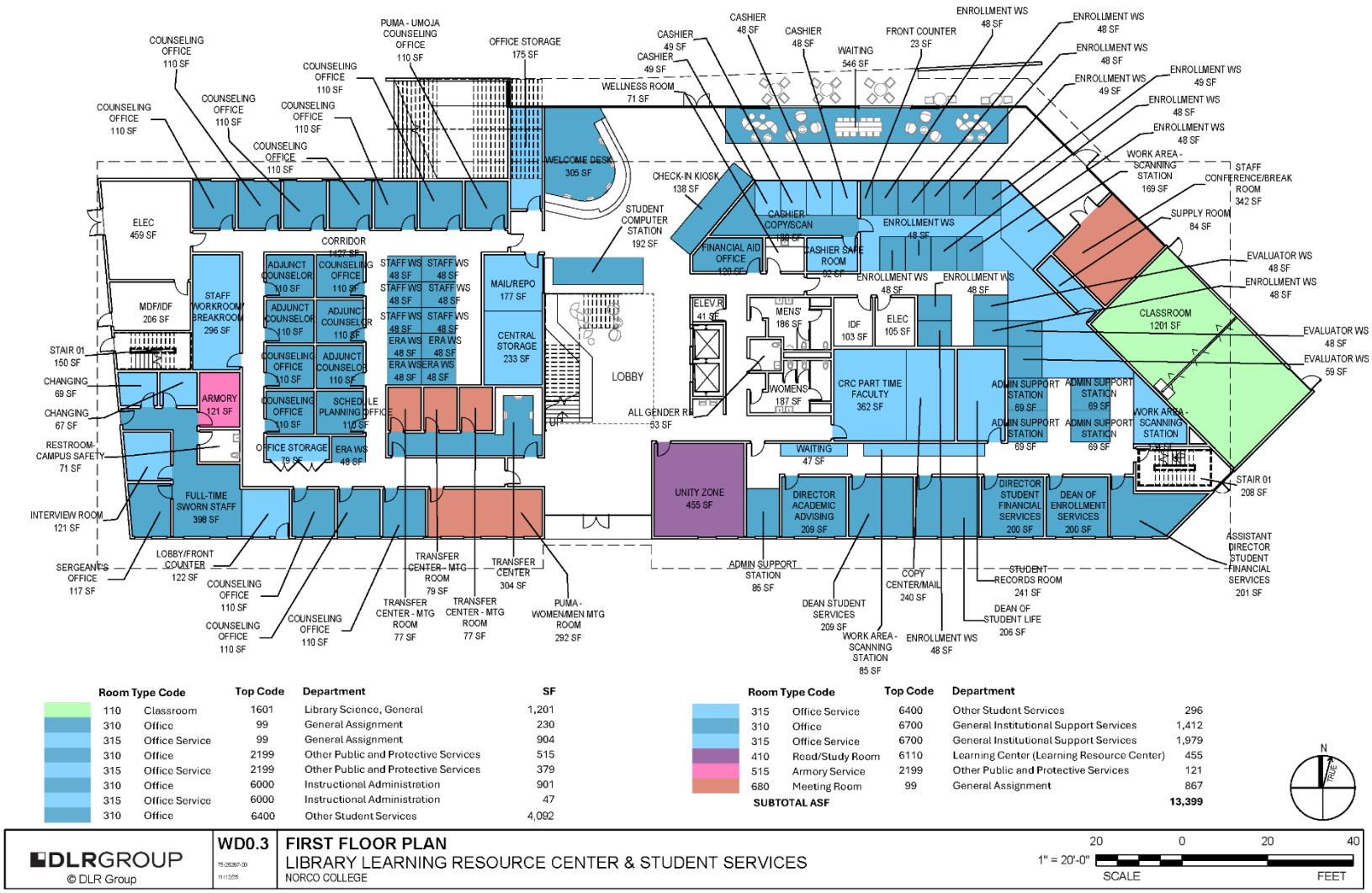


Figure 2.3-1. Schematic Design with Building Orientation

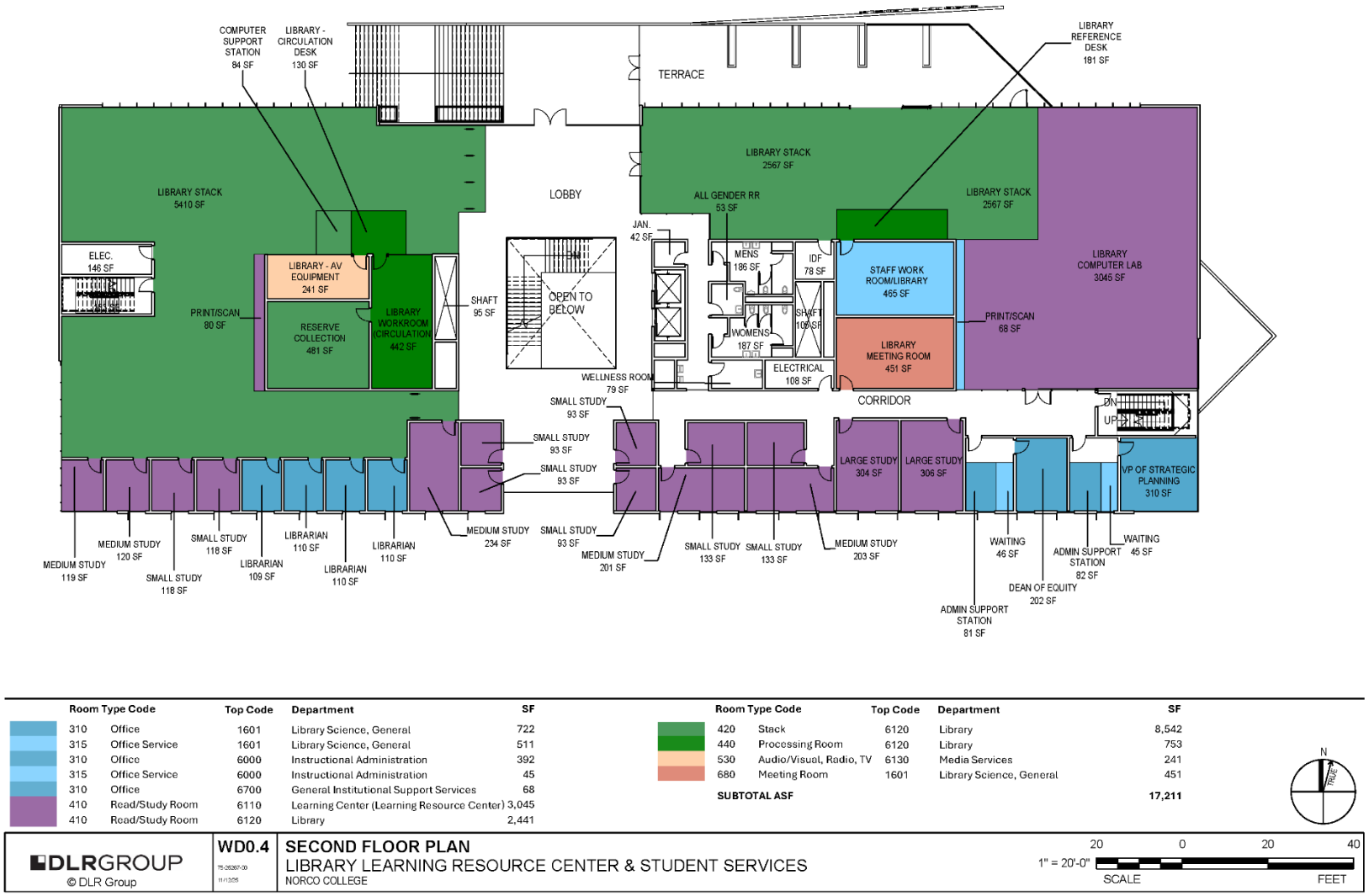


Room Type Code		Top Code	Department	SF
110	Classroom	1601	Library Science, General	1,201
310	Office	99	General Assignment	230
315	Office Service	99	General Assignment	904
310	Office	2199	Other Public and Protective Services	515
315	Office Service	2199	Other Public and Protective Services	379
310	Office	6000	Instructional Administration	901
315	Office Service	6000	Instructional Administration	47
310	Office	6400	Other Student Services	4,092

Room Type Code		Top Code	Department	
315	Office Service	6400	Other Student Services	296
310	Office	6700	General Institutional Support Services	1,412
315	Office Service	6700	General Institutional Support Services	1,979
410	Read/Study Room	6110	Learning Center (Learning Resource Center)	455
515	Armory Service	2199	Other Public and Protective Services	121
680	Meeting Room	99	General Assignment	867
SUBTOTAL ASF				**13,399**

DLRGROUP © DLR Group | WD0.3 | FIRST FLOOR PLAN | LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES | NORCO COLLEGE | 1" = 20'-0" | 20 0 20 40 SCALE FEET

Figure 2.3-2. Schematic Drawing of First Floor



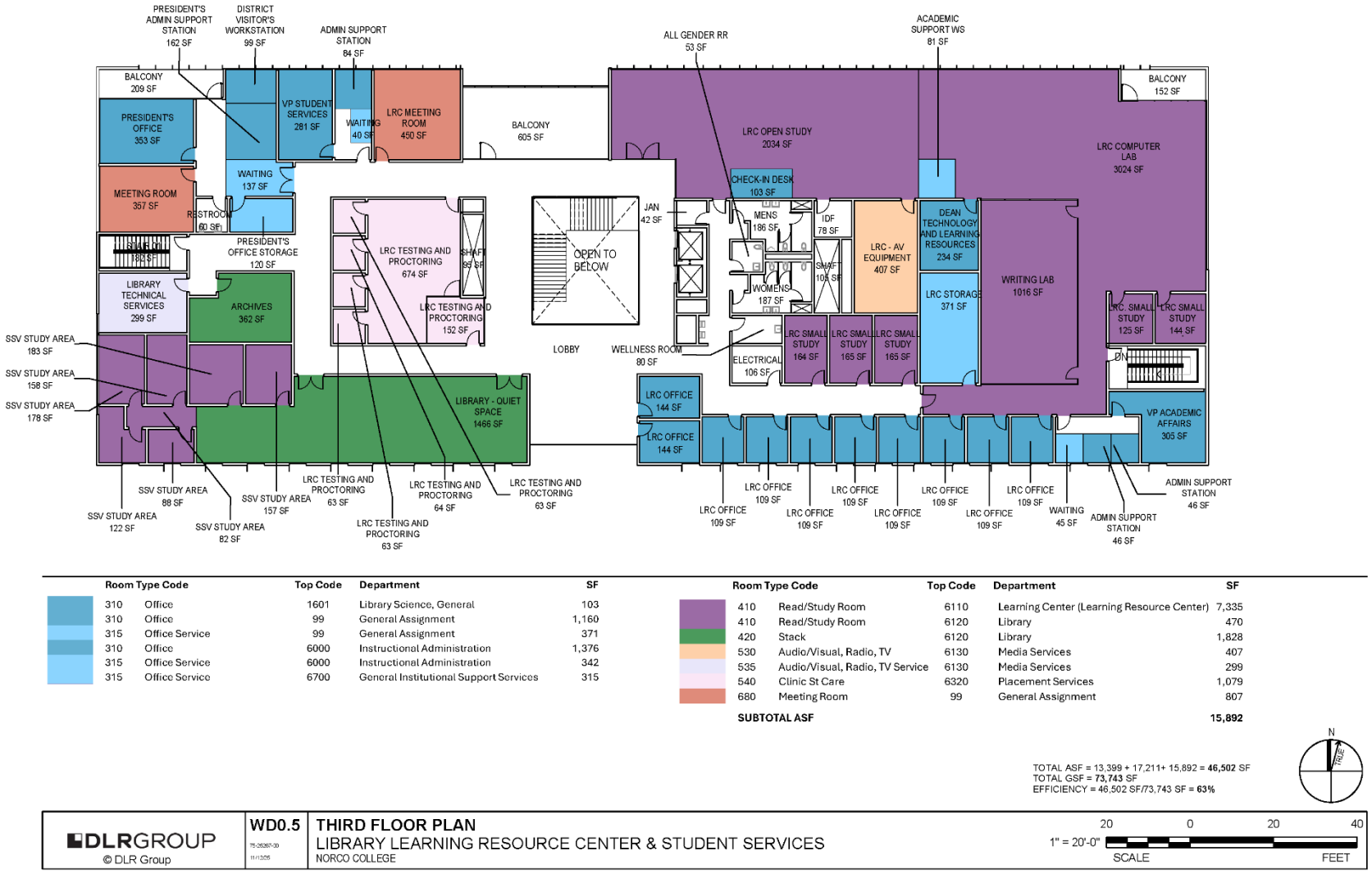
	Room Type Code		Top Code	Department	SF
	310	Office	1601	Library Science, General	722
	315	Office Service	1601	Library Science, General	511
	310	Office	6000	Instructional Administration	392
	315	Office Service	6000	Instructional Administration	45
	310	Office	6700	General Institutional Support Services	68
	410	Read/Study Room	6110	Learning Center (Learning Resource Center)	3,045
	410	Read/Study Room	6120	Library	2,441

	Room Type Code		Top Code	Department	SF
	420	Stack	6120	Library	8,542
	440	Processing Room	6120	Library	753
	530	Audio/Visual, Radio, TV	6130	Media Services	241
	680	Meeting Room	1601	Library Science, General	451
	SUBTOTAL ASF				**17,211**

N TRUE

DLRGROUP © DLR Group | WD0.4 | SECOND FLOOR PLAN | LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES | NORCO COLLEGE | 1" = 20'-0" | SCALE | 20 0 20 40 FEET

Figure 2.3-3. Schematic Drawing of Second Floor



	Room Type Code		Top Code	Department	SF
	310	Office	1601	Library Science, General	103
	310	Office	99	General Assignment	1,160
	315	Office Service	99	General Assignment	371
	310	Office	6000	Instructional Administration	1,376
	315	Office Service	6000	Instructional Administration	342
	315	Office Service	6700	General Institutional Support Services	315

	Room Type Code		Top Code	Department	SF
	410	Read/Study Room	6110	Learning Center (Learning Resource Center)	7,335
	410	Read/Study Room	6120	Library	470
	420	Stack	6120	Library	1,828
	530	Audio/Visual, Radio, TV	6130	Media Services	407
	535	Audio/Visual, Radio, TV Service	6130	Media Services	299
	540	Clinic St Care	6320	Placement Services	1,079
	680	Meeting Room	99	General Assignment	807
	SUBTOTAL ASF				**15,892**

TOTAL ASF = 13,399 + 17,211+ 15,892 = **46,502** SF
TOTAL GSF = **73,743** SF
EFFICIENCY = 46,502 SF/73,743 SF = **63%**

N TRUE

DLRGROUP © DLR Group | WD0.5 | **THIRD FLOOR PLAN**
LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES
NORCO COLLEGE
1" = 20'-0" SCALE | 20 0 20 40 FEET

Figure 2.3-4. Schematic Drawing of Third Floor

2.3.2 Site Access, Circulation, and Parking

The main pedestrian access will be generally in the center of the building and from north and the south. From these access points, there will be hallways reaching to both the east and west ends of the building. Stairs to the second floor will also be located at both the east and west ends of the building as well as the central core. Access to the second floor will be from the center core or from the north at Plaza Level leading into a lobby area with hallways reaching both east and west. The third floor will have an atrium that is open from the second floor and a smaller lobby and hallways.

2.3.3 Frontage Improvements

The proposed Project is the construction of a three-level building. There will be new concrete walkways surrounding the new building with scattered landscape features in the immediate area of the new building.

2.3.4 Stormwater and Other Utility Improvements

Since the Project site is located within Norco College campus and is surrounded by existing school buildings, the site is served by existing domestic water, sanitary sewer, stormwater, and electrical utilities. The Project will connect to these utilities from their current locations within the Project vicinity.

2.4 Project Construction and Phasing

The Project will be built in one phase. Construction of the Project will include demolition of the existing Student Services and College Resource Center buildings, the eastern portion of the existing pedestrian bridge between the College Resource Center and the Library, sidewalk, and landscaping, site preparation, grading, underground utility construction (trenching), building construction, pedestrian bridge replacement, and architectural coating. For the purposes of this analysis, it is assumed that construction of the Project will commence in December 2027 and will last approximately 24months. All construction areas and staging areas will be fenced off and isolated from the rest of Norco College campus.

Site preparation will involve the removal of the existing Student Services and College Resource Center buildings, concrete, and landscaping located on the site. Additional site clearing and rough grading will occur during the site preparation phase. After grading, there will be trenching of soil for the placement of underground utilities. Building construction will involve the construction of the proposed building and associated exterior hardscape features (i.e., sidewalks, access ramps, stairways). The paving phase will involve paving walkways and hardscape around the building. The architectural coating phase will involve the application of interior and exterior paints and coatings.

2.5 Project Approvals

The actions and/or approvals that RCCD needs to consider for the Project include, but are not limited to, the following (this list is preliminary, and may not be comprehensive):

- Adoption of the Initial Study/Mitigated Negative Declaration (IS/MND)
- Division of State Architect – Title 24 structural, access compliance, fire/life safety, and energy reviews.

- State Fire Marshall – Fire/life safety
- Department of Toxic Substances Control – Soil remediation and monitoring
- State Public Works Board.

Subsequent non-discretionary approvals (which will require separate processing through RCCD) will include, but may not be limited to a demolition permit, grading permit, building permits, and occupancy permits.

3.0 Initial Study Checklist

1. **Project title:**

   Norco College Library Learning Resource Center and Student Services Building

2. **Lead agency name and address:**

   Riverside Community College District

   3801 Market Street

   Riverside, California 92501

3. **Contact person and phone number:**

   Mehran Mohtasham, Director, Capital Planning, Facilities Planning and Development

   (951) 222-8946

4. **Project location:**

   2001 Third Street

   Norco, California 92860

5. **Project sponsor's name and address:**

   Riverside Community College District

   3801 Market Street

   Riverside, California 92501

6. **General plan designation:**

   Preservation and Development (PAD)

7. **Zoning:**

   Preservation and Development (PAD)

8. **Description of Project. (Describe the whole action involved, including but not limited to later phases of the Project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary):**

   See Section 2.3, Project Characteristics.

9. **Surrounding land uses and setting (Briefly describe the Project's surroundings):**

   See Section 2.2, Environmental Setting.

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

    See Section 2.5, Project Approvals.

11. **Have California Native American tribes traditionally and culturally affiliated with the Project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

    Yes. See Section 3.18, Tribal Cultural Resources.

Environmental Factors Potentially Affected

The environmental factors checked below will be potentially affected by this Project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agricultural and Foresty Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology and Soils	☐ Greenhouse Gas Emissions	☐ Hazards and Hazardous Materials
☐ Hydrology and Water Quality	☐ Land Use and Planning	☐ Mineral Resources
☐ Noise	☐ Population and Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities and Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation, the following finding is made:

☐ The proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ 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.

☐ The proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ 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.

☐ 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

Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).

5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

    a. Earlier Analysis Used. Identify and state where they are available for review.

    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

    c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9. The explanation of each issue should identify:

    a. the significance criteria or threshold, if any, used to evaluate each question; and

    b. the mitigation measure identified, if any, to reduce the impact to less than significance

3.1 Aesthetics

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS – Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

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

Less Than Significant Impact. Scenic vistas and other important visual resources are typically associated with natural landforms such as mountains, foothills, ridgelines, coastlines, and open space areas, and are typically designated by jurisdictions within their planning documents (i.e., general plans, community plans, and area plans). While the City's planning documents do not identify or designate any scenic vistas within the City, the City's General Plan Land Use Element states that landmarks and community focal points tend to revolve around the views of the surrounding San Gabriel, San Bernardino, and Santa Ana Mountains (City of Norco 2009). Neither the Project site nor the surrounding area is associated with any scenic designation. The proposed three-story structure will be located at a lower elevation relative to the existing hills toward the north, which provide views of the Santa Ana Mountains and Corona Valley. However, the existing distant view of the Santa Ana Mountains is not a designated scenic vista and is fairly typical of other southerly views available near the Project site and surrounding area, including other vantages on the Norco College campus.

The Project is within the central area of campus and is screened from open space views by the other campus buildings and landscaping. The proposed Project will have similar views to the existing building and will not block views of open space or scenic areas. Therefore, implementation of the proposed Project will result in a less than significant impact on a scenic vista and no mitigation is required.

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

No Impact. According to the California Department of Transportation (Caltrans) California Scenic Highway Mapping System (Caltrans 2022), no officially designated or eligible state scenic highways are located adjacent to or near the Project site. In addition, the City's General Plan does not identify any designated scenic corridors. Therefore, there is no impact associated with scenic highways and no mitigation is required.

c) In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less Than Significant Impact. The Norco College campus is in an urbanized area. The proposed Project will incorporate design elements of appropriate scale, bulk, and mass that will create an organized and unified visual pattern similar to the surrounding environment and existing structures and landscaping associated with the campus. Thus, visual contrast associated with introduction of the proposed Project will be low.

The City's General Plan designates the campus as Preservation and Development (PAD) (City of Norco 2012a) with a zoning designation of PAD (City of Norco 2012b). The proposed Project does not violate any policies in the City's General Plan, Municipal Code, or any applicable specific plans in the area. Impacts will be less than significant.

The Project location is very similar to the existing building and will not block or create new views for scenic areas north of campus. The proposed Project will have views of the college campus, similar to the existing building.

Construction activities will cause short-term visual quality impacts that will be experienced by college students, employees and visitors. Impacts will be associated with the temporary presence of construction equipment, vehicles, and operations on the Project site. However, due to the temporary nature of construction, impacts associated with visual character and quality will be less than significant and 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?

Less Than Significant Impact. The proposed Project will introduce lighting for the proposed structures, walkways, and landscaped areas to be constructed on site. Similar to existing campus buildings, the proposed LLRC and Student Services building will include interior lighting for illumination of offices, restrooms, and exterior lighting for safety and security purposes. The building will also require compliance with County of Riverside Ordinance No. 655 – Regulating Light Pollution. This Ordinance requires all artificial outdoor light fixtures to be installed in conformance with its provisions and any other applicable County of Riverside ordinances regulating such installations. Additionally, the Project will require compliance with Chapter 18.24 of the City Municipal Code on exterior lighting for commercial properties. All lighting will be directed, oriented, and shielded to prevent light from shining onto adjacent properties and to minimize nighttime glow and light spillage. Thus, by controlling the use of lighting on the site and the use of shielding, light and glare resulting from the proposed Project will not adversely affect daytime or nighttime views in the area, and impacts will be less than significant, and no mitigation is required.

3.2 Agricultural and Forestry Resources

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
II. AGRICULTURAL AND FORESTRY RESOURCES – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

a) 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. Based on farmland maps prepared by the California Department of Conservation, the Project site is not located in an area designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The Project site is designated as "Urban and Built-Up Land" (DOC 2022a).

Therefore, there is no impact associated with conversion of important Farmland and no mitigation is required.

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

No Impact. According to the California Department of Conservation's Williamson Act Parcel map for Riverside County, the Project site is not located on or adjacent to any land under a Williamson Act contract (DOC 2024).

According to the Housing Element of the City's General Plan, the City does not include any land that is currently an active Williamson Act contract (City of Norco 2021). Therefore, implementation of the proposed Project will not result in the cancellation of an active contract and no impacts related to a Williamson Act contract will occur. Additionally, the Project site is not zoned for agricultural use. Therefore, the proposed Project will not result in impacts to agricultural-zoned areas. There is no impact and no mitigation is required.

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. The Project site is located on the Norco College campus and within a developed part of the City. According to the City's Zoning Map, the Project site is not located on or adjacent to forest land, timberland, or timberland zoned Timberland Production (City of Norco 2012b). Therefore, there is no impact associated with forest land or timberland and no mitigation is required.

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

No Impact. The Project site is located on the Norco College campus and within a developed part of the City. The Project site is not located on or adjacent to forest land. No private timberlands or public lands with forests are located in the City. Therefore, there is no impact associated with the loss or conversion of forest land and no mitigation is required.

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. As discussed previously in Sections 3.2(b) and 3.2(c), the Project is located on the Norco College campus and within a developed part of the City. The Project site is not located on or adjacent to any parcels identified as Important Farmland or forest land. In addition, the proposed Project will not involve changes to the existing environment that will result in the indirect conversion of Important Farmland or forest land located away from the Project site. Therefore, there is no impact associated with the conversion of Farmland or forest land and no mitigation is required.

3.3 Air Quality

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY - Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

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

Less Than Significant Impact. The Project site is within the South Coast Air Basin and under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The South Coast Air Basin encompasses the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties and all of Orange County. The SCAQMD has jurisdiction over air quality issues and regulations within the South Coast Air Basin. To assist local agencies in determining if a Project's emissions could pose a significant threat to air quality, the South Coast Air Quality Management District has adopted the CEQA and implemented the 2022 Air Quality Management Plan (AQMP) which provides actions, strategies, and steps needed to reduce air pollution emissions and meet ozone standards by 2037 (SCAQMD 2022).

Emissions from the construction and operational use of the proposed Project were evaluated and compared to the SCAQMD air quality thresholds to determine significance. SCAQMD has established the following criteria for determining consistency with the 2022 AQMP:

- **Consistency Criterion No. 1**: Whether the project will result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- **Consistency Criterion No. 2**: Whether the project will exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

An Air Quality, Greenhouse Gas, and Energy Impact Study, dated November 19, 2025, was prepared for the Project site by MD Acoustics (Appendix A). Potential air quality impacts were assessed using the California Emissions Estimator Model (CalEEMod) program (Version 2022.1.1.31) to quantify potential criteria pollutants and greenhouse gas emissions using regional data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.). The analysis included short-term construction and long-term operational emissions associated with the proposed Project.

To address Consistency Criterion No. 1, short-term construction emissions were modeled based on a 24-month period beginning in December 2027 and included demolition, site preparation, grading, trenching, building, and architectural coating (painting). These activities included emissions from off-road equipment, dust from material movement, onsite trucks, workers, vendors, hauling, and painting. Long-term operational emissions were modeled over the life of the Project and included emissions from mobile and area sources. Mobile sources include emissions from additional driving caused by the Project and area sources include consumer product usage, gasoline-powered landscape equipment, painting, and motor vehicles.

The proposed Project is not projected to exceed regional emission thresholds set in SCAQMD Air Quality Management Plan for construction or operation (see Table 3.3-1). Therefore, the Project is consistent with Consistency Criterion No. 1.

Table 3.3-1. South Coast Air Quality Management District Regional Significance Thresholds

	Construction		Operational	
Pollutant	**SCAQMD Threshold**	**Estimated Emissions (pounds/day)**	**SCAQMD Threshold**	**Estimated Emissions (pounds/day)**
VOC	75	32.35	55	2.35
NO_x	100	10.39	55	0.88
CO	550	14.89	550	3.92
SO_2	150	0.02	150	0.01
PM_{10}	150	0.91	150	0.07
$PM_{2.5}$	55	0.42	55	0.06

Source: Air Quality Impact Study (Appendix A)

Consistency Criterion No. 2 addresses whether the proposed Project exceeds the assumptions in the AQMP or increments based on the year of project buildout and phase, which is determined through land use designation consistency. The proposed Project will be replacing an existing facility on campus. Therefore, the proposed Project will not result in an inconsistency with the land use designation in the City's General Plan, is not anticipated to exceed AQMP assumptions for the Project site, and is found to be consistent with Consistency Criterion No. 2.

Based on the above, the proposed Project will not result in an inconsistency with the AQMP. Therefore, the proposed Project will result in a less than significant impact and no mitigation is required.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less Than Significant Impact. An attainment area meets the national standards for criteria pollutant levels. If an area exceeds these levels, it is considered a non-attainment area. The Project area has been designated as a non-attainment area for ozone (O_3) and respirable particulate matter (PM_{10}).

The greatest source of emissions is from mobile sources, which travel beyond the local area. Therefore, the cumulative analysis for the Project's air quality must be assessed regionally. Construction and operation of cumulative projects will further degrade the local air quality of the Basin. The greatest cumulative impact on the regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with SCAQMD, projects that do not exceed regional thresholds or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The proposed Project does not exceed any of the thresholds of significance and therefore is considered less than significant and no mitigation is required.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact with Mitigation Incorporated. Sensitive receptors refer to any location where individuals of groups more sensitive to air pollution due to their exposure may remain for 24 hours or longer, such as residences, schools, daycare centers, playgrounds, or medical facilities. These sensitive groups include children, the elderly, individuals with acute and/or chronic illnesses, and those with cardio-respiratory diseases.

To assess local air quality impacts, the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the Project vicinity. The emission thresholds were based on the Norco/Corona Source Receptor Area (SRA 22) and a disturbance of one acre per day at 100 meters (328 feet). The nearest existing sensitive receptors to the Project Site are the residences located approximately 100 meters (330 feet) southwest of the Project Site.

Table 3.3-2. South Coast Air Quality Management District Localized Significant Thresholds

Pollutant	Construction		Operational	
	SCAQMD LST (pounds/day)	Estimated Emissions (pounds/day)	SCAQMD LST (pounds/day)	Estimated Emissions (pounds/day)
NO_x	211	9.89	211	0.88
CO	1,853	12.40	1,853	3.92
PM_{10}	32	0.28	8	0.07
$PM_{2.5}$	9	0.26	3	0.06

Source: Air Quality Impact Study (Appendix A)

The local construction and operational emission will not exceed the LSTs set by the SCAQMD at the nearest sensitive receptors; therefore, the Project will not expose sensitive receptors to substantial pollutant concentrations (see Table 3.3-2).

However, a Health Risk Assessment, dated December 12, 2025, was prepared for the Project site by MD Acoustics (Appendix A). SCAQMD has established the following project-specific health risk significance thresholds for assessing a project's health risk impact (SCAQMD 2023):

- Maximum Incremental Cancer Risk: greater than or equal to 10 in 1 million
- Cancer Burden: greater than 0.5 excess cancer cases (in areas greater than or equal to 1 in 1 million)
- Chronic & Acute Hazard Index: greater than 1.0 (project increment)

The Maximum Incremental Cancer Risk threshold was exceeded at several receptors assessed in the Health Risk Assessment (see Table 3 of Health Risk Assessment in Appendix A). Due to the significance threshold exceedance, **Mitigation Measure AQ-1** shall be implemented to lower the maximum carcinogenic health risk from construction. With the implementation of **Mitigation Measure AQ-1**, impacts to sensitive receptors will be less than significant.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. The evaluation of other emissions is focused on the potential for the Project to generate odors. The occurrence and severity of potential odor impacts depend on numerous factors: the nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors will be potentially generated from application of asphalt pavement and exhaust emissions from vehicles and equipment during construction of the Project. Potential odors produced during construction will be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors will disperse rapidly from the Project site and generally occur at magnitudes that will not affect substantial numbers of people. Therefore, impacts associated with odors during construction will be less than significant and no mitigation required.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding facilities (SCAQMD 2017). The Project entails operation of a Library Learning Resource Center and Student Services, which is not a land use that is associated with the creation of unwanted odors. Therefore, Project operations will result in an odor impact that is less than significant, and no mitigation is required.

Mitigation Measures

Mitigation Measure AQ-1:

All diesel-powered construction equipment used on-site shall be rated Tier 4 Final. Contract specifications shall require that all off-road equipment over 50 horsepower meet U.S. EPA Tier 4 emission standards, when available, to minimize emissions of NO_x, PM_{10}, and $PM_{2.5}$. In addition, all equipment shall be equipped with Best Available Control Technology (BACT) certified by CARB. Any emissions control device installed by the contractor must achieve reductions equivalent to, or greater than, those provided by a CARB-verified Level 3 diesel emissions control strategy for an engine of the same size. At mobilization, the contractor shall provide documentation for each applicable equipment unit, including certified tier ratings, BACT verification, and the CARB or SCAQMD operating permit.

3.4 Biological Resources

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES - Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

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

Less Than Significant Impact with Mitigation Incorporated. A General Habitat Assessment, dated October 17, 2025, was prepared for the Project Site by Terracon Consultants, Inc.

(Appendix B). The Project site is referenced in the Habitat Assessment as the "Study Area" and comprises a 9.3-acre area that consists of an existing parking lot (Parking Lot A) and two vacant, disturbed areas that are potential swing spaces during construction. One is to the west of the proposed LLRC and Student Services building, and adjacent to Parking Lot D and West End Drive. The second optional swing space is located east of the proposed LLRC and Student Services building and north of Parking Lot B.

As part of the environmental process, the California Department of Fish and Wildlife (CDFW) and U.S. Fish and Wildlife Service (USFWS) data sources were reviewed. Fifty-seven (57) Special-Status, California Species of Special Concern, and/or Fully Protected Species were identified in the data review as having potential to be present on the Project site. Following the data review, an on-site survey was conducted on September 25, 2025, during which the Project site was evaluated for the presence of habitats which may support populations of sensitive wildlife species.

No habitat for special-status species was identified within the Project site. As a result, impacts directly or through habitat modifications to special-status species will be less than significant. Additional analysis for these species is included in Appendix B.

The Project site contains trees, shrubs, and bare ground that will potentially be used by migratory birds for breeding. Due to the potential for migratory bird species to nest near the site, **Mitigation Measure BIO-1** shall be implemented to ensure no impacts to nesting birds occur if construction is scheduled to take place during the typical nesting bird season (January 1 – September 15). With the implementation of **Mitigation Measure BIO-1**, impacts will be less than significant.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No Impact. The proposed Project site does not contain any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the CDFW or USFWS. The vegetation present on site consists primarily of ornamental landscaping on the developed areas of the Project site, and graded, nonnative grassland on the undeveloped areas of the proposed swing spaces (Appendix B). Therefore, there is no impact and no mitigation is required.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. The Project site does not contain any state or federally protected wetlands. The National Wetland Inventory (NWI) does not identify any wetland features within the Project site and the closest feature is approximately 0.1 miles north of the Project site (USFWS 2025). Therefore, there is no impact and no mitigation required.

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

No Impact. The Project site is not located within a California Essential Habitat Connectivity (CEHC) area and does not function as a wildlife movement or migration corridor (CDFW 2025). The site currently comprises an existing parking lot on a developed college campus. Therefore, there is no impact and no mitigation is required.

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

No Impact. The Project is located in the City of Norco. As proposed, the Project will not conflict with any local policies or ordinances protecting biological resources in the City of Norco. Therefore, there is no impact on any biological resources protected by a local ordinance and no mitigation is required.

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. The Project site is located within the Plan Area of the Western Riverside County Multiple Species Habitat Conservation Plan (WR-MSHCP). However, the Project Site is not located within a WR-MSHCP Criteria Area, Cell Group, or Linkage Area; does not occur within any predetermined survey areas for Criteria Area Species, Narrow Endemic Plant Species, Amphibian Species, Mammal Species, or Burrowing Owl; and is compliant with Riparian/Riverine Areas and Vernal Pools, Urban/Wildlands Interface, and Fuels Management sections of the WR-MSHCP (see Appendix B). Therefore, there is no impact and no mitigation is required.

Mitigation Measures

Mitigation Measure BIO-1:

Nesting Bird Surveys. In the event of vegetation clearing, cutting, or removal activities taking place during the nesting season (January 1 – September 15), a qualified biologist shall conduct a nesting bird survey within 72 hours prior of such activities. The survey shall consist of full coverage of the Project footprint and an appropriate buffer, as determined by the biologist. If no occupied nests are found, no additional steps shall be required. If an active nest is observed, a qualified biologist shall be designated as the biological monitor. This monitor shall be required to be on-site at all times during activities involving vegetation clearance or ground disturbance. Their primary responsibility shall be to ensure that potential impacts on biological resources are either avoided or minimized to the greatest extent possible, including establishing an appropriate buffer around the active nest. No construction or ground-disturbing activities shall be conducted within the buffer until the biologist has determined that the nest is no longer being used for breeding or rearing.

3.5 Cultural Resources

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES - Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	☐	☒	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?

Less Than Significant with Mitigation Incorporated. A Cultural Resources Assessment was conducted by Terracon in October 2025. The report is included in Appendix C of this Initial Study and is summarized below.

A records search was performed from the South Coastal Information Center (SCIC) to identify any previously recorded archaeological and historic-era resources within the Project site and to determine the types of resources that might occur. The records search provided by SCIC revealed that four Cultural Resources Surveys have been conducted within 0.5-mile of the Project site, one of which encompassed the Project site. No cultural resources have been previously identified within the site boundaries. In addition, there were no historic-era resources that will be impacted by Project activities identified during the field survey.

Although the current study has not indicated sensitivity for cultural resources (historical or archaeological) within the Project boundaries, ground-disturbing activities have the potential to reveal buried deposits not observed on the surface during previous surveys. For this reason, **Mitigation Measure CR-1** is applicable. With the implementation of **Mitigation Measure CR-1**, impacts to cultural resources will be less than significant.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?

Less Than Significant with Mitigation Incorporated. A Cultural Resources Records Search was conducted at the SCIC at San Diego State University concluded that there have been four cultural resources studies completed resulting in three Pre-Contact archaeological sites, two historic period archaeological sites, and one above-ground resource within 0.5-mile of the Project Site. There are no recorded archaeological sites within the site boundaries.

Although no significant archaeological deposits were present on the proposed Project site, ground disturbing activities have the potential to reveal buried deposits not observed on the surface

during field surveys. For this reason, **Mitigation Measures CR-2** is applicable. With the implementation of **Mitigation Measures CR-2**, impacts to archaeological resources will be less than significant.

c) Disturb any human remains, including those interred outside of dedicated cemeteries?

Less Than Significant Impact with Mitigation Incorporated. The Cultural Resources Record Search and Cultural Resources Assessment did not indicate that the Project site has ever been used as a formal or informal cemetery. There are no previously recorded cultural resources on the Project site. Since the site has been previously disturbed, ground-disturbing activities associated with construction of the proposed structures are unlikely to uncover previously unknown archaeological resources. However, if human skeletal remains are discovered during ground-disturbing activities, California Health and Safety Code Section 7050.5 states that the County Coroner must be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains can occur until the County Coroner has determined, within two working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she must notify the Native American Heritage Commission (NAHC) in Sacramento within 24 hours. In accordance with California Public Resources Code Section 5097.98, the NAHC must immediately notify those persons it believes to be the most likely descendant from the deceased Native American. The most likely descendant must complete his or her inspection within 48 hours of being granted access to the site. The designated Native American representative will then determine, in consultation with the property owner, the disposition for the human remains. Impacts related to human remains outside of dedicated cemeteries will be less than significant with incorporation of **Mitigation Measure CR-3.**

Mitigation Measures

Mitigation Measure CR-1:

Inadvertent Discoveries of Cultural Resources. If cultural resources are discovered during Project activities, all work in the immediate vicinity of the find (within a 50-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall be hired to assess the find, and if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer. Work on the other portions of the Project outside of the buffered area may continue during this assessment period.

Mitigation Measure CR-2:

Inadvertent Discoveries of Archaeological Resources. In the event that potential prehistoric or historic-era archaeological resources and/or Tribal Cultural Resources (sites, features, or artifacts) are exposed during construction activities for the Project, construction work occurring not less than 50 feet of the find shall immediately stop and a qualified archaeologist must be notified immediately to assess the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under the California Environmental Quality Act (CEQA), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work (e.g., preparation of an archaeological treatment plan, testing, or data recovery) may be warranted. If Native American resources are discovered or are suspected, each of the consulting tribes for the Project will also be notified of any inadvertent discoveries or potential impacts to cultural resources, sacred sites, or ancestral remains, including

the Cahuilla Band of Indians, Gabrieleño Band of Mission Indians–Kizh Nation, and Pauma Band of Luiseno Indians.

Mitigation Measure CR-3:

Unanticipated Discovery of Human Remains. If human remains are encountered during activities associated with the proposed Project, 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 prehistoric, the 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.

3.6 Energy

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. ENERGY - Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less than Significant Impact.

Construction

During the construction phase, the Project will consume electricity and fossil fuels for site preparation, grading, building construction, paving, and painting. The energy consumption for these activities will cease after construction is complete. The equipment used over the 24-month construction period will conform to California Air Resource Board (CARB) regulations and California emission standards, meeting expected fuel efficiencies. The CARB Airborne Toxic Control Measure limits idling time of construction vehicles to no more than five minutes, thereby minimizing unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Additionally, the Project has been designed in compliance with California's Energy Efficiency Standards and 2022 CALGreen Standards. The Project will require the typical use of energy resources; there are no unusual Project characteristics or construction processes that will require the use of equipment that will be more

energy intensive than is used for comparable activities or equipment that will not conform to current emission standards and related fuel efficiencies.

Operation

During operations, the Project will involve transportation and facility energy demands. Transportation energy demand will result from employee and patron vehicles accessing the site (trip generation). Typically, the largest source of operational energy use is from vehicle operation of customers, but the Project will not generate additional vehicle trips because it will be replacing an existing facility on campus. No additional vehicle trips will be generated by the Project and will therefore have no additional transportation fuel consumption. Facility energy demand will result from energy consumption from building operations and site maintenance activities. The estimated increase in electricity demand from the proposed Project is insignificant compared to the demand of the non-residential sector of Riverside County in 2022 (see Table 3.6-1).

Table 3.6-1. Comparison of Proposed Project and County Facility Energy Demand

	Electricity Demand (kWh/year)
Proposed Project	707,068[(1)]
Riverside County (non-residential sector)	8,720,000[(2)]

Sources:
1. CalEEMod Version 2022.1.1.31
2. California Energy Commission, Electricity Consumption by County. https://ecdms.energy.ca.gov/elecbycounty.aspx

Therefore, the Project will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation and no mitigation is required.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. The Project site is located in an already developed area with access via existing roads; therefore, it will not interfere with intermodal transportation plans or projects under the Intermodal Surface Transportation Efficiency Act (ISTEA), as Southern California Area Governments (SCAG) is not planning for intermodal facilities in the Project area.

The Project will comply with the California Green Building Standards Code (CALGreen) and Title 24 of the California Code of Regulations, which establish requirements for energy-efficient buildings and appliances. Compliance with these standards, along with participation in utility energy efficiency programs offered by Southern California Edison and Southern California Gas Company, ensures alignment with the State's Energy Plan.

Additionally, the Project will meet or exceed CALGreen requirements related to renewable energy and sustainability, including reducing water consumption, improving building system efficiency through commissioning, diverting construction waste from landfills, and using low-emitting materials.

These measures demonstrate consistency with state and local renewable energy and energy efficiency goals. Therefore, the proposed Project will have a less than significant impact and no mitigation is required.

3.7 Geology and Soils

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS - Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map, issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. ii) Strong seismic ground shaking? iii) Seismic-related ground failure, including liquefaction? iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

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

Less Than Significant Impact. The Project site is located in the northern part of the Peninsular Ranges Geomorphic Province of southern California. Cretaceous igneous rocks of the Southern California batholith underlie the Peninsular Ranges at depth in this area. Northwest-trending, right-lateral, strike-slip faults dominate the structure of the Peninsular Ranges. The active Chino–Central Avenue Fault is present approximately 5 miles west of the Project site. This fault zone has experienced significant activity in the recent geologic past. The San Andreas Fault, the most active and extensive fault in California, is located approximately 25 miles northeast of the site. Locally, the Project site is mapped as being underlain by Cretaceous micropegmatite granite of the Gavilan Ring Complex, with granitic bedrock also underlying the hilly terrain to the northeast.

According to the California Geological Survey's Earthquake Zones of Required Investigation web map, the Project site is not located over any known faults and is not located near a pressure ridge or within a current state-designated earthquake fault zone; therefore, the potential for future surface rupture of active faults on site is considered to be very low (DOC 2022b). Further, according to the City's Safety Element, there are no active or potentially active faults present in the City (City of Norco 2013). Therefore, impacts associated with fault rupture will be less than significant and no mitigation is required.

ii) Strong seismic ground shaking?

Less Than Significant Impact. Similar to other areas located in the seismically active southern California region, the area is susceptible to ground shaking caused by fault systems. The known regional active faults that could produce the most significant ground shaking at the Project site include the Chino–Central Avenue, San Jose, San Andreas, Whittier, and Elsinore–Glen Ivy Faults. The closest fault is the Chino–Central Avenue Fault, located approximately 5 miles west of the Project site. However, the Project site is not located within an active fault zone, and the Project site will not be affected by ground shaking more than any other area in this seismic region. Additionally, the proposed Project includes the construction of the proposed LLRC and Student Services building, which will be designed in accordance with applicable provisions established in the current California Building Code, which sets forth specific engineering requirements to ensure structural integrity during a seismic event. Compliance with these requirements will reduce the potential risk to both people and structures with respect to strong seismic ground shaking. Therefore, impacts associated with strong seismic ground shaking will be less than significant and no mitigation is required.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction occurs when partially saturated soil loses its effective stress and enters a liquid state, which can result in the soil's inability to support structures above. Liquefaction can be induced by ground-shaking events and is dependent on soil saturation conditions. According to the Safety Element of the City's General Plan, the areas where liquefaction is a potential issue are along the Santa Ana River channel, which is approximately 1.4 miles northwest of the Project site. As such, the proposed Project site is in

an area identified as having low liquefaction susceptibility. Therefore, impacts associated with liquefaction will be less than significant and no mitigation is required.

iv) Landslides?

Less Than Significant Impact. There are no significant slopes at or near the Project site. Additionally, the Project site is relatively flat, and during the grading phase, the Project site will be further leveled. As a result, impacts resulting from landslides will be less than significant and no mitigation is required.

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

Construction

Less Than Significant Impact. The Project will involve earthwork and other construction activities that will disturb surface soils and temporarily leave exposed soil on the ground's surface. Common causes of soil erosion from construction sites include stormwater, wind, and soil being tracked off site by vehicles. To help limit erosion, Project construction activities must comply with applicable federal, state, and local regulations for erosion control. The Project will be required to comply with standard regulations, including South Coast Air Quality Management District Rules 402 and 403, which will reduce construction erosion impacts. Rule 402 requires that dust suppression techniques be implemented to prevent dust and soil erosion from creating a nuisance off site (SCAQMD 1976). Rule 403 requires that fugitive dust be controlled with best available control measures so that it does not remain visible in the atmosphere beyond the property line of the emissions source (SCAQMD 2005).

Since Project construction activities will disturb 1 or more acres, the Project must adhere to the provisions of the National Pollutant Discharge Elimination System (NPDES) Construction General Permit. Construction activities subject to this permit include clearing, grading, and ground disturbances such as stockpiling and excavating. The NPDES Construction General Permit requires implementation of a SWPPP, which will include construction features for the Project (i.e., best management practices [BMPs]) designed to prevent erosion and protect the quality of stormwater runoff. Sediment-control BMPs may include stabilized construction entrances, straw wattles on earthen embankments, sediment filters on existing inlets, or the equivalent. Therefore, construction impacts associated with soil erosion will be less than significant and no mitigation is required.

Operation

Less Than Significant Impact. Once completed, the Project site will include a three-story structure and paved surfaces, all of which will stabilize and help retain on-site soils. The Project site will also contain pervious landscape areas, which will also help retain on-site soils while preventing wind and water erosion from occurring. Therefore, long-term operational impacts associated with soil erosion will be less than significant and no mitigation is required.

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

Less Than Significant Impact. As previously discussed, the Project site is not susceptible to landslide or liquefaction. Additionally, the proposed Project will be designed in accordance with all applicable provisions established in the current California Building Code, which sets forth specific engineering requirements to ensure structural integrity, regardless of the specific characteristics of the underlying soils. Compliance with these requirements will reduce the potential risk to both people

and structures with respect to a variety of geotechnical constraints. Therefore, impacts associated with unstable geologic units/soils will be less than significant and no mitigation is required.

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

Less Than Significant Impact. According to the U.S. Department of Agriculture Web Soil Survey, the soil beneath the Project site consists of Cieneba rocky sandy loam, 8% to 15% slopes, eroded; Bonsall fine sandy loam, 2% to 8% percent slopes, eroded; and Delhi fine sand, 2% to 15% percent slopes, wind eroded. These types of soil have a medium to very low runoff class, and well-drained to somewhat excessive drainage class (USDA 2022). Based on the type of soils at the Project site, expansive soils are not anticipated at the Project site. Nonetheless, construction of the proposed Project will include removal of undocumented artificial fill and ensuring proper fill placement and compaction. Therefore, the proposed Project will have a less than significant impact and no mitigation is required.

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 will connect directly to the municipal sewer system and will not require septic tanks or any other alternative wastewater disposal system. Therefore, there is no impact associated with the adequacy of soils and septic systems and no mitigation is required.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact with Mitigation Incorporated. The proposed Project is located within the northernmost Peninsular Ranges geomorphic province (Norris and Webb 1990; CGS 2002). This geomorphic province is characterized by northwest-trending mountain ranges and valleys that extend over 900 miles from the tip of the Baja Peninsula to the Transverse Ranges (i.e., the San Bernardino and San Gabriel Mountains in southern California). Regionally, the Peninsular Ranges are bounded to the east by the Colorado Desert and the west by the continental shelf and offshore islands (Santa Catalina, Santa Barbara, San Nicholas, and San Clemente) (Norris and Webb 1990; CGS 2002). Regional mountain ranges in the Peninsular Ranges geomorphic province include the Santa Ana, San Jacinto, and Santa Rosa Mountains. Geologically, these mountains are dominated by Mesozoic, plutonic igneous and metamorphic rocks that are part of the Peninsular Ranges batholith (Southern California batholith) (Jahns 1954).

More specifically, the proposed Project is located within the Santa Ana Structural Block, along the Chino Fault Zone (Morton et al. 2002). The Chino Fault Zone is part of the greater San Andreas Fault System, which is characterized by numerous strike-slip faults. The Chino Fault Zone is a northern extension of the Elsinore Fault Zone. According to surficial geological mapping by Morton et al. (2002) at a scale of 1:24,000, the southern portion of the proposed Project site is underlain by early Pleistocene (~2.58 million years ago [mya]– 781,000 years ago) to possibly late Pliocene (~3.6 mya–2.58 mya) sedimentary rocks, and the northern portion of the proposed Project site is underlain by Cretaceous (~145 mya–66 mya) Micropegmatitic granite of Gavilan Ring Complex, consisting of pink-tinted leucocratic granite (map unit Kmp).

Several classification schemes exist to determine the paleontological sensitivity of geological units. According to the Society of Vertebrate Paleontology's guidelines for assessment of paleontological resources (SVP 2010), plutonic igneous rocks have no paleontological potential to yield significant paleontological resources, while Pleistocene alluvium has high paleontological sensitivity. The

surrounding area is sensitive for supporting paleontological resources where Pleistocene alluvium crops out on the surface. Thus, during construction, the proposed Project will have the potential to destroy a unique paleontological resource or site. However, according to the County of Riverside General Plan, the proposed Project site is underlain by geological units of low paleontological potential (County of Riverside 2015). Therefore, **Mitigation Measure GEO-1** is provided and will be implemented to ensure potential impacts during construction activities on paleontological resources or unique geologic features are reduced to a less-than-significant level.

Mitigation Measures

Mitigation Measure GEO-1:

Inadvertent Discovery of Paleontological Resources. Should paleontological resources be encountered during Project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. For purposes of this measure, a "qualified paleontologist" shall be an individual with the following qualifications: (1) a graduate degree in paleontology or geology and/or a person with a demonstrated publication record in peer-reviewed paleontological journals; (2) at least two years of professional experience related to paleontology; (3) proficiency in recognizing fossils in the field and determining their significance; (4) expertise in local geology, stratigraphy, and biostratigraphy; and (5) experience collecting vertebrate fossils in the field. If the paleontological resources are found to be significant and Project activities cannot avoid them, measures shall be implemented to ensure that the Project does not cause a substantial adverse change in the significance of the paleontological resource. Measures may include monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository. If paleontological materials are recovered, this report also shall be submitted to a paleontological repository such as the University of California Museum of Paleontology, along with significant paleontological materials.

3.8 Greenhouse Gas Emissions

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS - Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact. The SCAQMD prepared Interim CEQA Greenhouse Gas (GHG) Significance Threshold for Stationary Sources, Rules and Plans, which includes the recommendation to amortize construction emissions over the lifetime of a project (assumed to be 30-years). Amortization is the process of spreading out the emissions produced during construction over the life of the project. These amortized construction emissions are then added to the operational emissions to estimate both daily and yearly emissions, allowing for comparison against the threshold of significance.

The County of Riverside's Climate Action Plan Update (CAP) states that project's that do not exceed the CAP's screening threshold of 3,000 $MTCO_2e$ per year are considered to have less than significant greenhouse gas emissions and are in compliance with the County's CAP Update from 2019.

The proposed Project will not exceed the annual greenhouse gas emissions threshold. Therefore, the Project will have a less than significant impact and no mitigation is required (see Table 3.8-1).

Table 3.8-1. Comparison of Annual Estimated and Threshold Greenhouse Gas Emissions

SCAQMD Threshold ($MTCO_2e$)	Construction Emissions ($MTCO_2e$)	Opening Year Operational Emissions ($MTCO_2e$)
3,000	15.7	424.15

Source: Air Quality Impact Study (Appendix A)

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. There are two plans adopted for the purpose of reducing the emissions of greenhouse gases that are applicable for the proposed Project: the Western Riverside Council of Governments (WRCOG) Subregional Climate Action Plan and California Air Resources Board (CARB) Scoping Plan.

The WRCOG Subregional Climate Action Plan established a community-wide emissions reduction target of 15% below 2010, following guidance from CARB and the Governor's Office of Planning and

Research. The proposed Project will implement all required measures and is consistent with all applicable strategies, therefore it is in compliance (see Table 14 in Appendix A for more details).

The CARB Scoping Plan contains measures to reduce overall greenhouse gas emissions in California. The proposed Project is consistent with all applicable strategies, therefore it is in compliance (see Table 15 in Appendix A for more details).

The proposed Project does not conflict with either applicable plan for reducing the emissions of greenhouse gases. Therefore, the Project will have a less than significant impact and no mitigation is required.

3.9 Hazards and Hazardous Materials

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS - Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☒	☐	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☒	☐	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☒	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☒	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

To determine the historical use of the Project site and surrounding area, a Phase I Environmental Site Assessment (ESA) was completed in October 2025 by Terracon Consultants, Inc. (Appendix F). This ESA was conducted in accordance with the procedures of ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

Based on a review of historical information, the general site area consisted of undeveloped and/or vacant land from as early as 1902 through the early 1930s when the various site tracts were partially developed

with a golf course. By the late 1940s, the golf course was no longer depicted and vacant graded or undeveloped land remained with apparent landfill operations on the parent tract, located approximately 250 feet southeast of Tract 3 and 650 feet east of Tract 2. By the late 1960s Tract 1 of the site was developed with bunkers associated with the U.S. Naval Reservation. By the early 1970s, the bunkers were removed, vacant graded land remains on Tract 1, and apparent landfill operations ceased. By the early 1990s, Tract 2 was developed with existing student services/campus police building and asphalt paved parking lot and the remaining tracts of the site remained vacant land. By the early 2000s, the southern portion of Tract 2 was developed with the existing asphalt-paved parking lot.

The properties surrounding the site consisted of undeveloped, vacant, or agricultural land from as early as 1902 through the late 1940s when landfill operations were apparent approximately 250 feet southeast of Tract 3 and 650 feet east of Tract 2 of the site. By the mid-1980s the landfill operations ceased and the land was mostly graded with one building associated with the landfill remaining. By the early 2000s, the building was removed, and the land was graded in preparation of building the existing John F. Kennedy Middle High School building. By the late 1950s, the northern adjoining property was developed with the US Naval Reservation bunkers. By the early 1990s, construction of Norco College started and some of the existing Norco College buildings were developed. By the early 2000s, additional buildings were developed adjoining to the north of Tract 2 of the site to resemble existing layout. By the late 1960s, the southern adjoining property to Tract 2 was developed with the existing residences. By the early 1990s, construction staging areas for the development of Norco College was observed and a portion of the existing asphalt-paved parking lot was developed. By the early 2000s, the remainder of the existing asphalt-paved parking lots were developed to match the current layout. By the early 2000s the western adjoining property to Tract 1 of the site was developed with the existing soccer field and asphalt-paved parking lot. By the early 2010s, the existing library building was developed to the adjoining west of Tract 2 of the site.

Multiple site investigations have been conducted throughout the parent tract since ownership was transferred to RCCD in 1984. In 1989, Kleinfelder conducted an initial assessment of the parent parcel and soil samples were collected from the ordnance burn pit area, ash pile, dry lake, and bottom of the landfill area. Lead was detected in a soil sampled collected from a landfill trench. In 1989, Flemming commenced grading operations associated with the Third Street expansion and found five trenches which contained medical waste, documents, construction debris, and X-ray negatives from the former naval hospital. Further excavation work for Third Street was halted and in January 1990, Kleinfelder conducted an additional assessment of the area. Approximately 250 tons of waste materials (similar to those were initially encountered in the initial assessment) were excavated from the landfill trench. Fleming continued excavation for the Third Street expansion and was instructed to stockpile any landfill debris if encountered. The 250 tons of waste materials were removed and placed over the existing landfill which was reportedly covered with approximately 20 feet of clean fill, placed over the remaining landfill waste and paved over with asphalt for use as a parking lot. In June 1990, Kleinfelder installed three groundwater monitoring wells to monitor for potential contamination due to the buried landfill refuse. Monitoring wells MW-2 and MW-3 were located along Third Street, approximately 500 feet south of Tract 3 of the site, and MW-1 was located approximately 480 feet south of Tract 3 of the site. Depth to groundwater was measured at 76 feet below ground surface (bgs) in the monitoring wells installed. Kleinfelder reported that groundwater analytical results reported traces of VOCs (benzene, toluene, ethylbenzene, and xylenes) below drinking water standards but did not report concentrations of heavy metals.

In 2004, Mission Geoscience, Inc. completed a Supplemental Site Investigation Completion Report for Kennedy Middle College High School as a follow-up study for the Mission Geoscience, Inc. Preliminary

Endangerment Assessment (PEA), dated December 15, 2003. The 2003 PEA identified potential risks and hazards due to the presence of elevated concentrations of dioxins and furans and metals reported in two samples of discrete layers encountered in fill deposits within the location of the Kennedy Middle College High School. Mission Geoscience, Inc. reported elevated concentrations of arsenic, lead, Aroclor 1254, and dioxins and furans in soil samples. As a follow up to the 2004 Supplemental Site Investigation, Mission Geoscience, Inc. completed a Removal Action Completion Report for the Kennedy Middle College High School Site in 2005. Approximately 4,107.04 tons of impacted soils were excavated and disposed of from March 2 through March 10, 2005. Additionally, approximately 3,567.22 tons of non-hazardous overlying fill material was removed. Confirmation soil sampling of the excavation bottom and sidewalls was conducted. Confirmation soil samples collected was analyzed for arsenic, cadmium, lead, dioxins and furans, and Aroclor 1254. The confirmation soil samples confirmed that the facility has been adequately remediated. Mission Geoscience, Inc. recommended a "no further action" for the facility and did not recommend any additional excavation.

In 2011 the site/parent tract entered into a Voluntary Cleanup Agreement with the Department of Toxic Substances Control (DTSC) and additional groundwater monitoring in the area of the remediated landfill was conducted. In 2013, it was determined that the groundwater monitoring network was not suitable for detecting a release of hazardous substance from the landfill and the groundwater monitoring was discontinued.

A Covenant to Restrict Use of Property Environmental Restriction (Land Use Covenant (LUC)), dated March 28, 2016, was issued for the 142.63 acres of the Norco College Campus. The LUC identified the landfill area to be located within the parking lot located partially on the southeastern portion of Tract 2, and south/southeast of Tract 3. According to the LUC, the campus has not been fully characterized to determine if other hazardous substances above levels acceptable for unrestricted land use remain in soils, soil gases, or groundwater. The following restrictions were put in place for proposed developments: prohibited use as a residence, hospital for humans, public or private school for persons under 18 years of age, children day care. Additionally, construction of a new structure is prohibited without the DTSC written approval of the vapor intrusion evaluation as described in the LUC. Prior to the construction of any new enclosed structure, RCCD shall determine if vapor mitigation is necessary and identify any related post-construction operation and maintenance requirements. RCCD must obtain DTSC written approval that any necessary vapor mitigation system has been properly constructed and is operating successfully prior to occupancy of the new structure.

Based on the reported impacts to soil and soil vapor, and groundwater (in monitoring wells near Third Street) at the parent parcel above applicable screening levels, and documented LUC for RCCD's Norco Campus, the former landfill, burn pit, and incineration activities within the parent tract represents a Controlled Recognized Environmental Condition (CREC) to the site. Terracon understands that RCCD is planning to establish a Voluntary Cleanup Agreement with the DTSC to coordinate mitigation measures required prior to the proposed grading/construction activities for the LLRC and Student Services building.

As part of the ongoing coordination with DTSC, conclusions from the Phase I included the following:

- **Voluntary Cleanup Agreement (VCA):** Establish a new Voluntary Cleanup Agreement with DTSC, for the proposed LLRC and Student Services buildings in compliance with the LUC. The VCA should address the following actions:
    - **Vapor Intrusion Mitigation:** Proceed with incorporating a vapor barrier into the design of the new building. The barrier system will be modeled after the one recently approved for the Center for Human Performance + Kinesiology project at the Norco campus, or

alternatively, a spray-on rubber coating may be used, depending on the results of the engineering evaluation. The proposed vapor intrusion mitigation design plans will be submitted to DTSC for review and approval, prior to construction.

- **Soil Management Plan (SMP):** Prepare and submit a Soil Management Plan for DTSC review. The SMP will address proper handling of petroleum hydrocarbon-impacted soils or other contaminants during construction activities.

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

Less Than Significant Impact with Mitigation Incorporated.

Construction

A variety of hazardous substances and wastes will be transported to, stored, used, and generated on the Project site during construction. These will include fuels for machinery and vehicles, new and used motor oils, cleaning solvents, paints, and storage containers and applicators containing such materials. Accidental spills, leaks, fires, explosions, or pressure releases involving hazardous materials represent a potential threat to human health and the environment if not properly treated. However, these materials will be transported, used, and disposed of in accordance with federal, state, and local laws regulating the management and use of hazardous materials. For example, hazardous materials will not be disposed of or released onto the ground or into the underlying groundwater or any surface water during construction or operation of the Project, and completely enclosed containment will be required for all refuse generated on the Project site.

Additionally, construction waste, including trash, litter, garbage, solid waste, petroleum products, and any other potentially hazardous materials, will be removed to a waste facility permitted to treat, store, or dispose of such materials. Use of these materials during construction for their intended purpose will not pose a significant risk to the public or the environment.

The transport and use of hazardous materials will be required to comply with the guidelines set forth by each product's manufacturer, as well as in accordance with all applicable federal, state, and local regulations. The U.S. Department of Transportation, the California Department of Health Services, Caltrans, and the California Highway Patrol all have interrelated programs designed to prevent disasters during the transportation of hazardous materials. Additionally, the EPA and Occupational Safety and Health Administration have interrelated programs designed to prevent the misuse of hazardous materials in the workplace. Based on this information, and available and applicable rules, regulations, and guidance, construction impacts will not result in hazards due to routine transport of hazardous materials. Therefore, impacts from construction will be less than significant and no mitigation is required.

Operations

Potentially hazardous materials associated with Project operations will include those materials used during typical cleaning and maintenance activities. Although these potential hazardous materials will vary, they will generally include household cleaning products, paints, fertilizers, and herbicides and pesticides. Many of these materials are considered household hazardous wastes, common wastes, and/or universal wastes by the EPA, which considers these types of wastes to be common to businesses and households and to pose a lower risk to people and the environment than other hazardous wastes when properly handled, transported, used, and disposed of. Federal, state, and local regulations typically allow these types of wastes to be handled and disposed of with less stringent standards than other hazardous wastes, and many of these wastes do not have to be

managed as hazardous waste. Additionally, any potentially hazardous material handled on the Project site will be limited in both quantity and concentrations, consistent with other similar institutional uses located in the City, and any handling, transport, use, and disposal will comply with applicable federal, state, and local agencies and regulations. As mandated by the Occupational Safety and Health Administration, all hazardous materials stored on the Project site will be accompanied by a Safety Data Sheet, which will inform employees and first responders as to the necessary remediation procedures in the case of accidental release.

As described above in the summary of the Phase I, DTSC has a LUC for the two parcels that encompass Norco College. This LUC includes development restrictions but will allow for community college development and use provided there is coordination between RCCD and DTSC. This coordination is ongoing but based on the conclusions of the Phase I assessment. **Mitigation Measure HAZ-1** is proposed for implementation for the Project site to ensure there is no significant hazard to the public or the environment. With the implementation of **Mitigation Measure HAZ-1**, impacts will be less than significant.

The Project will also incorporate any changes, comments, or modifications as required by DTSC during their review of the VCA.

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 Impact with Mitigation Incorporated. As discussed previously construction activities on the Project site will involve the transport of gasoline and other materials to the site during construction. Relatively small amounts of commonly used hazardous substances, such as gasoline, diesel fuel, lubricating oil, grease, and solvents, will be used on site for construction and maintenance. The materials alone and use of these materials for their intended purpose will not pose a significant risk to the public or environment; however, accidental spills of hazardous materials during construction could potentially result in soil contamination or water quality impacts. To minimize or eliminate fuel spillage, construction vehicles will be adequately maintained and equipped. All equipment maintenance work, including refueling, will occur off site. Potentially hazardous construction waste, including trash, litter, garbage, other solid wastes, petroleum products, and other potentially hazardous materials, will be removed to a hazardous waste facility permitted to treat, store, or dispose of such materials.

The Phase I Environmental Site Assessment (Appendix F) was prepared and described the previous and on-going coordination with DTSC. The approval from DTSC is anticipated to incorporate the mitigation measures described in **Mitigation Measure HAZ-1.**

With implementation of federal, state, and local regulations, as well as **Mitigation Measure HAZ-1**, impacts associated with foreseeable upset and accident conditions will be reduced to less than significant with mitigation incorporated.

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 Impact with Mitigation Incorporated. John F. Kennedy Middle College High School, part of the Corona-Norco Unified School District and an "alternative school of choice" providing both high school and college level courses, is located approximately 1,100 feet east of the Project site. As discussed previously, limited amounts of hazardous materials will be used during construction and operation of the Project, including the use of standard construction materials (e.g., lubricants, solvents and paints), cleaning and other maintenance products (used in the maintenance

of buildings, pumps, pipes and equipment), and the limited application of pesticides associated with landscaping. These materials will be transported and handled in accordance with all federal, state, and local laws regulating the management and use of hazardous materials. None of these activities will result in the routine transport of, emission, or disposal of hazardous materials, and no acutely hazardous materials will be used on site during construction or operation of the proposed Project. Construction activity will be performed in compliance with City and County of Riverside regulations, and compliance with these regulations will ensure that the general public will not be exposed to any unusual or excessive risks related to hazardous materials during construction activities on the Project site.

The Phase I Environmental Site Assessment (Appendix F) was prepared and described the previous and on-going coordination with DTSC. The approval from DTSC is anticipated to incorporate the mitigation measures described in **Mitigation Measure HAZ-1**. With the implementation of **Mitigation Measure HAZ-1**, impacts will be less than significant.

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

Less Than Significant Impact with Mitigation Incorporated. The Phase I Environmental Site Assessment (Appendix F) was prepared and described the previous and on-going coordination with DTSC. The approval from DTSC is anticipated to incorporate the mitigation measures described in **Mitigation Measure HAZ-1**. With the implementation of **Mitigation Measure HAZ-1**, impacts will be less than significant.

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

Less Than Significant Impact. In 2008, RCCD adopted the RCCD Emergency Operations Plan, which addresses RCCD's planned response to emergencies associated with natural disasters, technological incidents, human-made disasters, and national security emergencies (District 2008). The Plan is intended to address extraordinary emergency situations; day-to-day emergencies and emergency access routes are not established. Given that Third Street is the only roadway that provides ingress and egress for the Norco College campus, Third Street is a de facto emergency access route for Norco College.

Construction of the Project is not expected to cause impacts to Third Street, as the Project is set at the northern end of West End Drive. Further, the Project will not interfere with RCCD's ability to implement its Emergency Operations Plan.

Once constructed, operation of the Project will not result in any actions that will significantly impair or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts associated with adopted emergency response plans or emergency evacuation plans are less than significant and no mitigation is required.

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

Less Than Significant Impact. In 2008, RCCD adopted the RCCD Emergency Operations Plan, which addresses RCCD's planned response to emergencies associated with natural disasters, technological incidents, human-made disasters, and national security emergencies (District 2008). The Plan is intended to address extraordinary emergency situations; day-to-day

emergencies and emergency access routes are not established. Given that Third Street is the only roadway that provides ingress and egress for the Norco College campus, Third Street is a de facto emergency access route for Norco College.

Construction of the Project is not expected to cause impacts to Third Street, as the Project is set at the northern end of West End Drive. Further, the Project will not interfere with RCCD's ability to implement its Emergency Operations Plan.

Once constructed, operation of the Project will not result in any actions that will significantly impair or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts associated with adopted emergency response plans or emergency evacuation plans are less than significant and no mitigation is required.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less Than Significant Impact. According to maps prepared by California Office of the State Fire Marshal (CAL FIRE), much of the Project site is located within two fire severity zones. The main campus is mapped as a Very High Severity Fire Hazard Zone, and the parking lots are identified as Moderate Severity Fire Hazard Zone (CAL FIRE 2025). While there is a substantial amount of open space around Lake Norconian to the north of the Norco College campus, this area does not create a new risk of wildland fire risk. Impacts will be less than significant and no mitigation is required.

Mitigation Measures

Mitigation Measure HAZ-1:

Voluntary Cleanup Agreement (VCA). Establish a new Voluntary Cleanup Agreement with DTSC, for the proposed LLRC and Student Services building in compliance with the LUC. The VCA should address the following actions:

- Vapor Intrusion Mitigation: Proceed with incorporating a vapor barrier into the design of the new building. The barrier system will be modeled after the one recently approved for the Center for Human Performance + Kinesiology project at the Norco campus, or alternatively, a spray-on rubber coating may be used, depending on the results of the engineering evaluation. The proposed vapor intrusion mitigation design plans to be submitted to DTSC for review and approval, prior to construction.

- Soil Management Plan (SMP): Prepare and submit a Soil Management Plan for DTSC review. The SMP will address proper handling of petroleum hydrocarbon-impacted soils or other contaminants during construction activities.

3.10 Hydrology and Water Quality

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY - Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: i) result in a substantial erosion or siltation on- or off-site; ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less Than Significant Impact. Construction of the Project will include earthwork activities that could potentially result in erosion and sedimentation, which could subsequently degrade downstream receiving waters and violate water quality standards. Stormwater runoff during the construction

phase may contain silt and debris, resulting in a short-term increase in the sediment load of the municipal storm drain system. Substances such as oils, fuels, paints, and solvents may be inadvertently spilled on the Project site and subsequently conveyed via stormwater to nearby drainages, watersheds, and groundwater. Because the Project size is approximately 1 acre of ground disturbance, the Project will be subject to the National Pollutant Discharge Elimination System stormwater program, which includes obtaining coverage under the State Water Resources Control Board's Construction General Permit. Construction activities subject to the Construction General Permit include clearing, grading, and disturbances to the ground such as stockpiling or excavation. The Construction General Permit requires development and implementation of a Stormwater Pollution Prevention Plan (SWPPP). Among the required items that must be included within a SWPPP are project design features, commonly known as BMPs, intended to protect against substantial soil erosion as a result of water and wind erosion. The implementation of a Construction General Permit, including preparation of a SWPPP and implementation of BMPs, will reduce stormwater runoff during Project construction impacts to acceptable levels. It follows that because Project construction will not violate any water quality standards or waste discharge requirements, the Project will not otherwise substantially degrade surface or groundwater quality. Therefore, short-term construction impacts associated with water quality will be less than significant and no mitigation is required.

The Project will be subject to the Municipal Separate Storm Sewer System (MS4) Permit, issued by the Santa Ana Regional Water Quality Control Board (RWQCB). The MS4 Permit requires implementation of Low Impact Development BMPs to prevent pollutants from being discharged off site by mimicking pre-development site hydrology and feasible source control. The Low Impact Development Ordinance is designed to reduce runoff from impervious surfaces, including new development, through landscape design that promotes water retention, permeable surface design, natural drainage systems, and on-site retention where feasible (RWQCB 2010). These project specific designs will reduce impacts to water quality associated with redevelopment.

Additionally, a project-specific water quality management plan (WQMP) will be prepared for operation of the proposed Project. The Water Quality Management Plan (WQMP) will ensure appropriate BMPs are implemented for post-construction and operation of the Project. The combination of Low Impact Development BMPs, source control BMPs, and other treatment control BMPs addressed within the WQMP will address identified pollutants and hydrologic concerns from new development that could result in impacts to water quality standards (RWQCB 2010).

Further, the Project will be required to comply with sections of the City Municipal Code that set forth regulations to protect and enhance the quality of watercourses, water bodies, and wetlands within the City in a manner consistent with the federal Clean Water Act, the California Porter-Cologne Water Quality Control Act, and the municipal National Pollutant Discharge Elimination System permit. Therefore, long-term impacts associated with water quality, including surface water quality and groundwater quality, will be less than significant and no mitigation is required.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less Than Significant Impact. The Project site is undeveloped and consists of pervious surfaces. Thus, under the existing conditions, the Project site could be considered a location for groundwater recharge.

Although the Project will add impervious surfaces to the Project site, once operational, the Project site will contain landscaped areas and other pervious surfaces that will allow water to percolate into

the subsurface soils. Additionally, the Project will incorporate structural and treatment control BMPs to ensure that the Project will not adversely affect water quality.

During construction, the proposed Project will use only limited amounts of water resources for construction activities and landscaping activities. Minimal water use will be required for any of the additional office space or classroom facilities. As such, impacts associated with groundwater recharge will be less than significant and no mitigation is required.

The Project will not involve permanent pumping of groundwater; therefore, the Project will not substantially deplete groundwater supplies. Due to the incorporation of structural and treatment control BMPs, the proposed Project will not substantially interfere with groundwater recharge. Impacts will be less than significant and no mitigation is required.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) result in a substantial erosion or siltation on- or off-site;

Less Than Significant Impact. The proposed Project is replacing a building with a slightly larger building. Currently, there are landscaped areas and concrete walkways surrounding the existing building. The impervious area is not anticipated to increase with the proposed Project therefore there will not be an increase in erosion or siltation on- or off-site. Therefore, there will be a less than significant impact for this issue and no mitigation is required.

ii) substantially increase the rate or amount of surface runoff in a manner which will result in flooding on- or offsite;

Less Than Significant Impact. As discussed previously, the existing site is developed with a building and surrounding walkways and landscaped areas. Thus, implementation of the Project will not increase the impervious areas on site or significantly alter the existing drainage patterns. The Project will be required to conform to applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements will ensure the new drainage system is designed with adequate capacity to capture stormwater flow to prevent erosion or on-site or off-site siltation impacts.

As such, altering the on-site drainage pattern will be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater; therefore, impacts associated with altering the existing drainage pattern of the Project site will be less than significant and no mitigation is required.

iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

Less Than Significant Impact. Under the existing condition, the Project site is developed with an existing building and impervious walkways with nearby landscaping. The Project site does not currently have infiltration basins or capture systems in place to control stormwater runoff. The proposed Project will have generally the same area of impervious surfaces as the existing Project site, however, the proposed drainage system will be designed to conform to applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements will ensure the new drainage system is designed to have adequate capacity to capture stormwater flow to prevent the

conveyance of sediment, debris, and other constituents potentially contained in on-site stormwater from leaving the Project site and impacting off-site and downstream receiving waters; therefore, impacts associated with water quality standards and runoff waters will be less than significant and no mitigation is required.

iv) impede or redirect flood flows?

No Impact. According to the Federal Emergency Management Agency flood maps, the Project site is not located within a special flood hazard area that could be inundated by a 100-year flood (Firmette #060652024 (09/12/2024)). While Lake Norconian is located north of the Project site, it is not within an inundation area. Therefore, no impacts associated with flooding will occur. Further, the construction and operation of the Project will have no effect on flood flows. Therefore, there is no impact and no mitigation is required.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less Than Significant Impact. As stated above regarding the FEMA flood maps, the Project site is not located within a special flood hazard area that could be inundated by a 100-year flood (FEMA 2024). While Lake Norconian is located north of the Project site, it is not within an inundation area.

Additionally, the Project site is located inland and not located sufficiently near Lake Norconian or the ocean to be impacted by a seiche or tsunami. The topography of the site and Project area is relatively flat and will not be subject to significant impacts from mudflow. Impacts will be less than significant, and no mitigation is required.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less Than Significant Impact. The proposed Project will comply with regional and local regulations requiring preparation of a SWPPP and will not obstruct existing water quality control plans or groundwater sustainable management plans. The Project will not add impervious surfaces to the Project site, and once operational, the Project site will contain landscaped areas and other pervious surfaces that will allow water to percolate into the subsurface soils. Additionally, the Project will incorporate structural and treatment control BMPs to ensure that the Project will not adversely affect water quality. Therefore, impacts related to conflicting with or obstructing a water quality control plan or sustainable groundwater management plan will be less than significant and no mitigation is required.

3.11 Land Use and Planning

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING - Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

a) Physically divide an established community?

No Impact. The proposed Project will include the construction of the proposed LLRC and Student Services building to replace the existing Student Services building and College Resource Center to fully meet the needs of Norco College's existing faculty and students. The Project site is located within the boundaries of the existing Norco College campus and is compatible with adjacent land uses and facilities for college uses. As such, implementation of the proposed Project will not divide an established community and is not expected to result in additional physical barriers between nearby land uses. There is no impact and no mitigation is required.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. The Project site has a General Plan land use designation and zoning designation of Preservation and Development (City of Norco 2012a, 2012b). The proposed Project will not conflict with any of the proposed goals within the City's General Plan, including the loss of protected species, open space, community design cohesion, or the development and preservation of Norco's unique history and animal-keeping lifestyle. As such, the proposed Project is consistent with the City's General Plan.

Overall, the proposed Project does not violate any policies within the City's General Plan, Municipal Code, or any applicable specific plans in the area. Therefore, the proposed Project will not conflict with any applicable land use plan, policy, or regulation and will not represent a significant impact to the physical environment. There is no impact and no mitigation is required.

3.12 Mineral Resources

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES - Would the project:				
a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

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

No Impact. The State Mining and Reclamation Act (SMARA) of 1975 (California Public Resources Code Section 2710 et seq.) requires that the California State Geologist implement a mineral land classification system to identify and protect mineral resources of regional or statewide significance in areas where urban expansion or other irreversible land uses may occur, thereby potentially restricting or preventing future mineral extraction on such lands.

As mandated by SMARA, aggregate mineral resources within the state are classified by the State Mining and Geology Board through application of the Mineral Resource Zone (MRZ) system. The MRZ system is used to map mineral commodities within identified jurisdictional boundaries, with priority given to areas where future mineral resource extraction may be prevented or restricted by land use compatibility issues, or where mineral resources may be mined during the 50-year period following their classification. The MRZ system classifies lands that contain mineral deposits and identifies the presence or absence of substantial sand and gravel deposits and crushed rock source areas (i.e., commodities used as, or in the production of, construction materials). The State Geologist classifies MRZs within a region based on the following factors (DOC 2000):

- MRZ-1: Areas where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.
- MRZ-2: Areas where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.
- MRZ-2a: Areas underlain by mineral deposits where geologic data show that significant measured or indicated resources are present.
- MRZ-2b: Areas underlain by mineral deposits where geologic information indicates that significant inferred resources are present.
- MRZ-3: Areas containing mineral deposits for which the significance cannot be determined from available data.

- MRZ-3a: Areas containing known mineral deposits that may qualify as mineral resource.
- MRZ-3b: Areas containing inferred mineral deposits that may qualify as mineral resources.
- MRZ-4: Areas where available information is inadequate for assignment of any other MRZ category.

The City's General Plan does not identify any mineral recovery sites within the vicinity of Norco College. General Plan Section 3.3.3 identifies only two MRZ designations within the City limits: MRZ-3a (areas containing known mineral deposits that may qualify as mineral resources) and MRZ-2b (areas underlain by mineral deposits where geologic information indicates that significant inferred resources are present) (City of Norco 2014a). The MRZ-2b area is located along the edge of the Temescal Wash near the City of Corona and will not be impacted by the proposed Project. Further, the General Plan states that the only known resource that may be valuable locally will be crushed rock for construction-related material and is primarily associated with the Norco Hills and the hills and slopes around Lake Norconian, north and east of the Norco College. However, the General Plan further states that the hillsides are designated for residential purposes, and those hills are more valuable to the City as an open space resource than as a potential mineral resource. Section 3.3.3 concludes that no goals or policies are included in the General Plan to either encourage or preserve opportunities related to mineral extraction.

The proposed Project site is not currently being used for mineral resource extraction, has no history of such use, is currently part of the existing College campus, and is not identified in either the City's General Plan or Zoning Ordinance for such uses. No mining operations will be impacted by the Project. Given these factors, the proposed Project will not result in the loss of availability of a known mineral resource that will be of future value to the City of Norco, the County of Riverside, or the residents of the state. There is no impact and no mitigation is required.

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 previously discussed, the proposed Project will not result in the loss of availability of a locally important mineral resource recovery site delineated in a local general plan, specific plan, or other land use plan. There is no impact and no mitigation is required.

3.13 Noise

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE - Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive ground borne vibration or ground borne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Noise is defined as loud, unpleasant, unexpected, or unwanted sound. Sound may be described in terms of level or amplitude (measured in decibels [dB]), frequency or pitch (measured in hertz [Hz] or cycles per second), and duration (measured in seconds or minutes). The standard unit of measurement of the amplitude of sound is the decibel, a logarithmic scale of sound pressure level. The A-weighted scale, measured in A-decibels (dBA), adjusts measurements to reflect the frequencies most perceptible to the healthy human ear. The Equivalent Sound Level (Leq) is the average noise level over a given sample period, calculated based on sound energy fluctuations. The Community Noise Equivalent Level (CNEL) is the weighted average sound intensity over a 24-hour period, adjusting for increased sensitivity to noise during specific times. It adds five decibels to evening sounds (7pm-10pm) and ten decibels to nighttime levels (before 7am and after 10pm). Similarly, the Day-Night Average Sound Level accounts for heightened sensitivity to nighttime noise by adding 10 decibels to sound levels measured at night (10pm–7am). Table 3.13-1 provides examples of A-weighted noise levels from common sounds. In general, human sound perception is such that a change in sound level of 3 dB is barely noticeable; a change of 5 dB is clearly noticeable; and a change of 10 dB is perceived as doubling or halving of the sound level.

Table 3.13-1. Typical Sound Levels in the Environment and Industry

Common Outdoor Activity	Noise Level (dBA)	Common Indoor Activity
	110	Rock band
Jet flying at 300 meters (1,000 feet) overhead		
	100	
Gas lawnmower at 1 meter (3 feet)		
	90	
Diesel truck at 15 meters (50 feet), at 80 kilometers per hour (50 mph)		Food blender at 1 meter (3 feet)
	80	Garbage disposal at 1 meter (3 feet)
Noisy urban area, daytime		
Gas lawnmower at 30 meters (100 feet)	**70**	Vacuum cleaner at 3 meters (10 feet)
Commercial area		Normal speech at 1 meter (3 feet)
Heavy traffic at 90 meters (300 feet)	**60**	
		Large business office
Quiet urban daytime	**50**	Dishwasher in next room
Quiet urban nighttime	**40**	Theater, large conference room (background)
Quiet suburban nighttime		
	30	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	20	
		Broadcast/recording studio
	10	
	0	

Source: Caltrans 2013a

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact. A Noise and Vibration Impact Study, dated November 19, 2025, was prepared for the proposed Project by MD Acoustics, LLC, attached as Appendix E. The Noise and Vibration Impact Study evaluates the potential transportation, stationary, and construction noise impacts for the Project site and recommends any necessary mitigation measures to minimize potential noise impacts.

Transportation Noise Impacts

A Trip Generation Assessment, dated October 27, 2025, was prepared for the proposed Project by Integrated Engineering Group, attached as Appendix G. According to the assessment, the proposed Project is not expected to generate more than 100 new vehicle trips, qualifying for an exemption from preparing a Transportation Impact Analysis by the City of Norco because there will not be an increase in traffic. Therefore, the impact of transportation noise is considered less than significant.

Stationary Noise Sources

The stationary noise was modeled in SoundPLAN to analyze the noise impact at surrounding receptors to calculate noise level projections (Exhibit E in Appendix E). As a state-funded agency, RCCD is not subject to City noise standards; however, RCCD will make every effort to comply with the Municipal Code regulations even though it is not bound by them. Section 9.07.040 of the City of Norco's Municipal Code states that exterior sound level on any other occupied residential property must not exceed a maximum noise level of 55 dBA between 7:00 a.m. and 10:00 p.m., and 45 dBA between 10:00 p.m. and 7:00 a.m. (see Table 3.13-2).

Table 3.13-2. City Sound Level Standards (dB, Lmax)

Land Use	Land Use Designation Name	Maximum Decibel Level	
		8AM–10PM	10PM–8AM
Community Development	All Residential	55	45
	All Commercial	65	55
Open Space	Conservation	45	45

Source: City of Norco Municipal Code § 9.07.040

The sensitive receptors that may be affected by operational noise include the existing residences to the south and southwest of the Project site. The Total Combined Noise Level, the existing ambient noise levels with the addition of the Project's noise level, did not exceed 55 A-decibels and will comply with the City's municipal code. Therefore, the impact is less than significant, and no mitigation is required.

Construction Noise and Vibration

Construction noise will be considered significant if occurring outside the allowable times specified in the County's Municipal Code (Section 9.07.020). While construction activities will have a temporary or periodic increase in the ambient noise levels, they will adhere to permissible hours and days of the week. Therefore, the impact is less than significant, and no mitigation is required.

b) Generation of excessive ground borne vibration or ground borne noise levels?

Less Than Significant Impact. Ground-borne vibration refers to rapid, fluctuating movements within the ground that have an average motion of zero, meaning that the ground does not permanently shift in one direction. These vibrations are typically only a nuisance to people rather than a structural concern, but damage may occur at extreme levels. While vibrations can be felt outdoors, they are generally more noticeable and bothersome indoors where the shaking of a building may be more notable. Ground-borne noise is a related effect that only occurs indoors resulting from walls and floors vibrating (e.g., rattling of windows or dishes on shelves).

Vibration amplitude is commonly measured in peak particle velocity (PPV), which represents the maximum instantaneous vibration speed, typically measured in inches per second. Outdoor sources of perceptible vibration usually include construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce noticeable vibration or noise. To address potential impacts, the Federal Transit Administration (FTA) provides guidance on vibration thresholds. According to the FTA, fragile buildings can tolerate vibration levels up to 0.2 inches per second without structural damage (see Table 3.13-3). Because vibration is rarely bothersome outdoors, thresholds are assessed at occupied structures, and all vibration impacts are evaluated at the building level.

Table 3.13-4 provides criteria for human perception of vibration.

Table 3.13-3. Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.		
Source: CalTrans 2013b		

Table 3.13-4. Guideline Vibration Annoyance Potential Criteria

Human Response	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Barely perceptible	0.04	0.01
Distinctly perceptible	0.25	0.04
Strongly perceptible	0.9	0.10
Severe	2.0	0.4
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.		
Source: CalTrans 2013b		

Construction vibration will be significant if it exceeded levels that resulted in structural damage to existing buildings. The nearest existing sensitive use buildings are 330 feet southwest of the edge of the Project site's trenching areas. At this distance, a large bulldozer will yield a worst-case 0.005 inches per second PPV, which is below the threshold for older residential structures and will not result in architectural damage and under the level considered barely perceptible to humans (see Appendix E). Construction-related vibration is not expected to approach levels that could cause structural damage; therefore, the impact will be less than significant, and no mitigation is required.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, will the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project site is located over two miles from the nearest airport, the Corona Municipal Airport. According to the Riverside County Mapping Portal, the Project site is located outside of the airport's influence area boundary (Riverside County 2025). No substantial noise exposure from airport sources will occur; therefore, there is no impact and no mitigation is required.

3.14 Population and Housing

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING - Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

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

Less Than Significant Impact. The proposed Project will not directly induce substantial population growth in the area, because no residential units are proposed as part of the Project. However, the proposed Project will require a temporary workforce for building construction. The number of construction workers needed during any given period will largely depend on the specific stage of construction but will likely average a few dozen workers at any given time throughout the workday. These short-term positions are anticipated to be filled primarily by workers who reside in the Project site vicinity; therefore, construction of the proposed Project will not generate a permanent increase in population in the Project area.

Further, the proposed Project will generally connect to existing utilities and infrastructure located adjacent to the Project site. The proposed Project will not construct new or extend existing utilities or infrastructure into areas not currently served by such improvements. Thus, the proposed Project will not indirectly induce population growth Impacts associated with population growth inducement will be less than significant and no mitigation is required.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed Project consists of the construction of the proposed LLRC and Student Services building to replace the existing Student Services building and College Resource Center to fully meet the needs of Norco College's existing faculty and students. The proposed Project will not displace existing housing or people and will not necessitate the construction of replacement housing elsewhere. Therefore, there is no impact and no mitigation is required.

3.15 Public Services

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES - Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

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

Fire protection?

Less Than Significant Impact. The City of Norco has two fire stations within its boundaries: Fire Station No. 21 (Corydon Avenue Fire Station, 3367 Corydon Avenue) and Fire Station No. 22 (Sixth Avenue Fire Station, 3902 Hillside Avenue). The Corydon Avenue Fire Station is within three miles of the proposed Project site and will likely service Norco College as needed. The Corydon Avenue Fire Station houses a 1,500-gallon-per-minute first-line fire engine, a reserve engine, and paramedics, and is staffed 24 hours a day, seven days a week. The City also has mutual aid responses from Corona City Fire Department and CAL FIRE for large vegetation or structure fires.

Although the proposed Project may require fire protection and/or paramedic services in the event of an emergency, the proposed Project is not expected to result in the need for new or physically altered fire facilities or result in the stations' inability to maintain acceptable service ratios, response times, or other performance objectives. Therefore, there is no impact and no mitigation measures are required.

Police protection?

Less Than Significant Impact. While the City is served by the City's Police Department in order to address any issues in and around Norco College, RCCD has its own safety and police department, with sworn officers, reserve officers, community service aides, and clerical staff members (District 2022). The majority of RCCD's safety and police department staff are located at the main college in

Riverside; however, a number of full-time officers are assigned to Norco College, as well as a number of community service officers and part-time officers for shift overlap and special services. The proposed Project is not anticipated to place a new demand on the existing police functions and will only involve the relocation of a use that already occurs within the campus. Therefore, the proposed Project will result in a less than significant impact on police protection services and no mitigation is required.

Schools?

No Impact. As discussed in Population and Housing above, implementation of the proposed Project will not increase the population within the area. The proposed Project will include the construction of the proposed LLRC and Student Services building to support Norco College's existing educational program offerings. Operation of the proposed Project is not expected to result in a substantial increase in students. Therefore, the Project will not generate the need for additional school capacity. There is no impact and no mitigation is required.

Parks?

No Impact. As discussed in Populations and Housing above, implementation of the proposed Project will not increase the population within the area. The proposed Project will include the construction of the proposed LLRC and Student Services building to support Norco College's existing educational program offerings. The proposed Project site is located approximately 0.35 miles south from Lake Norconian and the surrounding hiking trails. However, the proposed Project will be located within the College's campus and will not affect the hiking trails. Therefore, there is no impact and no mitigation is required.

Other public facilities?

No Impact. As discussed previously in Populations and Housing above, implementation of the proposed Project will not increase the population within the area. The proposed Project will include the construction of the proposed LLRC and Student Services building to support Norco College's existing educational program offerings. The proposed Project will not result in adverse impacts related to the provision of other public facilities, including emergency medical services or libraries. There is no impact on other public facilities anticipated and no mitigation is required.

3.16 Recreation

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒	☐

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

No Impact. The proposed Project does not include any residential uses that may increase the utilization of existing neighborhood parks in the vicinity such that substantial physical deterioration of the facility or an increase in park facilities will occur or be accelerated. The proposed Project consists of the construction of a proposed LLRC and Student Services building to support the College's existing educational program offerings. There is no impact related to an increase in use of existing parks and no mitigation is required.

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?

Less Than Significant Impact. Under existing conditions, the Norco College campus includes recreational facilities. The proposed Project consists of the construction of the LLRC and Student Services building to support the College's existing educational program offerings. As discussed throughout this MND, the proposed Project will be located within the College campus and will serve existing and future Norco College students. Therefore, impacts relating to the proposed recreational facilities will be less than significant and no mitigation is required.

3.17 Transportation

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
d) Result in inadequate emergency access?	☐	☐	☒	☐

This section analyzes the potential impacts of the proposed Project based on CEQA Guidelines Section 15064.3(b), which focuses on newly adopted criteria (vehicle miles traveled [VMT]) for determining the significance of transportation impacts. Pursuant to SB 743, the focus of transportation analysis changed from level of service or vehicle delay to VMT. The related updates to the CEQA Guidelines required under SB 743 were approved on December 28, 2018. This methodology was required to be used statewide beginning July 1, 2020.

The proposed Project site is located in the City of Norco, which has adopted guidance on evaluating VMT for transportation impacts under CEQA. Therefore, the City of Norco VMT Resolution No. 2020-62, hereafter referred to as Guidelines, will be used for this assessment.

SCREENING CRITERIA ASSESSMENT

The Guidelines recognize that certain projects based on type, location, size and other contexts could lead to a presumption of less than significance (i.e., the Project's VMT will not cause a transportation impact) and will not need additional VMT analysis. The Guidelines provide the following screening criteria:

- Retail projects up to 50,000 SF in floor area.
- Projects generating fewer than 110 daily trips.
- Projects within a Transit Priority Area (TPA). A TPA is defined as locations within 0.5 mile of a major transit stop or within ½ mile of a high-quality transit corridor with 15-minute or less headways during peak commute hours.
- Affordable housing developments or affordable housing units within mixed-use developments.

- Transportation projects that promote non-auto travel, improve safety, or improve traffic operations at current bottlenecks, such as transit, bicycle and pedestrian facilities, intersection traffic control (e.g., traffic signals or roundabouts), or widening at intersections to provide new turn lanes.

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less Than Significant Impact. Vehicle trips during construction will include passenger trucks for workers traveling to and from the Project work areas, haul trucks (including for import of construction materials, as needed), and other trucks associated with equipment and material deliveries. These deliveries will occur within Norco College and not impact local or regional roadways. Additionally, traffic generated by construction of the proposed Project will be temporary and will not conflict with the City of Norco's General Plan Circulation Element (City of Norco 2000). Impacts occurring as a result of temporary construction will be less than significant. Once the construction of the proposed Project is completed, there is not an anticipated increase in automobile trips to the area because the new building will have similar trips to the existing facilities. Operational impacts will be less than significant and no mitigation is required.

Additionally, because construction will be occurring entirely within the existing Norco College campus, the Project will result in no impacts to the local or regional roadways, bicycles or pedestrian facilities. The proposed Project will result in a less than significant impact and no mitigation is required.

b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?

Less Than Significant Impact. CEQA Guidelines Section §15064.3(b) establishes VMT as the most appropriate measure of transportation impacts, referring to the amount and distance of automobile travel attributed to a project. Under Senate Bill (SB) 743, VMT analysis is the primary method for determining CEQA impacts rather than Level of Service. The City of Norco has adopted guidance on evaluating VMT for transportation impacts under CEQA.

The proposed Project was evaluated against the criteria and thresholds as outlined in the City of Norco Vehicle Miles Traveled (VMT) Resolution No. 2020-62 to determine VMT impacts. According to the City of Norco Vehicle Miles Traveled (VMT) Resolution No. 2020-62, Projects generating fewer than 110 daily trips are presumed to have a less than significant impact (City of Norco 2020).

The proposed Project involves replacing the existing Student Services building and College Resource Center with a new three-story, modern facility designed to fully meet the needs of Norco College's existing faculty and students. Therefore, the Project may be presumed to have a less than significant impact for VMT since it is not expected to generate any new trips and no mitigation is required.

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

No Impact. The proposed Project will replace the existing Student Services building and College Resource Center with a new three-story, modern facility on the existing Norco College campus and use the existing internal roadways for access and circulation. The proposed Project will not construct any new roadways or intersections on the existing campus. During construction there will be periodic lane and sidewalk closures to accomplish frontage improvements and/or underground utility connections. In all cases, traffic will be temporarily rerouted safely and efficiently, therefore, there is no impact and no mitigation is required.

d) Result in inadequate emergency access?

Less Than Significant Impact. Emergency access to the Project site and surrounding areas will be maintained during both construction and operation. The proposed Project will comply with the City of Norco's standards for emergency vehicle access, including requirements for roadway width, clearance, turnaround, and height limitations and does not include or require any improvements to the existing roadway network. Therefore, impacts related to emergency access will be less than significant and no mitigation is required.

3.18 Tribal Cultural Resources

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES				
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code § 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☐	☒	☐
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

The proposed Project is subject to compliance with Assembly Bill (AB) 52 (PRC 21074), which requires the consideration of impacts to Tribal Cultural Resources as part of the CEQA process. Under AB 52, the lead agency must notify California Native American tribes who are traditionally or culturally affiliated with the geographic area of the project that have requested notification.

RCCD sent notification letters to the California Native American Tribal representatives of the following Tribes listed by the NAHC who had requested notification pursuant to AB 52 on October 14, 2025, via U.S. Postal Service certified mail and email:

- Agua Caliente Band of Cahuilla Indians
- Cabazon Band of Cahuilla Indians
- Cahuilla Band of Indians
- Gabrieleno Band of Mission Indians – Kizh Nation
- Gabrieleno/Tongva San Gabriel Band of Mission Indians
- Gabrielino/Tongva Indians of California Tribal Council
- Gabrielino/Tongva Nation
- Gabrielino-Tongva Tribe
- Juaneno Band of Mission Indians Acjachemen Nation – Belardes
- La Jolla Band of Luiseno Indians
- Los Coyotes Band of Cahuilla and Cupeño Indians
- Morongo Band of Mission Indians
- Pala Band of Mission Indians
- Pauma Band of Luiseno Indians
- Pechanga Band of Indians
- Quechan Tribe of the Fort Yuma Reservation
- Ramona Band of Cahuilla
- Rincon Band of Luiseno Indians
- San Manuel Band of Mission Indians
- Santa Rosa Band of Cahuilla Indians
- Serrano Nation of Mission Indians
- Soboba Band of Luiseno Indians
- Torres-Martinez Desert Cahuilla Indians

The notification letters included the Project location, a Project description, explanation of AB 52 timing, an invitation to consult, and contact information for the appropriate lead agency representative. To date, RCCD has received six responses to the notification letters and emails. Table 3.18-1 summarizes the results of the AB 52 process for the Project. The confidential AB 52 consultation results are on file with RCCD.

Table 3.18-1. AB 52 NAHC-Listed Native American Contacts

Native American Tribal Representatives	Response Received
Agua Caliente Band of Cahuilla Indians	1. On October 15, 2025, the Agua Caliente Band of Cahuilla Indians responded to the RCCD email and did not have comments.
Cahuilla Band of Indians	1. On November 20, 2025, the Cahuilla Band of Indians responded to the RCCD email and requested all cultural materials associated with the Project. 2. On November 26, 2025, RCCD emailed the Cultural Resources Assessment. 3. No further follow-up was received. Consultation was closed on January 26, 2026.
Gabrieleño Band of Mission Indians–Kizh Nation	1. On October 24, 2025, the Gabrieleño Band of Mission Indians–Kizh Nation responded to the RCCD email and requested AB 52 consultation. 2. On November 26, 2025, RCCD emailed the Cultural Resources Assessment. 3. On January 6, 2025, a call with the Tribe will occur to initiate AB 52 consultation. 4. On January 5, 2025, the Tribe cancelled the call, and consultation was requested to proceed via email. 5. On January 6, 2026, the District confirmed that consultation could proceed via email. 6. On January 8, the Tribe emailed documents pertaining to another CEQA project. 7. No further follow-up was received. Consultation was closed on January 26, 2026.
Pechanga Band of Indians	1. On November 14, 2025, the Pechanga Band of Indians responded to the RCCD email and requested AB 52 consultation. 2. On November 26, 2025, RCCD emailed the Cultural Resources Assessment. 3. No further follow-up was received. Consultation was closed on January 26, 2026.
Quechan Tribe of the Fort Yuma Reservation	1. On October 20, 2025, the Quechan Tribe of the Fort Yuma Reservation responded to the RCCD email and did not have comments.
San Manuel Band of Mission Indians	2. On October 15, 2025, the San Manuel Band of Mission Indians responded to the RCCD email and did not have comments.

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code § 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

Less Than Significant Impact. As of July 2015, California AB 52 was enacted and expands CEQA by defining a new resource category, "Tribal Cultural Resources." AB 52 requires Lead Agencies to evaluate a project's potential to impact tribal cultural resources. Such resources include "sites, features, cultural landscapes, sacred places, and objects with cultural value to a California Native American Tribe and is 1) listed or eligible for listing in the California Register of Historical Resources or 2) included in a local register of historical resources. AB 52 also gives Lead Agencies the discretion to determine, supported by substantial evidence, whether a resource qualifies as a "tribal cultural resource." As discussed in Section 3.5 above, as part of the Cultural Resources Assessment prepared by Terracon in October 2025, archaeologists did not record any cultural resources within the subject property boundaries.

Terracon requested a search of the NAHC Sacred Lands File (SLF) to determine the presence of any Native American cultural resources within the Project site. The NAHC SLF records search results were negative for known Native American heritage resources within the Project site. The NAHC identified 47 Native American individuals from the tribes listed above who are traditionally and culturally affiliated with the Project's geographic area. In compliance with AB 52, RCCD contacted all NAHC-listed tribal representatives that requested Project notification as discussed above.

ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Less Than Significant Impact with Mitigation Incorporated. The Project site has been previously disturbed by the development of its existing use and, in addition, has no record of listing in any register of historical resources. Nonetheless, the presence of remains or unanticipated cultural resources under the ground surface of the Project site. Implementation of **Mitigation Measures CR-1**, **CR-2, and TCR-1** will ensure that impacts due to discovery of unanticipated cultural resources during excavation will be less than significant with mitigation incorporated.

Mitigation Measures

Mitigation Measure TCR-1:

Retaining a Monitor Prior to Ground Disturbing Activities. The project applicant/lead agency shall retain a third party Monitor. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/ definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but

is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.

A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the start of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.

The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to tribes. Monitor logs will identify and describe any discovered Tribal Cultural Resources (TCRs), including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, Tribal Cultural Resources, or "TCRs"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request. In addition to monitoring activities, the Pauma Band of Luiseno Indians shall be notified immediately of any inadvertent discoveries or potential impacts to cultural resources, sacred sites, or ancestral remains that may occur during Project activities.

3.19 Utilities and Service Systems

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the waste water treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐

d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Water Treatment Facilities

Less Than Significant Impact. The proposed Project's water demands will be served by existing water supplies, and the Project will not require the construction of new water treatment facilities. Existing water conveyance infrastructure is located within roadways surrounding Norco College and the proposed Project site, and it is anticipated to have adequate capacity to serve the proposed Project. The proposed Project will only minimally increase Norco College's water demand and will not require any necessary improvements to existing infrastructure serving the Project site. The proposed Project will not result in the need for additional water conveyance infrastructure beyond what is already planned as part of the Western Municipal Water District (WMWD) and City planning efforts. RCCD will construct necessary infrastructure extensions of existing lines to the site to meet the water demands of the Project. In addition, RCCD will pay applicable connection fees and monthly charges that may be necessary as part of the Project. Any potential impacts related to water will be less than significant. Therefore, impacts associated with the construction of new or expanded water treatment facilities will be less than significant and no mitigation is required.

Wastewater Treatment Facilities

Less Than Significant Impact. The Western Municipal Water District (WMWD) manages the wastewater for the proposed Project service area. According to the WMWD's updated 2020 Urban Water Management Plan (UWMP), the wastewater collection system for the College is serviced by WMWD (WMWD 2021). WMWD currently treats wastewater via the Western Water Recycling Facility and the West Riverside County Regional Wastewater Treatment Plant. These two plants process the bulk of WMWD's service area, aside from a small portion treated by the City of Riverside. The City of Norco is primarily serviced by the West Riverside County Regional Wastewater Treatment Plant, which has a design capacity of 14 million gallons per day, providing more than sufficient wastewater capacity for the proposed Project and growth within the WMWD service area. Both facilities produce tertiary effluent as part of their processes, which is suitable for subsequent uses such as irrigation but is typically treated sufficiently and discharged into the Santa Ana River.

Existing sewer infrastructure is located within roadways surrounding the Norco College campus and the proposed Project site, and it is anticipated to have adequate capacity to serve the proposed Project. The proposed Project will only minimally increase Norco College's wastewater generation and will not require any necessary improvements to existing infrastructure serving the Project site. The proposed Project will not result in the need for additional wastewater treatment capacity or infrastructure beyond what is already planned as part of the WMWD and City of Norco planning efforts. RCCD will construct necessary infrastructure extensions of existing lines to the site to meet the sewer demands of the proposed Project. In addition, RCCD will pay applicable connection fees

and monthly usage charges that may be necessary as part of the final Project. Any potential impacts related to wastewater will be less than significant and no mitigation is required.

Stormwater Facilities

Less Than Significant Impact. The proposed Project will include the construction of the proposed LLRC and Student Services building to support Norco College's existing educational programs. Thus, implementation of the proposed Project will have generally the same amount of impervious area on site and not alter the existing drainage patterns. The proposed Project will be required to conform to applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements will ensure that the drainage system is designed with adequate capacity to capture stormwater flow. Therefore, impacts associated with the construction of stormwater facilities will be less than significant and no mitigation is required.

Other Facilities

Less Than Significant Impact. As part of the proposed Project, utility service lines, including those for electric power, and telecommunications services, will be extended from their current locations within the Norco College campus to the Project site for operation of the proposed Project. Given that the activity of connecting utilities from their current locations on campus to the proposed Project will require ground disturbance and the use of heavy machinery associated with trenching, the connection of this utility services to the proposed Project will potentially result in environmental effects. However, the extension of these utility lines is part of the proposed Project analyzed herein. As such, any potential environmental impacts related to these components of the proposed Project are already accounted for in this MND as part of the impact assessment conducted for the entirety of the proposed Project. No adverse physical effects beyond those already disclosed in this MND will occur as a result of implementation of the proposed Project's utility system connections. Additionally, the proposed Project will constitute a nominal increase in utility usage, which has already been accounted for in growth projections for the school, the City, and by each utility provider. No modifications to utility infrastructure will be necessary outside the Project site. As such, impacts associated with the construction or expansion of utility line connections will be less than significant and no mitigation is required.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less Than Significant Impact. The California Urban Water Management Planning Act (California Water Code Sections 10610–10656) requires water utilities providing water for municipal uses to more than 3,000 customers or supplying more than 3,000 acre-feet per year to prepare an Urban Water Management Plan (UWMP) every 5 years. The proposed Project will be served by WMWD, which last updated its UWMP in 2020. The vast majority of the water for WMWD's service area is part of the State Water Project, along with wholesale supplies purchased from the Southern California Metropolitan Water District. Additionally, the Arlington Desalter provides high-quality water sources to the City of Norco. According to the 2020 UWMP, WMWD has determined that water resources are sufficient to handle all projected growth within their service area, including during multiple dry years (WMWD 2021).

A Water Supply Assessment for the proposed Project is not required pursuant to California Water Code Section 10910, because the Project as proposed does not meet the criteria under California Water Code Section 10912, nor does it meet the definition of a "water demand project" pursuant to CEQA Guidelines Section 15155(a). Based on the site engineering and design plans, RCCD will construct all necessary infrastructure extensions of existing lines to the site to meet the water and sewer demands of the proposed Project. RCCD will also install all necessary fire service with backflow

device lines and fire hydrants to ensure that a reliable and appropriate water source exists on site for firefighting purposes. In addition, RCCD will pay all applicable connection fees and monthly usage charges to the City for the provision of water to the Project site.

Due to the limited water requirements for the proposed Project, sufficient capacity for both domestic water and sewer is reasonably expected. Moreover, based on WMWD's 2020 UWMP, the City's projected water supplies are expected to be sufficient to meet the additional water demand resulting from the proposed Project, in addition to existing and planned future uses. Impacts will be less than significant and no mitigation is required.

c) Result in a determination by the waste water treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. As discussed previously, the proposed Project will not likely increase Norco College's volume of wastewater treated by WMWD, wastewater treatment provider . The proposed Project will not result in the determination by WMWD that it does not have sufficient capacity to serve the proposed Project's anticipated wastewater demand. As previously discussed, WMWD maintains sufficient wastewater infrastructure and service capacity, and the proposed Project will produce minimal wastewater. Impacts will be less than significant and no mitigation is required.

d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less Than Significant Impact. The Riverside County Waste Management Department manages Riverside County's solid waste system through the provision of facilities and programs that meet or exceed applicable federal, state, and local land use regulations. The Riverside County Waste Management Department manages five Riverside County Sanitary Landfills: Badlands, Blythe, Desert Center, Lamb Canyon, and Oasis (RCDWR 2022). Each of these landfills has sufficient capacity to accommodate the Project's minimal solid waste disposal needs and is permitted to receive non-hazardous municipal solid waste (CalRecycle 2022).

Any number of local landfills typically utilized by the City of Norco has sufficient capacity to accommodate this volume of non-hazardous waste. Minimal waste is anticipated during operation of the proposed Project, which can be handled as part of Norco College's day-to-day waste stream. Any impacts related to solid waste will be less than significant and no mitigation is required.

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less Than Significant Impact. The proposed uses for the Project site are consistent with surrounding educational uses of the site. The proposed Project will not violate any adopted federal, state, or local policies and regulations related to solid waste. Compliance with these regulations will result in a less than significant impact and no mitigation is required.

3.20 Wildfire

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

According to the Fire Hazard Severity Zone viewer from CAL FIRE, the proposed Project site is located within a Local Responsibility Area, meaning that the financial responsibility of preventing and suppressing wildfires is primarily the responsibility of a Local agency. The northeastern portion of the Project site is mapped within a High Fire Hazard Severity Zone while the southwest portion is mapped within a Moderate Fire Hazard Severity Zone (CAL FIRE 2025).

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. Third Street serves as the sole access point for the Norco College campus and therefore functions as an emergency route. Construction activities will be staged within the laydown area in Parking Lot A, and no full or partial closure of Third Street is anticipated. While construction could temporarily affect emergency access to the western portion of the campus, the Project will not hinder RCCD's ability to implement its Emergency Operations Plan. Upon completion, the Project will not introduce any conditions that will substantially interfere with an adopted emergency response or evacuation plan. Consequently, impacts related to emergency access or emergency planning will be less than significant and no mitigation is required.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less Than Significant Impact. According to CAL FIRE's Fire Hazard Severity Zone maps, the Norco College campus is located within a Local Responsibility Area and includes areas classified as Moderate and High Fire Hazard Severity Zones (CAL FIRE 2025). The Project site is situated within the developed core of the campus on flat terrain, surrounded by existing urban development, which substantially reduces exposure to wildland fire risk. While open space areas exist near Lake Norconian to the north, these do not represent a significant source of wildfire threat to the proposed Project.

Construction and operation of the Project will not introduce conditions that exacerbate wildfire risk related to slope, prevailing winds, or fuel sources. In the unlikely event of a wildfire in the vicinity, campus occupants will follow established evacuation procedures under the College's Emergency Operations Plan and as directed by local fire authorities. Therefore, the proposed Project will not impair emergency response or evacuation plans and will not significantly increase wildfire hazards. Impacts will be less than significant, and no mitigation is required.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Less Than Significant Impact. The proposed Project involves construction of the LLRC and Student Services building within the Norco College campus. These improvements will not include infrastructure or features that increase wildfire risk. While utility connections will be installed as part of the Project, all utilities will be placed underground and designed in accordance with applicable safety standards, minimizing any potential fire hazard. The Project does not introduce above-ground infrastructure or maintenance activities that could exacerbate fire conditions. Therefore, impacts related to infrastructure installation or maintenance contributing to wildfire risk will be less than significant and no mitigation is required.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less Than Significant Impact. As mentioned above in this section, site is characterized by flat topography and does not contain steep slopes or unstable terrain. No evidence of existing slope instability has been identified, and there are no adjacent areas with grades that could pose a risk of seismically induced landslides. During site preparation, grading activities will further stabilize and level the ground surface, reducing any potential for future slope movement.

Following construction, the site will remain flat and integrated with surrounding developed areas of the campus, eliminating conditions that could lead to landslides, post-fire erosion, or significant drainage alterations. Compliance with standard grading practices and applicable geotechnical requirements will further reduce any risk. Therefore, potential impacts related to slope failure, instability, or drainage changes will be less than significant and no mitigation is required.

3.21 Mandatory Findings of Significance

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

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

Less Than Significant with Mitigation Incorporated. As discussed in Section 3.3, the Project has identified sensitive receptors within 330 feet of the Project boundary, however, with the implementation of **Mitigation Measure AQ-1**, impacts would be reduced to less than significant. AQ-1 includes that contract specifications shall require that all off-road equipment over 50 horsepower meet U.S. EPA Tier 4 emission standards, when available, to minimize emissions of NO_x, PM_{10}, and $PM_{2.5}$. Additionally, all equipment shall be equipped with Best Available Control Technology (BACT) certified by CARB.

As discussed previously in Section 3.4, the Project site does not contain suitable habitat for special-status species or federally protected wetlands, and it will not conflict with an adopted Habitat Conservation Plan or Natural Communities Conservation Plan. However, the Project site contains

trees, shrubs, and bare ground that could potentially provide suitable habitat for nesting birds. To comply with the Migratory Bird Treaty Act (MBTA) and avoid impacts to nesting birds from implementation of the proposed Project, if construction commences during the nesting bird season (January 1 – September 15) a pre-construction nesting bird survey will be required prior to construction, as detailed in **Mitigation Measure BIO-1**.

As discussed previously in Cultural Resources Section 3.5, the proposed Project is not expected to result in any significant impact on any examples of the major periods of California history or prehistory. No historic cultural or archaeological resources as defined by CEQA were identified in the Cultural Resources Assessment prepared for the proposed Project and no cultural resources were identified during the archaeological field survey completed on October 1, 2025. The lack of resources identified by the record search, SLF search, and field survey, in addition to previous disturbance from development of Norco College campus, indicate a low probability for surface and subsurface resources within the Project site. Although the Project site is not anticipated to be sensitive for cultural resources, ground-disturbing activities have the potential to reveal unknown buried deposits. In the unlikely event that unanticipated archaeological resources are discovered during Project construction, impacts to these resources could be potentially significant. Therefore, **Mitigation Measures CR-1** and **CR-2** will be implemented, requiring that a qualified archaeologist is retained to be on-call to respond to inadvertent discoveries during Project construction and that all construction work occurring within 50 feet of any find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Qualification Standards for Archaeology, can evaluate the significance of the find. There are potentially significant impacts on tribal cultural resources. **Mitigation Measure CR-3** will be implemented to address potential impacts related to Unanticipated Discovery of Human Remains. If human remains are encountered during activities associated with the proposed Project, 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 prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). **Mitigation Measure TCR-1** will be implemented to reduce or avoid impacts by requiring tribal cultural monitoring by a third-party and notifying Pauma Band of Luiseno Indians of any inadvertent discoveries or potential impacts to cultural resources, sacred sites, or ancestral remains that may occur during Project activities.

Mitigation Measure GEO-1 will be implemented should paleontological resources be encountered during Project subsurface construction activities, and all ground-disturbing activities within 25 feet shall be redirected. A qualified paleontologist will be contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. If the paleontological resources are found to be significant and Project activities cannot avoid them, measures such as monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository will be required. If paleontological materials are recovered, this report also shall be submitted to a paleontological repository such as the University of California Museum of Paleontology, along with significant paleontological materials.

To address potential impacts to public health safety, **Mitigation Measure HAZ-1** will be implemented to establish a new Voluntary Cleanup Agreement (VCA) with DTSC that's in compliance with the Land Use Covenant. The VCA will incorporate a vapor barrier in the building design and

preparation of a Soil Management Plan to ensure safe handling of contaminated soils during construction.

With implementation of regulatory compliance measures, the potential for the proposed Project 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 rare or endangered plants or animals, or eliminate important examples of the major periods of California history or prehistory will be less than significant with mitigation incorporated.

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

Less Than Significant Impact with Mitigation Incorporated. When evaluating cumulative impacts, it is important to remain consistent with Section 15064(h) of the CEQA Guidelines, which states that an Environmental Impact Report must be prepared if the cumulative impact may be significant and the project's incremental effect, though individually limited, is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

Alternatively, a lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable through mitigation measures set forth in an MND or if the project will comply with the requirements in a previously approved plan or mitigation program (including, but not limited to, water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, plans or regulations for the reduction of greenhouse gas emissions) that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located.

The Project will potentially result in significant impacts to biological resources, cultural resources, noise, and tribal cultural resources without the incorporation of mitigation. When combined with impacts from other related projects throughout the broader project area and left unmitigated, the Project will potentially result in cumulative-level impacts.

However, with the incorporation of mitigation identified herein, the Project's impacts will be reduced to less-than-significant levels and will not considerably contribute to cumulative impacts in the greater Project region. In addition, other related projects will presumably be bound by their applicable lead agency to (1) comply with the applicable federal, state, and local regulatory requirements; and (2) incorporate all feasible mitigation measures, consistent with CEQA, to further ensure that their potentially cumulative impacts will be reduced to less-than-significant levels.

Although cumulative impacts are always possible, the Project, by incorporating all mitigation measures outlined herein, will reduce its contribution to any such cumulative impacts to less than cumulatively considerable; therefore, the Project will result in individually limited, but not cumulatively considerable, impacts.

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

Less Than Significant Impact with Mitigation Incorporated. As evaluated throughout this document, with incorporation of mitigation, environmental impacts associated with the Project will be less than significant. Thus, the Project will not directly or indirectly cause substantial adverse effects on human beings. Impacts will be less than significant with incorporation of mitigation.

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Appendix A
Air Quality, Greenhouse Gas, Energy Impact Study, and Health Risk Assessment

Library Learning Resource Center & Student Services

Air Quality, Greenhouse Gas, and Energy Impact Study

City of Norco, CA

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Sound Solutions for Planning and Design

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GLOSSARY OF TERMS

AQMP	Air Quality Management Plan
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
GHG	Greenhouse gas
HFCs	Hydrofluorocarbons
LST	Localized Significant Thresholds
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
O_3	Ozone
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SOx	Sulfur Oxides
SRA	Source/Receptor Area
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCC	Western Regional Climate Center

1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This air quality, greenhouse gas (GHG), and energy analysis was prepared to evaluate whether the estimated criteria pollutants and GHG emissions generated from the project would cause a significant impact to the air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The assessment is consistent with the methodology and emission factors endorsed by South Coast Air Quality Management District (SCAQMD), California Air Resource Board (CARB), and the United States Environmental Protection Agency (US EPA).

1.2 Project Summary

1.2.1 Site Location

The Riverside Community College District (RCCD) – Norco College (NC) campus is located within the western Riverside County sub-region of southern California. The area is generally south of the City of Ontario, southwest of the City of Riverside, and east of the Prado Dam (see Exhibit A).

Within the Norco Campus, the proposed project will be located on the southern edge of the campus core, adjacent to Parking Lot A. Additionally, the project site will be north of Third Street, east of the sports complex, and west of JFK Drive. Additionally, one of two optional construction laydown areas would be utilized for the project. One is west of the project site, and adjacent to Parking Lot D and West End Drive. The second optional laydown area is located east of the project site and north of Parking Lot B (see Exhibit B).

The current City of Norco General Plan designates the NC campus as Public Land (PL) and zoned as Open Space (OS). The current City of Norco General Plan designations for the land surrounding the campus vary. North of NC the General Plan designation is Preservation and Development (PAD), east of NC is Specific Plan (SP) with a Housing Development Overlay (HDO), south and west the General Plan designation is Residential Agricultural (RA). The zoning indicates that the area north of NC is Preservation and Development (PAD), east is the Norco Auto Mall Specific Plan, south and west is Agricultural Low Density (A-1-20).

1.2.2 Project Description

This project proposes to construct a new three-story Library Learning Resource Center and Student Services building at Norco College. The proposed project will expand library and learning resource spaces to meet student needs, and consolidate programs currently housed in the Library, Student Services Building, and College Resource Center. The new facility will also include modern technology and infrastructure that is essential to student success. The proposed LLRC and Student Services building is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classrooms, 16,968

ASF of faculty/staff office space, 26,112 ASF of library/library support, 994 ASF of audio/visual media space, and 3,491 ASF of other support space.

The proposed project will be located on the southwestern edge of the campus core, adjacent to Parking Lot D and C. The existing Student Services building, College Resource Center, and Portables A and B will be demolished as secondary effects of the proposed project. Additionally, the existing Library building will be inactivated for future repurposing as a separate capital construction project.

Construction activities within the Project area will consist of demolition, site preparation, on-site grading, trenching, building, and architectural coating. Table 1 summarizes the land use description for the Project Site.

Table 1: Land Use Summary

Land Use	Unit Amount	Size Metric
Library	77.430	Thousand Square Feet

1.2.3 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, a sensitive receptor would be a location where a sensitive individual could remain for 24-hours or longer, such as residencies, hospitals, and schools (etc).

The closest existing sensitive receptors (to the site area) are the residences approximately 330 feet to the southwest.

1.3 Executive Summary of Findings and Mitigation Measures

The following is a summary of the analysis results:

Construction-Source Emissions
Project construction-source emissions would not exceed applicable regional thresholds of significance established by the SCAQMD. For localized emissions, the project will not exceed applicable Localized Significance Thresholds (LSTs) established by the SCAQMD.

Project construction-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). As discussed herein, the project will comply with all applicable SCAQMD construction-source emission reduction rules and guidelines. Project construction source emissions would not cause or substantively contribute to violation of the California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS).

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

Operational-Source Emissions

Project operational-sourced emissions would not exceed regional operational air quality thresholds. Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the Operations-Related Local Air Quality Impacts section of this report. Additionally, project-related traffic will not cause or result in CO concentrations exceeding applicable state and/or federal standards (CO "hotspots). Project operational-source emissions would therefore not adversely affect sensitive receptors within the vicinity of the project.

Project operational-source emissions would not conflict with the Basin Air Quality Management Plan (AQMP). The project would not result in a significant cumulative impact. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less-than significant.

Project-related GHG emissions meet the SCAQMD draft threshold and are also considered to be less than significant. The project also complies with the goals of the WRCOG CAP, CARB Scoping Plan, AB-32, and SB-32**.**

Mitigation Measures

A. Construction Measures

Adherence to SCAQMD Rule 403 is required.

No construction mitigation required.

B. Operational Measures to Reduce Greenhouse Gas Emissions

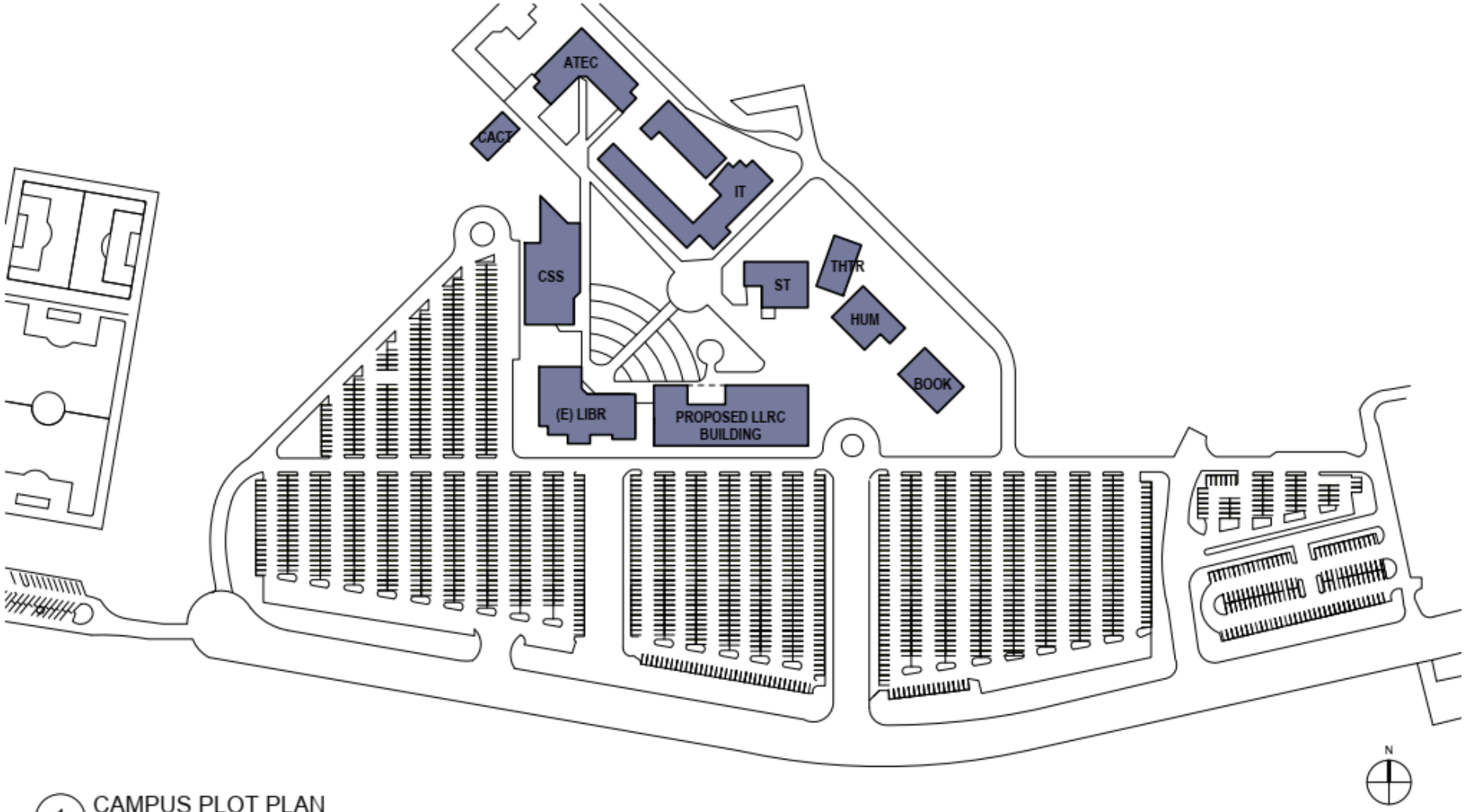
No operational mitigation required.

Exhibit A

Location Map

Exhibit B

Site Plan



1 CAMPUS PLOT PLAN
1" = 160'-0"

Issue Date: 05/17/2020

CAMPUS SITE PLAN

CANNONDESIGN ALMA LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT NORCO COLLEGE

2.0 Regulatory Framework and Background

2.1 Air Quality Regulatory Setting

Air pollutants are regulated at the national, state, and air basin level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level. The California Air Resources Board (ARB) regulates at the state level. The South Coast Air Quality Management District (SCAQMD) regulates at the air basin level.

2.1.1 National and State

The EPA is responsible for global, international, and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all State Implementation Plans, provides research and guidance for air pollution programs, and sets National Air Quality Standards, also known as federal standards. There are six common air pollutants, called criteria pollutants, which were identified from the provisions of the Clean Air Act of 1970.

- Ozone
- Nitrogen Dioxide
- Lead
- Particulate Matter (PM10 and PM2.5)
- Carbon Monoxide
- Particulate Matter
- Sulfur Dioxide

The federal standards were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants. Primary federal standards are the levels of air quality necessary, with an adequate margin of safety, to project the public health.

A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain federal standards. The State Implementation Plan for the State of California is administered by the ARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's State Implementation Plan incorporates individual federal attainment plans for regional air districts—air district prepares their federal attainment plan, which sent to ARB to be approved and incorporated into the California State Implementation Plan. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms. See http://www.arb.ca.gov/research/aaqs/aaqs.htm for additional information on criteria pollutants and air quality standards.

The federal and state ambient air quality standards are summarized in Table 2 and can also be found at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

Table 2: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentrations[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O3)	1-Hour	0.09 ppm	Ultraviolet Photometry	- -	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm		0.070 ppm (147 µg/m³)		
Respirable Particulate Matter (PM10)[8]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µ/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		- -		
Fine Particulate Matter (PM2.5)[8]	24-Hour	- -	- -	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 µg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 µg/m³)	- -	Non-Dispersive Infrared Photometry (NDIR)
	8-Hour	9.0 ppm (10 µg/m³)		9 ppm (10 µg/m³)	- -	
	8-Hour (Lake Tahoe)	6 ppm (7 µg/m³)		- -	- -	
Nitrogen Dioxide (NO_2)[9]	1-Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	- -	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (357 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[10]	1-Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	- -	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3-Hour	- -		- -	0.5 ppm (1300 mg/m³)	
	24-Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[10]	- -	
	Annual Arithmetic Mean	- -		0.130ppm (for certain areas)[10]	- -	
Lead[11,12]	30 Day Average	1.5 µg/m³	Atomic Absorption	- -		
	Calendar Qrtr	- -		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	- -		0.15 µg/m³		
Visibility Reducing Particles[13]	8-Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[11]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Notes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the U.S. EPA.

8. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

9. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

10. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

11. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

12. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

13. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Several pollutants listed in Table 2 are not addressed in this analysis. Analysis of lead is not included in this report because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

2.1.2 South Coast Air Quality Management District

The agency for air pollution control for the South Coast Air Basin (basin) is the South Coast Air Quality Management District (SCAQMD). SCAQMD is responsible for controlling emissions primarily from stationary sources. SCAQMD maintains air quality monitoring stations throughout the basin. SCAQMD, in coordination with the Southern California Association of Governments, is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the basin. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment of the federal and/or California ambient air quality standards. The term nonattainment area is used to refer to an air basin where one or more ambient air quality standards are exceeded.

Every three (3) years the SCAQMD prepares a new AQMP, updating the previous plan and having a 20-year horizon.

On March 23, 2017 CARB approved the 2016 AQMP. The 2016 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air.

The 2016 AQMP includes both stationary and mobile source strategies to ensure that rapidly approaching attainment deadlines are met, that public health is protected to the maximum extent feasible, and that the region is not faced with burdensome sanctions if the Plan is not approved or if the NAAQS are not met on time. As with every AQMP, a comprehensive analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures is updated with the latest data and methods. The most significant air quality challenge in the Basin is to reduce nitrogen oxide (NOx) emissions sufficiently to meet the upcoming ozone standard deadlines. The primary goal of this Air Quality Management Plan is to meet clean air standards and protect public health, including ensuring benefits to environmental justice and disadvantaged communities. Now that the plan has been approved by CARB, it has been forwarded to the U.S. Environmental Protection Agency for its review. If approved by EPA, the plan becomes federally enforceable

South Coast AQMD adopted the 2022 AQMP on December 2, 2022, to address the attainment of the 2015 8-hour ozone standard (70 ppb) for South Coast Air Basin and Coachella Valley. To meet this standard, the AQMP determined NOx emissions must be reduced by 67% percent more than is required by adopted rules and regulations by 2037. The control strategy for the 2022 AQMP includes aggressive new regulations and the development of incentive programs to support early deployment of advanced technologies. The two key areas for incentive programs are (1) promoting widespread deployment of available zero-emission (ZE) and low NOx technologies and (2) developing new ZE and ultra-low NOx technologies for use in cases where the technology is not currently available. South Coast AQMD will prioritize distribution of incentive funding in environmental justice areas and seek opportunities to focus benefits on the most disadvantaged communities. Cost-effectiveness and affordability will be further considered during the rulemaking or incentive program development process.

South Coast Air Quality Management District Rules

The AQMP for the basin establishes a program of rules and regulations administered by SCAQMD to obtain attainment of the state and federal standards. Some of the rules and regulations that apply to this Project include, but are not limited to, the following:

SCAQMD Rule 402 prohibits a person from discharging 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.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access

roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

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. In addition, Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable suppression techniques are indicated below and include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas in active for 10 days or more).
- Water active sites at least three times daily.
- Cover all trucks hauling dirt, san, soil, or other loose materials, or maintain at least 2 feet of freeboard in accordance with the requirements of California Vehicle Code (CVC) section 23114.
- Pave construction access roads at least 100 feet onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- During all construction activities, construction contractors shall sweep on-site and off-iste streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets.

SCAQMD Rule 1113 governs the sale, use, and manufacturing of architectural coating and limits the VOC content in paints and paint solvents. This rule regulates the VOC content of paints available during construction. Therefore, all paints and solvents used during construction and operation of project must comply with Rule 1113.

Idling Diesel Vehicle Trucks – Idling for more than 5 minutes in any one location is prohibited within California borders.

Rule 2702. The SCAQMD adopted Rule 2702 on February 6, 2009, which establishes a voluntary air quality investment program from which SCAQMD can collect funds from parties that desire certified GHG emission reductions, pool those funds, and use them to purchase or fund GHG emission reduction projects within two years, unless extended by the Governing Board. Priority will be given to projects that result in co-benefit emission reductions of GHG emissions and criteria or toxic air pollutants within environmental justice areas. Further, this voluntary program may compete with the cap-and-trade program identified for implementation in CARB's Scoping Plan, or a Federal cap and trade program.

2.1.3 Local

Local jurisdictions, such as the City of Norco, have the authority and responsibility to reduce air pollution through their police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the 2016 AQMP. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

The City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Air Quality Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

City of Norco General Plan

The Conservation Element of the City of Norco General Plan contains the following goals and policies:

Goal 2.5: Use Of Energy Resources Goal-Encourage The Efficient Use Of Energy Resources.

2.5.1 Residential, Commercial, And Industrial Policy.

> Policy 2.5.1a. Encourage new construction and project design that uses, or takes advantage of renewable energy resources, including but not limited to solar energy design.
>
> Policy 2.5.1b. Provide updated energy information documents for builders as needed to reflect the most recent Title 24 energy efficiency requirements and standards and other applicable new laws, requirements, and feasible building standards as may be available.
>
> Policy 2.5.1c. Update requirements and policies as necessary to reflect the most cost effective advances in energy production and conservation.

2.2 Greenhouse Gas Regulatory Setting

2.2.1 International

Many countries around the globe have made an effort to reduce GHGs since climate change is a global issue.

Intergovernmental Panel on Climate Change. In 1988, the United Nations and the World Meteorological Organization established the Intergovernmental Panel on Climate Change to assess the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nations. The United States participates in the United Nations Framework Convention on Climate Change (UNFCCC) (signed on March 21, 1994). Under the Convention, governments gather and share information on greenhouse gas emissions, national policies, and best practices; launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

The 2014 UN Climate Change Conference in Lima Peru provided a unique opportunity to engage all countries to assess how developed countries are implementing actions to reduce emissions.

Kyoto Protocol. The Kyoto Protocol is a treaty made under the UNFCCC and was the first international agreement to regulate GHG emissions. It has been estimated that if the commitments outlined in the Kyoto Protocol are met, global GHG emissions could be reduced by an estimated 5 percent from 1990 levels during the first commitment period of 2008 – 2012 (UNFCCC 1997). On December 8, 2012, the Doha Amendment to the Kyoto Protocol was adopted. The amendment includes: New commitments for Annex I Parties to the Kyoto Protocol who agreed to take on commitments in a second commitment period from 2013 – 2020; a revised list of greenhouse gases (GHG) to be reported on by Parties in the second commitment period; and Amendments to several articles of the Kyoto Protocol which specifically referenced issues pertaining to the first commitment period and which needed to be updated for the second commitment period.

2.2.2 National

Greenhouse Gas Endangerment. On December 2, 2009, the EPA announced that GHGs threaten the public health and welfare of the American people. The EPA also states that GHG emissions from on-road vehicles contribute to that threat. The decision was based on *Massachusetts v. EPA* (Supreme Court Case 05-1120) which argued that GHGs are air pollutants covered by the Clean Air Act and that the EPA has authority to regulate those emissions.

Clean Vehicles. Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the United States. On April 1, 2010, the EPA and the Department of Transportation's National Highway Safety Administration announced a joint final rule establishing a national program that would reduce greenhouse gas emissions and improve fuel economy for new cars and trucks sold in the United States.

The first phase of the national program would apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of carbon dioxide per mile, equivalent to 35.5 miles per gallon if the automobile industry were to meet this carbon dioxide level solely through fuel economy improvements. Together, these standards would cut carbon dioxide emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). The second phase of the national program

would involve proposing new fuel economy and greenhouse gas standards for model years 2017 – 2025 by September 1, 2011.

On October 25, 2010, the EPA and the U.S. Department of Transportation proposed the first national standards to reduce greenhouse gas emissions and improve fuel efficiency of heavy-duty trucks and buses. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20 percent reduction in carbon dioxide emissions and fuel consumption by the 2018 model year. For heavy-duty pickup trucks and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10 percent reduction for gasoline vehicles and 15 percent reduction for diesel vehicles by 2018 model year (12 and 17 percent respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the agencies are proposing engine and vehicle standards starting in the 2014 model year which would achieve up to a 10 percent reduction in fuel consumption and carbon dioxide emissions by 2018 model year.

Mandatory Reporting of Greenhouse Gases. On January 1, 2010, the EPA started requiring large emitters of heat-trapping emissions to begin collecting GHG data under a new reporting system. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of greenhouse gas emissions are required to submit annual reports to the EPA.

Climate Adaption Plan. The EPA Plan identifies priority actions the Agency will take to incorporate considerations of climate change into its programs, policies, rules and operations to ensure they are effective under future climatic conditions. The following link provides more information on the EPA Plan: https://www.epa.gov/arc-x/planning-climate-change-adaptation

2.2.3 California

California Code of Regulations (CCR) Title 24, Part 6. CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Although it was not originally intended to reduce GHG emissions, electricity production by fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008 and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. 2013 and 2016 standards have been approved and became effective July 1, 2014 and January 1, 2016, respectively.

California Code of Regulations (CCR) Title 24, Part 11. All buildings for which an application for a building permit is submitted on or after January 1, 2023 must follow the 2022 standards. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel

consumption and decreases greenhouse gas emissions. The following links provide more information on Title 24, Part 11:
https://www.dgs.ca.gov/BSC/Codes
https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency

California Green Building Standards. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Housing and Community Development (HCD) updated CALGreen through the 2015 Triennial Code Adoption Cycle, during the 2016 to 2017 fiscal year. During the 2022-2023 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2023 Triennial Code Adoption Cycle.

The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings. CCR Title 24, Part 11: California Green Building Standards (Title 24) became effective in 2001 in response to continued efforts to reduce GHG emissions associated with energy consumption. CCR Title 24, Part 11 now require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. One focus of CCR Title 24, Part 11 is water conservation measures, which reduce GHG emissions by reducing electrical consumption associated with pumping and treating water. CCR Title 24, Part 11 has approximately 52 nonresidential mandatory measures and an additional 130 provisions for optional use. Some key mandatory measures for commercial occupancies include specified parking for clean air vehicles, a 20 percent reduction of potable water use within buildings, a 50 percent construction waste diversion from landfills, use of building finish materials that emit low levels of volatile organic compounds, and commissioning for new, nonresidential buildings over 10,000 square feet.

The CEC estimates that over 30 years the 2022 Energy Code will provide $1.5 billion in consumer benefits and reduce 10 million metric tons of GHG. Changes compared to the 2019 Energy Code include increases to on-site renewable energy generation from solar, increases to electric load flexibility to support grid reliability, reduction of emissions from newly constructed buildings, reduction of air pollution for improved public health, and increased adoption of environmentally beneficial efficient electric technologies.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided, they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official. The following link provides more on CalGreen Building Standards:
http://www.bsc.ca.gov/Home/CALGreen.aspx

Executive Order S-3-05. California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following targets:

- By 2010, California shall reduce greenhouse gas emissions to 2000 levels;
- By 2020, California shall reduce greenhouse gas emissions to 1990 levels.
- By 2050, California shall reduce greenhouse gas emissions to 80 percent below 1990 levels.

The executive order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs.

Executive Order S-01-07. Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009 CARB approved the proposed regulation to implement the low carbon fuel standard. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The low carbon fuel standard is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet each year beginning in 2011. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are "back-loaded", with more reductions required in the last five years, than the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today's fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

SB 97. Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Resource Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG

emissions, as required by CEQA, by July 1, 2009. The Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the state CEQA guidelines that address GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporate GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance are provided and no specific mitigation measures are identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.
- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project's energy use and energy efficiency potential.

AB 32. The California State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires that greenhouse gases emitted in California be reduced to 1990 levels by the year 2020. "Greenhouse gases" as defined under AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. ARB is the state agency charged with monitoring and regulating sources of greenhouse gases. AB 32 states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal

businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

The ARB Board approved the 1990 greenhouse gas emissions level of 427 million metric tons of carbon dioxide equivalent (MMTCO2e) on December 6, 2007 (California Air Resources Board 2007). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 MMTCO2e. Emissions in 2020 in a "business as usual" scenario are estimated to be 596 MMTCO2e.

Under AB 32, the ARB published its Final Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California. Discrete early action measures are currently underway or are enforceable by January 1, 2010. The ARB has 44 early action measures that apply to the transportation, commercial, forestry, agriculture, cement, oil and gas, fire suppression, fuels, education, energy efficiency, electricity, and waste sectors. Of these early action measures, nine are considered discrete early action measures, as they are regulatory and enforceable by January 1, 2010. The ARB estimates that the 44 recommendations are expected to result in reductions of at least 42 MMTCO2e by 2020, representing approximately 25 percent of the 2020 target.

The ARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 (California Air Resources Board 2008). The Scoping Plan identifies recommended measures for multiple greenhouse gas emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 greenhouse gas target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, Including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and
- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the cap-and trade program will help ensure that the year 2020

emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional greenhouse gas emission reductions.[4]

The 2022 Scoping Plan was adopted by CARB in November 2022 and expands upon earlier plans with a target of reducing GHG emissions to 85% below 1990 levels by 2045.

Senate Bill 100. Senate Bill 100 (SB 100) requires 100 percent of total retail sales of electricity in California to come from eligible renewable energy resources and zero-carbon resources by December 31, 2045. SB 100 was adopted September 2018.

The interim thresholds from prior Senate Bills and Executive Orders would also remain in effect. These include Senate Bill 1078 (SB 1078), which requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. Senate Bill 107 (SB 107) which changed the target date to 2010. Executive Order S-14-08, which was signed on November 2008 and expanded the State's Renewable Energy Standard to 33 percent renewable energy by 2020. Executive Order S-21-09 directed the CARB to adopt regulations by July 31, 2010 to enforce S-14-08. Senate Bill X1-2 codifies the 33 percent renewable energy requirement by 2020.

SB 375. Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the Southern California Association of Governments (SCAG), which has authority to develop the SCS or APS. For the SCAG region, the targets set by CARB are at eight percent below 2005 per capita GHG emissions levels by 2020 and 13 percent below 2005 per capita GHG emissions levels by 2035. On April 4, 2012, SCAG adopted the 2012-2035 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), which meets the CARB emission reduction requirements. The Housing Element Update is required by the State to be completed within 18 months after RTP/SCS adoption or by October 2013.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS or APS. However, new provisions of CEQA would incentivize, through

streamlining and other provisions, qualified projects that are consistent with an approved SCS or APS and categorized as "transit priority projects."

Assembly Bill 939 and Senate Bill 1374. Assembly Bill 939 (AB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills.

Executive Order S-13-08. Executive Order S-13-08 indicates that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the order, the 2009 California Climate Adaptation Strategy (California Natural Resource Agency 2009) was adopted, which is the "… first statewide, multi-sector, region-specific, and information-based climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order B-30-15. Executive Order B-30-15, establishing a new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030, was signed by Governor Brown in April 2015.

Executive Order B-29-15. Executive Order B-29-15, mandates a statewide 25% reduction in potable water usage and was signed into law on April 1, 2015.

Executive Order B-37-16. Executive Order B-37-16, continuing the State's adopted water reduction, was signed into law on May 9, 2016. The water reduction builds off the mandatory 25% reduction called for in EO B-29-15.

2.2.4 South Coast Air Quality Management District

The Project is within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD Regulation XXVII currently includes three rules:

- The purpose of Rule 2700 is to define terms and post global warming potentials.
- The purpose of Rule 2701, SoCal Climate Solutions Exchange, is to establish a voluntary program to encourage, quantify, and certify voluntary, high quality certified greenhouse gas emission reductions in the SCAQMD.
- Rule 2702, Greenhouse Gas Reduction Program, was adopted on February 6, 2009. The purpose of this rule is to create a Greenhouse Gas Reduction Program for greenhouse gas emission reductions in the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

SCAQMD Threshold Development

The SCAQMD has established recommended significance thresholds for greenhouse gases for local lead agency consideration ("SCAQMD draft local agency threshold"). SCAQMD has published a five-tiered draft GHG threshold which includes a 10,000 metric ton of CO_2e per year for stationary/industrial sources and 3,000 metric tons of CO_2e per year significance threshold for residential/commercial projects (South Coast Air Quality Management District 2010c). Tier 3 is anticipated to be the primary tier by which the SCAQMD will determine significance for projects. The Tier 3 screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects. A 90-precent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to CEQA analysis. The 90-percent capture rate GHG significance screening level in Tier 3 for stationary sources was derived using the SCAQMD's annual Emissions Reporting Program.

The current draft thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether or not the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose but must be consistent. A project's construction emissions are averaged over 30 years and are added to a project's operational emissions. If a project's emissions are under one of the following screening thresholds, then the project is less than significant:
  - All land use types: 3,000 MTCO2e per year
  - Based on land use types: residential is 3,500 MTCO2e per year; commercial is 1,400 MTCO2e per year; mixed use is 3,000 MTCO2e per year; and industrial is 10,000 MTCO2e per year
- Tier 4 has the following options:
  - Option 1: Reduce emissions from business as usual by a certain percentage; this percentage is currently undefined
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: Year 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO2e/SP/year for projects and 6.6 MTCO2e/SP/year for plans;
  - Option 3, 2035 target: 3.0 MTCO2e/SP/year for projects and 4.1 MTCO2e/SP/year for plans
- Tier 5 involves mitigation offsets to achieve target significance threshold.

2.2.5 Local

WRCOG Subregional Climate Action Plan

The City of Norco is part of the Western Riverside Council of Government (WRCOG). The WRCOG adopted the WRCOG Subregional Climate Action Plan (CAP) in September 2014. Twelve cities in the subregion joined efforts to develop the Subregional CAP, which set forth a subregional emissions reduction target, emissions reduction measures, and action steps to assist each community to demonstrate consistency with California's Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32). The CAP consists of an emissions reduction target of 15% below 2010 levels by 2020, and 49% below 2010 levels by 2035. As indicated in the CAP the emission reduction target of 15% from 2010 levels equates to a GHG emissions reduction of nearly 2,330,647 metric tons below business-as-usual (BAU) conditions by 2020. In order to reach these goals, the CAP provides feasible strategies, while affording its communities other economic and environmental benefits.

Therefore, to determine whether the project's GHG emissions are significant, this analysis uses the WRCOG CAP.

The project will be subject to the latest requirements of the California Green Building and Title 24 Energy Efficiency Standards (currently 2022) which would reduce project-related greenhouse gas emissions.

3.0 Setting

3.1 Existing Physical Setting

The project site is located in the City of Norco, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

3.1.1 Local Climate and Meteorology

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the region form natural horizontal barriers to the dispersion of air contaminants. Air pollution created in the coastal areas and around the Los Angeles area is transported inland until it reaches the mountains where the combination of mountains and inversion layers generally prevent further dispersion. This poor ventilation results in a gradual degradation of air quality from the coastal areas to inland areas. Air stagnation may occur during the early evening and early morning periods of transition between day and nighttime flows. The region also experiences periods of hot, dry winds from the desert, known as Santa Ana winds. If the Santa Ana winds are strong, they can surpass the sea breeze, which blows from the ocean to the land, and carry the suspended dust and pollutants out to the ocean. If the winds are weak, they are opposed by the sea breeze and cause stagnation, resulting in high pollution events.

The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas where the project site is located. The majority of the annual rainfall in the basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thunderstorms in the coastal regions and slightly heavier showers in the eastern portion of the basin along the coastal side of the mountains. Year-to-year patterns in rainfall are unpredictable because of fluctuations in the weather.

Temperature inversions limit the vertical depth through which pollution can be mixed. Among the most common temperature inversions in the basin are radiation inversions, which form on clear winter nights when cold air off mountains sink to the valley floor while the air aloft over the valley remains warm. These inversions, in conjunction with calm winds, trap pollutants near the source. Other types of temperature inversions that affect the basin include marine, subsidence, and high-pressure inversions.

Summers are often periods of hazy visibility and occasionally unhealthful air. Strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air

pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high enough to pass over the mountains and ultimately dilute the smog cloudtrap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the basin, there is not enough traffic to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for the Riverside Fire Station 3, the nearest station with available data, are in Table 3. Table 3 shows that August is typically the warmest month and January is typically the coolest month. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table 3: Meteorological Summary

Month	Temperature (˚F)		Average Precipitation (inches)
	Average High	Average Low	
January	66.8	39.1	2.01
February	68.3	41.1	2.2
March	71.3	43.2	1.84
April	75.6	46.7	0.77
May	80	51.1	0.23
June	87	54.8	0.05
July	94.2	59.5	0.04
August	94.4	59.6	0.13
September	90.9	56.2	0.19
October	82.9	50	0.44
November	74.5	42.8	0.84
December	67.8	39.2	1.46
Annual Average	**79.5**	**48.6**	**10.21**

Notes:
[1] Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca7470

3.1.2 Local Air Quality

The SCAQMD is divided into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located in the City of Norco in the Norco/Corona Source Receptor Area (SRA 22). The nearest air monitoring station to the project site is the Riverside Rubidoux

Station approximately nine miles northwest of the site; however this location does not provide all ambient weather data. Therefore, additional data was pulled from the SCAQMD historical data for the Norco/Corona Area (Area 22) for both sulfur dioxide and carbon monoxide to provide the existing levels. Table 4 presents the monitored pollutant levels within the vicinity. However, it should be noted that due to the air monitoring station distance from the project site, recorded air pollution levels at the air monitoring station reflect with varying degrees of accuracy, local air quality conditions at the project site.

Table 4: Local Area Air Quality Levels from the Banning Monitoring Stations

Pollutant (Standard)[2]	Year		
	2022	2023	2024
Ozone:			
Maximum 1-Hour Concentration (ppm)	0.122	0.139	0.135
Days > CAAQS (0.09 ppm)	**30**	**48**	**53**
Maximum 8-Hour Concentration (ppm)	0.095	0.106	0.111
Days > NAAQS (0.07 ppm)	**70**	**69**	**98**
Days > CAAQS (0.070 ppm)	**72**	**70**	**102**
Carbon Monoxide:			
Maximum 1-Hour Concentration (ppm)	3.3	1.4	1.8
Days > NAAQS (20 ppm)	0	0	0
Maximum 8-Hour Concentration (ppm)	1.2	1.2	1.4
Days > NAAQS (9 ppm)	0.0	0.0	0
Nitrogen Dioxide:			
Maximum 1-Hour Concentration (ppm)	0.056	0.055	0.062
Days > NAAQS (0.25 ppm)	0	0	0
Sulfur Dioxide:			
Maximum 1-Hour Concentration (ppm)	6.7	3.1	2
Days > CAAQS (0.25 ppm)	*	*	*
Inhalable Particulates (PM10):			
Maximum 24-Hour Concentration (ug/m^3)	153.6	166.5	119.8
Days > NAAQS (150 ug/m^3)	0	1	0
Days > CAAQS (50 ug/m^3)	5	3	8
Annual Average (ug/m^3)	30.0	28.6	34.9
Annual > NAAQS (50 ug/m^3)	No	No	No
Annual > CAAQS (20 ug/m^3)	**Yes**	**Yes**	**Yes**
Ultra-Fine Particulates (PM2.5):			
Maximum 24-Hour Concentration (ug/m^3)	38.5	74.3	63.5
Days > NAAQS (35 ug/m^3)	**1**	**2**	**8**
Annual Average (ug/m^3)	10.8	10.6	12.4
Annual > NAAQS (15 ug/m3)	No	No	No
Annual > CAAQS (12 ug/m^3)	No	No	No

[1.] Source: obtained from https://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year and /or https://www.arb.ca.gov/adam/topfour/topfour1.php
[2] CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million
[3] No data available.

The monitoring data presented in Table 4 shows that ozone is the air pollutant of primary concern in the project area, which are detailed below.

Ozone
During the 2022 to 2024 monitoring period, the State 1-hour concentration standard for ozone has been exceeded between 30 and 53 days each year at the Riverside Rubidoux Station. The State 8-hour ozone standard has been exceeded between 70 and 102 days each year over the past three years at the Riverside Rubidoux Station. The Federal 8-hour ozone standard has been exceeded between 69 and 98 days each year over the past three years at the Riverside Rubidoux Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO_2, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of the SCAQMD contribute to the ozone levels experienced at the monitoring station, with the more significant areas being those directly upwind.

Carbon Monoxide
CO is another important pollutant that is due mainly to motor vehicles. During the 2022 to 2024 monitoring period, the Federal 1-hour and 8-hour concentration standards for CO were not exceeded.

Nitrogen Dioxide
During the 2022 to 2024 monitoring period, the Federal 1-hour concentration standard for Nitrogen Dioxide has not been exceeded.

Sulfur Dioxide
During the 2022 to 2024 monitoring period, the Federal 1-hour concentration standard for SO_2 was exceeded each year.

Particulate Matter
During the 2022 to 2024 monitoring period, the Federal 24-hour PM10 concentration standard was exceeded one day in 2023 at the Riverside Rubidoux Station. During the same time period, the State 24-hour PM10 concentration standard was exceeded between three and eight days each year at the Riverside Rubidoux Station. The Federal Annual Average PM10 concentration standard was not exceeded and the State Annual Average PM10 concentration was exceeded each year during the same period.

During the same period, the Federal 24-hour standard for PM2.5 was exceeded between one and eight days each year at the Riverside Rubidoux Station. The Federal Annual Average PM2.5 concentration standard and the State Annual Average PM2.5 concentration standard were not exceeded during the same period.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may

experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

3.1.3 Attainment Status

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard. Table 5 lists the attainment status for the criteria pollutants in the basin.

Table 5: South Coast Air Basin Attainment Status

Pollutant	Averaging Time	National Standards[1]	Attainment Date[2]	California Standards[3]
1979 1-Hour Ozone[4]	1-Hour (0.12 ppm)	Nonattainment (Extreme)	11/15/2010 (Not attained[4])	Extreme Nonattainment
1997 8-Hour Ozone[5]	8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024	Nonattainment
2008 8-Hour Ozone	8-Hour (0.075 ppm)	Nonattainment (Extreme)	12/31/2032	
2015 8-Hour Ozone	8-Hour (0.070 ppm)	Designations Pending	~2037	
CO	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (Attained)	Maintenance
NO_2[6]	1-Hour (100 ppb) Annual (0.053 ppm)	Attainment (Maintenance)	9/22/1998 (Attained)	Attainment
SO_2[7]	1-Hour (75 ppb)	Designations Pending	Pending	Attainment
	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (Attained)	
PM10	24-Hour (150 µg/m^3)	Nonattainment (Serious)[8]	12/31/2006 (Redesignation request submitted)[8]	Nonattainment
PM2.5	24-Hour (35 µg/m^3)	Nonattainment	12/31/2006 (Redesignation request submitted)[8]	Unclassified
Lead	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)[9]	12/31/2015	Nonattainment (Partial)[9]

Notes:
[1] Obtained from Draft 2012 AQMP, SCAQMD, 2012. EPA often only declares Nonattainment areas; everywhere else is listed as Unclassified/Attainment or Unclassifiable.
[2] A design value below the NAAQS for data through the full year or smog season prior to the attainment date is typically required for attainment demonstration.
[3] Obtained from http://www.arb.ca.gov/desig/adm/adm.htm.
[4] 1-hour O_3 standard (0.13 ppm) was revoked, effective June 15, 2005; however, the Basin has not attained this standard based on 2008-2010 data has some continuing obligations under the former standard.
[5] 1997 8-hour O_3 standard (0.08 ppm) was reduced (0.075 ppm), effective May 27, 2008; the 1997 O3 standard and most related implementation rules remain in place until the 1997 standard is revoked by U.S. EPA.
[6] New NO_2 1-hour standard, effective August 2, 2010; attainment designations June, 2013; annual NO_2 standard retained.
[7] The 1971 annual and 24-hour SO_2 standards were revoked, effective August 23, 2010; however, these 1971 standards will remain in effect until one year after U.S. EPA promulgates area designations for the 2010 SO_2 1-hour standard. Area designations expected in 2012, with SSAB designated Unclassifiable/Attainment.
[8] Annual PM10 standard was revoked, effective December 18, 2006; redesignation request to Attainment of the 24-hour PM10 standard is pending with U.S. EPA
[9] Partial Nonattainment designation - Los Angeles County portion of Basin only.

3.2 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO_2 and nitrous oxide (NO_2) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. Table 6 provides a description of each of the greenhouse gases and their global warming potential.

Additional information is available: https://www.arb.ca.gov/cc/inventory/data/data.htm

<Table 6 on next page>

Table 6: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (N_20),also known as laughing gas is a colorless gas. It has a lifetime of 114 years. Its global warming potential is 298.	Microbial processes in soil and water, fuel combustion, and industrial processes. In addition to agricultural sources, some industrial processes (nylon production, nitric acid production) also emit N_20.
Methane	Methane (CH_4) is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 25.	A natural source of CH_4 is from the decay of organic matter. Methane is extracted from geological deposits (natural gas fields). Other sources are from the decay of organic material in landfills, fermentation of manure, and cattle farming.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
Chlorofluorocarbons	CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). They are gases formed synthetically by replacing all hydrogen atoms in methane or methane with chlorine and/or fluorine atoms. Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone, therefore their production was stopped as required by the Montreal Protocol.
Hydrofluorocarbons	Hydrofluorocarbons (HFCs) are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons (PFCs) have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above the Earth's surface. They have a lifetime 10,000 to 50,000 years. They have a global warming potential range of 6,200 to 9,500.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Notes:
1. Sources: Intergovernmental Panel on Climate Change 2014a and Intergovernmental Panel on Climate Change 2014b. https://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-10-2.html

4.0 Modeling Parameters and Assumptions

4.1 Construction

Typical emission rates from construction activities were obtained from CalEEMod Version 2022.1.1.31 CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2021 computer program to calculate the emission rates specific for the southwestern portion of Riverside County for construction-related employee vehicle trips and the OFFROAD2017 computer program to calculate emission rates for heavy truck operations. EMFAC2021 and OFFROAD2017 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Using CalEEMod, the peak daily air pollutant emissions were calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions.

The analysis assesses the emissions associated with the construction of the proposed project as indicated in Table 1. The project was modeled to be operational in 2029 and begin construction in December 2027. The phases of the construction activities which have been analyzed below are: 1) demolition, 2) site preparation, 3) grading, 4) trenching, 5) building, and 6) architectural coating. For details on construction modeling and construction equipment for each phase, please see Appendix A.

The project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures. Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent, stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. Based on the size of the Project area (disturbance area of approximately 1.9 acres) and the fact that the project won't export more than 5,000 cubic yards of material a day a Fugitive Dust Control Plan or Large Operation Notification would not be required.

SCAQMD's Rule 403 minimum requirements require that the application of the best available dust control measures are used for all grading operations and include the application of water or other soil stabilizers in sufficient quantity to prevent the generation of visible dust plumes. Compliance with Rule 403 would require the use of water trucks during all phases where earth moving operations would occur. Compliance with Rule 403 is required.

4.2 Operations

Operational or long-term emissions occur over the life of the Project. Both mobile and area sources generate operational emissions. Area source emissions arise from consumer product usage, heaters that consume natural gas, gasoline-powered landscape equipment, and architectural coatings

(painting). Mobile source emissions from motor vehicles are the largest single long-term source of air pollutants from the operation of the Project. Small amounts of emissions would also occur from area sources such as the consumption of natural gas for heating, hearths, from landscaping emissions, and consumer product usage. The operational emissions were estimated using the latest version of CalEEMod.

Mobile Sources
Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project are based upon the trip generation rates given in the ITE trip generation manual. Per traffic analysis, as the project will be replacing existing facilities, no additional trips are anticipated to be generated from the proposed project.

Area Sources
Area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment.

Per SCAQMD Rule 1113 as amended on June 3, 2011, the architectural coatings that would be applied after January 1, 2014 will be limited to an average of 50 grams per liter or less and the CalEEMod model default was utilized as the new model takes this rule into account.

Energy Usage
2022.1.1.31 CalEEMod defaults were utilized.

4.3 Localized Construction Analysis

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (South Coast Air Quality Management District 2011b). CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily disturbance activity possible for each piece of equipment. In order to compare CalEEMod reported emissions against the localized significance threshold lookup tables, the CEQA document should contain in its project design features or its mitigation measures the following parameters:

1. The off-road equipment list (including type of equipment, horsepower, and hours of operation) assumed for the day of construction activity with maximum emissions.
2. The maximum number of acres disturbed on the peak day.
3. Any emission control devices added onto off-road equipment.
4. Specific dust suppression techniques used on the day of construction activity with maximum emissions.

The construction equipment showing the equipment associated with the maximum area of disturbance is shown in Table 7.

Table 7: Construction Equipment Assumptions[1]

Activity	Equipment	Number	Acres/8hr-day	Total Acres
Grading	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
Total Per Phase				**1.0**

Notes:
[1.] Source: South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2

As shown in Table 7, the maximum number of acres disturbed in a day would be 1.0 acres during grading. As the area of the site to be disturbed is approximately 1.9 acres, maximum daily disturbance has been assumed to be 1 acre.

The local air quality emissions from construction were analyzed using the SCAQMD's Mass Rate Localized Significant Threshold Look-up Tables and the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, revised July 2008. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. The emission thresholds were based on the Norco/Corona source receptor area (SRA 22) and a disturbance of 1 acre per day at a distance of 100 meters (328 feet). The closest receptors are located 100 meters to the south of the site.

4.4 Localized Operational Analysis

For operational emissions, the screening tables for a disturbance area of 1 acre per day, as the project is 1.9 acres, and a distance of 100 meters were used to determine significance. The tables were compared to the project's onsite operational emissions.

5.0 Thresholds of Significance

5.1 Air Quality Thresholds of Significance

5.1.1 CEQA Guidelines for Air Quality

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

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

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable national or state ambient air quality standard;

c) Expose sensitive receptors to substantial pollutant concentrations; or

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts. There are daily emission thresholds for construction and operation of a proposed project in the basin.

5.1.2 Regional Significance Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions are established for the Basin:

- 75 pounds per day (lbs/day) of VOC
- 100 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Projects in the basin with construction-related emissions that exceed any of the emission thresholds are considered to be significant under SCAQMD guidelines.

5.1.3 Regional Significance Thresholds for Operational Emissions

The daily operational emissions significance thresholds for the basin are as follows:

- 55 pounds per day (lbs/day) of VOC
- 55 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM_{10}
- 55 lbs/day of $PM_{2.5}$
- 150 lbs/day of SO_2

Local Microscale Concentration Standards The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. If ambient levels are below the standards, 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, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

5.1.4 Thresholds for Localized Significance

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the South Coast Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. The SCAQMD has also provided Final Localized Significant Threshold Methodology (LST Methodology), June 2003, which details the methodology to analyze local air emission impacts. The Localized Significant Threshold Methodology found that the primary emissions of concern are NO2, CO, PM10, and PM2.5.

The emission thresholds were calculated based on the Norco/Corona source receptor area (SRA 22) and a disturbance of 1 acre per day at a distance of 100 meters (328 feet), for construction and operational emissions.

5.2 Greenhouse Gas Thresholds of Significance

5.2.1 CEQA Guidelines for Greenhouse Gas

CEQA Guidelines define a significant effect on the environment as “a substantial, or potentially substantial, adverse change in the environment.” To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

However, despite this, currently neither the CEQA statutes, OPR guidelines, nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency. As previously discussed (Section 2.2.5 of this report), the City of Norco is a part of the WRCOG Subregional Climate Action Plan (CAP). The project has been compared to the goals of the WRCOG CAP.

6.0 Air Quality Emissions Impact

6.1 Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the onsite and offsite construction emissions. The emissions incorporate Rule 402 and 403. Rule 402 and 403 (fugitive dust) are not considered mitigation measures as the project by default is required to incorporate these rules during construction.

6.1.1 Regional Construction Emissions

The construction emissions for the project would not exceed the SCAQMD's daily emission thresholds at the regional level as demonstrated in Table 8 and therefore would be considered less than significant.

Table 8: Regional Significance - Construction Emissions (pounds/day)

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Demolition						
On-Site[2]	1.30	12.00	14.00	0.02	1.22	0.54
Off-Site[3]	0.06	0.71	0.79	0.00	0.32	0.10
Total	**1.36**	**12.71**	**14.79**	**0.02**	**1.54**	**0.64**
Site Preparation						
On-Site[2]	1.20	10.00	12.00	0.02	2.87	1.63
Off-Site[3]	0.03	0.03	0.38	0.00	0.10	0.02
Total	**1.23**	**10.03**	**12.38**	**0.02**	**2.97**	**1.65**
Grading						
On-Site[2]	1.40	12.00	14.00	0.02	3.32	1.77
Off-Site[3]	0.05	0.65	0.62	0.00	0.29	0.08
Total	**1.45**	**12.65**	**14.62**	**0.02**	**3.61**	**1.85**
Trenching						
On-Site[2]	0.16	1.20	1.40	0.00	0.04	0.04
Off-Site[3]	0.01	0.01	0.12	0.00	0.03	0.01
Total	**0.17**	**1.21**	**1.52**	**0.00**	**0.07**	**0.05**
Building Construction						
On-Site[2]	0.93	7.90	9.90	0.02	0.23	0.21
Off-Site[3]	0.14	0.52	2.12	0.00	0.54	0.14
Total	**1.07**	**8.42**	**12.02**	**0.02**	**0.77**	**0.35**
Architectural Coating						
On-Site[2]	33.10	0.79	1.10	0.00	0.01	0.01
Off-Site[3]	0.02	0.02	0.38	0.00	0.09	0.02
Total	**33.12**	**0.81**	**1.48**	**0.00**	**0.10**	**0.03**
Total of overlapping phases[4]	**34.36**	**10.44**	**15.02**	**0.02**	**0.94**	**0.43**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2022.1.1.31
[2] On-site emissions from equipment operated on-site that is not operated on public roads.
[3] Off-site emissions from equipment operated on public roads.

[4] Construction, architectural coatings and paving phases may overlap.

6.1.2 Localized Construction Emissions

The data provided in Table 9 shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

Table 9: Localized Significance – Construction

Phase	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Demolition	12.00	14.00	1.22	0.54
Site Preparation	10.00	12.00	2.87	1.63
Grading	12.00	14.00	3.32	1.77
Trenching	1.20	1.40	0.04	0.04
Building Construction	7.90	9.90	0.23	0.21
Architectural Coating	0.79	1.10	0.01	0.01
Total of overlapping phases	9.89	12.40	0.28	0.26
SCAQMD Threshold for 100 meters (328 feet) or less[2]	**211**	**1,853**	**32**	**9**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for one acre in Norco/Corona Source Receptor Area (SRA 22). Project will disturb a maximum of 1 acre per day (see Table 7).
[2] The nearest sensitive receptor is the single-family residences located 190 meters south; therefore, the 100-meter threshold has been used.

6.1.3 Odors

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected cease upon the drying or hardening of the odor producing materials. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project.

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Potential sources that may emit odors during the on-going operations of the proposed project would include odor emissions from the trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD's Rule 402 no significant impact related to odors would occur during the on-going operations of the proposed project.

6.1.4 Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the proposed project. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015 to provide a description of the algorithms, recommended exposure variates, cancer and noncancer health values, and the air modeling protocols needed to perform a health risk assessment (HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all substances that are evaluated for cancer risk and/or non-cancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic non-cancer hazard via non-inhalation routes of exposure.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed project would not result in a long-term substantial source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project.

6.2 Operational Air Quality Emissions Impact

6.2.1 Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of CalEEMod model. The operating emissions were based on year 2029. The summer and winter emissions created by the proposed project's long-term operations were calculated and the highest emissions from either summer or winter are summarized in Table 10.

Table 10: Regional Significance - Unmitigated Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	**NOx**	**CO**	**SO2**	**PM10**	**PM2.5**
Area Sources[2]	2.40	0.03	3.40	0.00	0.01	0.00
Energy Usage[3]	0.05	0.89	0.75	0.01	0.07	0.07
Mobile Sources[4]	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions	**2.45**	**0.92**	**4.15**	**0.01**	**0.08**	**0.07**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Source: CalEEMod Version 2022.1.1.31
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust. As the project would be replacing existing facilities, no additional trips are anticipated to be generated by the project.

Table 10 provides the Project's unmitigated operational emissions. Table 10 shows that the Project does not exceed the SCAQMD daily emission threshold and regional operational emissions are considered to be less than significant.

6.2.2 Localized Operational Emissions

Table 11 shows the calculated emissions for the proposed operational activities compared with appropriate LSTs. The LST analysis only includes on-site sources; however, the CalEEMod software outputs do not separate on-site and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions shown in Table 11 include all on-site project-related stationary sources and 10% of the project-related new mobile sources. This percentage is an estimate of the amount of project-related new vehicle traffic that will occur on-site.

Table 11: Localized Significance – Unmitigated Operational Emissions

On-Site Emission Source	On-Site Pollutant Emissions (pounds/day)[1]			
	NOx	**CO**	**PM10**	**PM2.5**
Area Sources[2]	0.03	3.40	0.01	0.00
Energy Usage[3]	0.89	0.75	0.07	0.07
On-Site Vehicle Emissions[4]	0.00	0.00	0.00	0.00
Total Emissions	**0.92**	**4.15**	**0.08**	**0.07**
SCAQMD Threshold for 100 meters (328 feet)[5]	**211**	**1,853**	**8**	**3**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for one acre in Norco/Corona Source Receptor Area (SRA 22). Project will be approximately 1.9 acres.
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from generation of electricity and on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust. As the project would be replacing existing facilities, no additional trips are anticipated to be generated by the project.
[5] The nearest sensitive receptor is the single-family residences located 190 meters south; therefore, the 100-meter threshold has been used.

Table 11 indicates that the local operational emission would not exceed the LST thresholds at the nearest sensitive receptors, located adjacent to the project. Therefore, the project will not result in significant Localized Operational emissions.

6.3 CO Hot Spot Emissions

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards which were presented in above in Section 5.0.

To determine if the proposed project could cause emission levels in excess of the CO standards discussed above in Section 5.0, a sensitivity analysis is typically conducted to determine the potential for CO "hot spots" at a number of intersections in the general project vicinity. Because of reduced

speeds and vehicle queuing, "hot spots" potentially can occur at high traffic volume intersections with a Level of Service E or worse.

Micro-scale air quality emissions have traditionally been analyzed in environmental documents where the air basin was a non-attainment area for CO. However, the SCAQMD has demonstrated in the CO attainment redesignation request to EPA that there are no "hot spots" anywhere in the air basin, even at intersections with much higher volumes, much worse congestion, and much higher background CO levels than anywhere in Riverside County. If the worst-case intersections in the air basin have no "hot spot" potential, any local impacts will be below thresholds.

The traffic analysis states that no additional trips are anticipated to be generated by the project. The 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan) showed that an intersection which has a daily traffic volume of approximately 100,000 vehicles per day would not violate the CO standard. The volume of traffic at project buildout would be well below 100,000 vehicles and below the necessary volume to even get close to causing a violation of the CO standard. Therefore no CO "hot spot" modeling was performed and no significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

6.4 Cumulative Regional Air Quality Impacts

Cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would extend beyond any local projects and when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the project's air quality must be generic by nature.

The Project area is out of attainment for both ozone and PM10 particulate matter. Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the South Coast Air Basin. The greatest cumulative impact on the quality of regional air cell will be the incremental addition of pollutants mainly from increased traffic from residential, commercial, and industrial development and the use of heavy equipment and trucks associated with the construction of these projects. Air quality will be temporarily degraded during construction activities that occur separately or simultaneously. However, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The Project does not exceed any of the thresholds of significance and therefore is considered less than significant.

6.5 Air Quality Compliance

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and Regional Plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD Air Quality Management Plan (AQMP). Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2020 or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

A. Criterion 1 - Increase in the Frequency or Severity of Violations

Based on the air quality modeling analysis contained in this Air Analysis, short-term construction impacts will not result in significant impacts based on the SCAQMD regional and local thresholds of significance. This Air Analysis also found that, long-term operations impacts would not result in significant impacts based on the SCAQMD regional thresholds of significance.

Therefore, the proposed Project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

B. Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The 2020-2045 Regional Transportation/Sustainable Communities Strategy, prepared by SCAG, 2020, includes chapters on: the challenges in a changing region, creating a plan for our future, and the road to greater mobility and sustainable growth. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA. For this project, the City of Norco Land Use Plans define the assumptions that are represented in the AQMP.

The proposed project would be replacing existing facilities on campus. Therefore, the proposed project would not result in an inconsistency with the land use designation in the City's General Plan.

Therefore, the proposed project is not anticipated to exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed Project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur.

7.0 Greenhouse Gas Impact Analysis

7.1 Construction Greenhouse Gas Emissions Impact

The greenhouse gas emissions from project construction equipment and worker vehicles are shown in Table 12. The emissions are from all phases of construction. The total construction emissions amortized over a period of 30 years are estimated at 15.87 metric tons of CO_2e per year. Annual CalEEMod output calculations are provided in Appendix A.

Table 12: Construction Greenhouse Gas Emissions[1]

Year	Emissions ($MTCO_2e$)[2]
2027	31.00
2028	291.00
2029	154.00
Total	476.00
Averaged over 30 years[2]	15.87

Notes:
[1] Source: CalEEMod Version 2022.1.1.31
[2] MTCO2e=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane and nitrous oxide).
[3] The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD.

7.2 Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. The operational emissions for the project are 402.82 metric tons of CO_2e per year (see Table 13). These emissions do not exceed the County of Riverside CAP Update and SCAQMD screening threshold of 3,000 metric tons of CO_2e per year. Therefore, the project's GHG emissions are considered to be less than significant.

Table 13: Opening Year Unmitigated Project-Related Greenhouse Gas Emissions

	Greenhouse Gas Emissions (Metric Tons/Year)[1]						
Category	**Bio-CO2**	**NonBio-CO_2**	**CO_2**	**CH_4**	**N_2O**	**R**	**CO_2e**
Area Sources[2]	0.00	1.60	1.60	0.00	0.00	0.00	1.60
Energy Usage[3]	0.00	355.00	355.00	0.03	0.00	0.00	356.00
Mobile Sources[4]	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid Waste[5]	6.40	0.00	6.40	0.64	0.00	0.00	22.00
Water[6]	0.77	4.00	4.77	0.08	0.00	0.00	7.30
Refrigeration	0.00	0.00	0.00	0.00	0.00	0.05	0.05
Construction[7]	0.00	15.73	15.73	0.00	0.00	0.00	15.87
Total Emissions	7.17	376.33	383.50	0.75	0.00	0.05	**402.82**
County of Riverside CAP and SCAQMD Draft Screening Threshold							**3,000**
Exceeds Threshold?							**No**

Notes:
[1] Source: CalEEMod Version 2022.1.1.31
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.
[3] Energy usage consist of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles. As the project would be replacing existing facilities, no additional trips are anticipated to be generated by the project.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30-year amortization rate.

7.3 Greenhouse Gas Plan Consistency

The proposed project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs. The City of Norco is participating the Western Riverside Council of Governments (WRCOG) Subregional Climate Action Plan. The WRCOG Subregional CAP establishes a community-wide emissions reduction target of 15% below 2010, following guidance from CARB and the Governor's Office of Planning and Research. CARB and the California Attorney General have determined this approach to be consistent with the state-wide AB 32 goal of reducing emissions to 1990 levels.

As shown in Table 14, the project is consistent with applicable local reduction measures identified in the WRCOG Subregional CAP and would result in a less than significant impact.

CARB Scoping Plan Consistency

The ARB Board approved a Climate Change Scoping Plan in December 2008. The Scoping Plan outlines the State's strategy to achieve the 2020 greenhouse gas emissions limit. The Scoping Plan "proposes a comprehensive set of actions designed to reduce overall greenhouse gas emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (California Air Resources Board 2008). The measures in the Scoping Plan have been in place since 2012.

This Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of 14 tons of carbon dioxide for every man, woman and child in California down to about 10 tons per person by 2020.

In May 2014, CARB released its *First Update to the Climate Change Scoping Plan* (CARB 2014). This *Update* identifies the next steps for California's leadership on climate change. While California continues on its path to meet the near-term 2020 greenhouse gas limit, it must also set a clear path toward long-term, deep GHG emission reductions. This report highlights California's success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050.

In November 2017, CARB release the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals, and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in

a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and Trade Program, which constrains and reduces emissions at covered sources.

As the latest, 2022 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in Table 15. As shown in Table 15, the project is consistent with the applicable strategies and would result in a less than significant impact.

Therefore, the project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Furthermore, the project will also comply with applicable Green Building Standards and City of Norco's policies regarding sustainability (as dictated by the City's General Plan). With incorporation of regulatory compliance and credit for reductions due to CAPCOA location-based efficiency measures, impacts are considered to be less than significant, further analysis is not warranted.

Table 14: Applicable WRCOG Subregional CAP Local Reduction Measure Project Comparison[1]

WRCOG Local Reduction Measure	Measure Description	Project Compliance with Measure
E-1: Energy Action Plan	Improve municipal and community wide energy efficiency and reduce energy consumption through the adoption of local Energy Action Plans (EAP).	Not directly applicable to the project; however, the project will be compliant with the current Title 24 standards.
E-3: Shade Trees	Strategically plant trees to reduce the urban heat island effect.	The proposed project is to include trees per City requirements for new developments.
T-2: Bicycle Parking	Provide additional options for bicycle parking.	The proposed project will follow City requirements for bicycle parking.
T-8: Density	Improve jobs-housing balance and reduce vehicle miles traveled by increasing household and employment densities.	Consistent. The proposed project is replacing existing facilities on campus and would not generate additional trips.
T-10: Design/Site Planning	Design neighborhoods and sites to reduce VMT.	Consistent. The proposed project is replacing existing facilities on campus and would not generate additional trips.
T-14: Voluntary Transportation Demand Management	Reduce demand for roadway travel through incentives for alternative modes of transportation and disincentives for driving	Consistent. The proposed project is replacing existing facilities on campus and would not generate additional trips.

WRCOG Local Reduction Measure	Measure Description	Project Compliance with Measure
SW-1: Yard Waste Collection	Provide green waste collection bins community-wide.	The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
SW-2: Food Scrap and Paper Division	Divert food and paper waste from landfills by implementing collection system.	The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.

[1] Source: WRCOG Subregional Climate Action Plan (2014).

Table 15: Project Consistency with CARB Scoping Plan Policies and Measures[1]

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	Consistent. The project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Consistent. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The project will be subject to these mandatory standards.

High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	Consistent. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	Consistent. The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	Consistent. The project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	Consistent. The project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	Consistent. The project will be required to comply with City programs, such as City's recycling and waste reduction program, which comply, with the 75 percent reduction required by 2020 per AB 341.

2022 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	Project Compliance with Recommended Action
Deploy ZEVs and reduce driving demand	Consistent. The project would replace existing facilities on campus and would not affect the driving demand for the area.
Coordinate supply of liquid fossil fuels with declining California fuel demand	Consistent. The project will be compliant with the current Title 24 standards.
Generate clean electricity	Consistent. The project will be compliant with the current Title 24 standards and would not interfere with clean energy generation.
Decarbonize industrial energy supply	Consistent. The project will be compliant with the current Title 24 standards and would be educational, therefore would not interfere with this goal.
Decarbonize buildings	Consistent. The project will be compliant with the current Title 24 standards.
Reduce non-combustion emissions	Consistent. The project will be compliant with the current Title 24 standards.

Notes:
[1] Source: CARB Scoping Plan (2008, 2017, and 2022)

8.0 Energy Analysis

Information from the CalEEMod 2022.1.1.31 Daily and Annual Outputs contained in the air quality and greenhouse gas analyses above was utilized for this analysis. The CalEEMod outputs detail project related construction equipment, transportation energy demands, and facility energy demands.

8.1 Construction Energy Demand

8.1.1 Construction Equipment Electricity Usage Estimates

Electrical service will be provided by Southern California Edison (SCE). Based on the 2017 National Construction Estimator, Richard Pray (2017)[1], the typical power cost per 1,000 square feet of building construction per month is estimated to be $2.32. The project plans to develop the site with 77,430 square feet of new space over the course of approximately 17 months. Based on Table 16, the total power cost of the on-site electricity usage during the construction of the proposed project is estimated to be approximately $3,054. As shown in Table 16, the total electricity usage from Project construction related activities is estimated to be approximately 55,524 kWh.[2]

Table 16: Project Construction Power Cost and Electricity Usage

Power Cost (per 1,000 square foot of building per month of construction)	Total Building Size (1,000 Square Foot)[1]	Construction Duration (months)	Total Project Construction Power Cost
$2.32	77.430	17	$3,053.84

Cost per kWh	Total Project Construction Electricity Usage (kWh)
$0.06	55,524

* Assumes the project will be under the GS-1 General Service rate under SCE.

[1] Pray, Richard. 2017 National Construction Estimator. Carlsbad: Craftsman Book Company, 2017.
[2] LADWP's Small Commercial & Multi-Family Service (A-1) is approximately $0.06 per kWh of electricity Southern California Edison (SCE). Rates & Pricing Choices: General Service/Industrial Rates. https://library.sce.com/content/dam/sce-doclib/public/regulatory/historical/electric/2020/schedules/general-service-&-industrial-rates/ELECTRIC_SCHEDULES_GS-1_2020.pdf

8.1.2 Construction Equipment Fuel Estimates

Using the CalEEMod data input, the project's construction phase would consume electricity and fossil fuels as a single energy demand, that is, once construction is completed their use would cease. CARB's 2017 Emissions Factors Tables show that on average aggregate fuel consumption (gasoline and diesel fuel) would be approximately 18.5 hp-hr-gal.[3] As presented in Table 17 below, project construction activities would consume an estimated 34,037 gallons of diesel fuel.

Table 17: Construction Equipment Fuel Consumption Estimates

Phase	Number of Days	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	HP hrs/ day	Total Fuel Consumption (gal diesel fuel)[1]
Demolition	20	Concrete/Industrial Saws	1	8	33	0.73	193	208
	20	Rubber Tired Dozers	1	8	367	0.4	1,174	1,270
	20	Tractors/Loaders/Backhoes	3	8	84	0.37	746	806
Site Preparation	20	Graders	1	8	148	0.41	485	525
	20	Rubber Tired Dozers	1	7	367	0.4	1,028	1,111
	20	Tractors/Loaders/Backhoes	1	8	84	0.37	249	269
Grading	30	Graders	1	8	148	0.41	485	787
	30	Rubber Tired Dozers	1	8	367	0.4	1,174	1,904
	30	Tractors/Loaders/Backhoes	2	7	84	0.37	435	706
Trenching	20	Trenchers	1	8	40	0.5	160	173
Building Construction	322	Cranes	1	6	367	0.29	639	11,115
	322	Forklifts	1	6	82	0.2	98	1,713
	322	Generator Sets	1	8	14	0.74	83	1,443
	322	Welders	3	8	46	0.45	497	8,647
	322	Tractors/Loaders/Backhoes	1	6	84	0.37	186	3,246
Architectural Coating	20	Air Compressors	1	6	37	0.48	107	115
CONSTRUCTION FUEL DEMAND (gallons of diesel fuel)								**34,037**

Notes:
[1]Using Carl Moyer Guidelines Table D-21 Fuel consumption rate factors (bhp-hr/gal) for engines less than 750 hp.
(Source: https://www.arb.ca.gov/msprog/moyer/guidelines/2017gl/2017_gl_appendix_d.pdf)

[3] Aggregate fuel consumption rate for all equipment was estimated at 18.5 hp-hr/day (from CARB's 2017 Emissions Factors Tables and fuel consumption rate factors as shown in Table D-21 of the Moyer Guidelines: (https://www.arb.ca.gov/msprog/moyer/guidelines/2017gl/2017_gl_appendix_d.pdf).

8.1.3 Construction Worker Fuel Estimates

It is assumed that all construction worker trips are from light duty autos (LDA) along area roadways. With respect to estimated VMT, the construction worker trips would generate an estimated 201,021 VMT. Vehicle fuel efficiencies for construction workers were estimated in the air quality and greenhouse gas analysis using information generated using CARB's EMFAC model (see Appendix B for details). Table 18 shows that an estimated 7,658 gallons of fuel would be consumed for construction worker trips.

Table 18: Construction Worker Fuel Consumption Estimates

Phase	Number of Days	Worker Trips/Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Demolition	20	13.0	18.5	4,810	26.25	183
Site Preparation	20	7.5	18.5	2,775	26.25	106
Grading	30	8.3	18.5	4,607	26.25	175
Trenching	20	2.5	18.5	925	26.25	35
Building Construction	322	33.0	18.5	196,581	26.25	7,489
Architectural Coating	20	6.5	18.5	2,405	26.25	92
Total Construction Worker Fuel Consumption						**8,080**

Notes:
[1]Assumptions for the worker trip length and vehicle miles traveled are consistent with CalEEMod 2022.1.1.31 defaults.

8.1.4 Construction Vendor/Hauling Fuel Estimates

Tables 19 and 20 show the estimated fuel consumption for vendor and hauling during building construction and architectural coating. With respect to estimated VMT, the vendor and hauling trips would generate an estimated 51,157 VMT. For the architectural coatings it is assumed that the contractors would be responsible for bringing coatings and equipment with them in their light duty vehicles. Tables 19 and 20 show that an estimated 6,928 gallons of fuel would be consumed for vendor and hauling trips.

Table 19: Construction Vendor Fuel Consumption Estimates (MHD Trucks)[1]

Phase	Number of Days	Vendor Trips/Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Demolition	20	0	10.2	0	7.62	0
Site Preparation	20	0	10.2	0	7.62	0
Grading	30	0	10.2	0	7.62	0
Trenching	20	0	10.2	0	7.62	0
Building Construction	322	13.0	10.2	42,697	7.62	5,604
Architectural Coating	20	0	10.2	0	7.62	0
Total Vendor Fuel Consumption						**5,604**

Notes:
[1] Assumptions for the vendor trip length and vehicle miles traveled are consistent with CalEEMod 2022.1.1.31 defaults.

Table 20: Construction Hauling Fuel Consumption Estimates (HHD Trucks)[1]

Phase	Number of Days	Hauling Trips/Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Demolition	20	8.7	20	3,480	6.39	545
Site Preparation	20	0	20	0	6.39	0
Grading	30	8.3	20	4,980	6.39	779
Trenching	20	0	20	0	6.39	0
Building Construction	322	0	20	0	6.39	0
Architectural Coating	20	0	20	0	6.39	0
Total Construction Hauling Fuel Consumption						**1,324**

Notes:
[1]Assumptions for the hauling trip length and vehicle miles traveled are consistent with CalEEMod 2022.1.1.31 defaults.

8.1.5 Construction Energy Efficiency/Conservation Measures

Construction equipment used over the approximately 17-month construction phase would conform to CARB regulations and California emissions standards and is evidence of related fuel efficiencies. In addition, the CARB Airborne Toxic Control Measure limits idling times of construction vehicles to no more than five minutes, thereby minimizing unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Furthermore, the project has been designed in compliance with California's Energy Efficiency Standards and 2022 CALGreen Standards.

Construction of the proposed development would require the typical use of energy resources. There are no unusual project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

8.2 Operational Energy Demand

Energy consumption in support of or related to project operations would include transportation energy demands (energy consumed by employee and patron vehicles accessing the project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

8.2.1 Transportation Fuel Consumption

The largest source of operational energy use would typically be vehicle operation of customers. However, as the project would be replacing existing facilities on campus, the project would not be

generating additional vehicle trips per the traffic analysis for the project and would therefore have no additional transportation fuel consumption.

8.2.2 Facility Energy Demands (Electricity and Natural Gas)

The annual natural gas and electricity demands were provided per the CalEEMod output and are provided in Table 21.

Table 21: Project Unmitigated Annual Operational Energy Demand Summary[1]

Natural Gas Demand	kBTU/year
Library	3,325,644
Total	3,325,644
Electricity Demand	**kWh/year**
Library	740,933
Total	740,933

Notes:
[1]Taken from the CalEEMod 2022.1.1.31 annual output.

As shown in Table 21, the estimated electricity demand for the proposed project is approximately 740,933 kWh per year. In 2022, the non-residential sector of the County of Riverside consumed approximately 8,720 million kWh of electricity.[4] In addition, the estimated natural gas consumption for the proposed project is approximately 3,325,644 kBTU per year. In 2022, the non-residential sector of the County of Riverside consumed approximately 147 million therms of gas.[5] Therefore, the increase in both electricity and natural gas demand from the proposed project is insignificant compared to the County's 2022 demand.

8.3 Renewable Energy and Energy Efficiency Plan Consistency

Regarding federal transportation regulations, the project site is located in an already developed area. Access to/from the project site is from existing roads. These roads are already in place so the project would not interfere with, nor otherwise obstruct intermodal transportation plans or projects that may be proposed pursuant to the ISTEA because SCAG is not planning for intermodal facilities in the project area.

Regarding the State's Energy Plan and compliance with Title 24 CCR energy efficiency standards, the applicant is required to comply with the California Green Building Standard Code requirements for energy efficient buildings and appliances as well as utility energy efficiency programs implemented by the SCE and Southern California Gas Company.

[4] California Energy Commission, Electricity Consumption by County. https://ecdms.energy.ca.gov/elecbycounty.aspx
[5] California Energy Commission, Gas Consumption by County. http://ecdms.energy.ca.gov/gasbycounty.aspx

Regarding the State's Renewable Energy Portfolio Standards, the project would be required to meet or exceed the energy standards established in the California Green Building Standards Code, Title 24, Part 11 (CALGreen). CalGreen Standards require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials.

9.0 References

The following references were used in the preparing this analysis.

California Air Pollution Control Officers Association
2009 Health Risk Assessments for Proposed Land Use Projects

California Air Resources Board
2008 Resolution 08-43

2008 Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

2008 Climate Change Scoping Plan, a framework for change.

2011 Supplement to the AB 32 Scoping Plan Functional Equivalent Document

2013 Revised Emission Factors for Gasoline Marketing Operations at California Gasoline Dispensing Facilities

2014 First Update to the Climate Change Scoping Plan, Building on the Framework Pursuant to AB32, the California Global Warming Solutions Act of 2006. May.

2018 Historical Air Quality, Top 4 Summary

County of Riverside
2015 County of Riverside General Plan. December 8.

Governor's Office of Planning and Research
2008 CEQA and Climate: Addressing Climate Change Through California Environmental Quality Act (CEQA) Review

2009 CEQA Guideline Sections to be Added or Amended

Office of Environmental Health Hazard Assessment
2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District
1993 CEQA Air Quality Handbook

2005 Rule 403 Fugitive Dust

2007 2007 Air Quality Management Plan

2008 Final Localized Significance Threshold Methodology, Revised

2011 Appendix A Calculation Details for CalEEMod

2012 Final 2012 Air Quality Management Plan

2016 Final 2016 Air Quality Management Plan

Appendix A:

CalEEMod Emission Output

Norco Library Learning Resource Center (LLRC) Project Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norco Library Learning Resource Center (LLRC) Project
Construction Start Date	12/1/2027
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	Student Services, 2001 Third St, Norco, CA 92860, USA
County	Riverside-South Coast
City	Norco
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5443
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Library	77	1000sqft	1.8	77,430	2,000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33	8.4	12	0.02	0.24	0.53	0.77	0.22	0.13	0.35	—	2,600	2,600	0.08	0.09	2.1	2,630
Mit.	33	4.8	13	0.02	0.07	0.53	0.60	0.07	0.13	0.20	—	2,600	2,600	0.08	0.09	2.1	2,630
% Reduced	< 0.5%	43%	-9%	—	71%	—	22%	70%	—	44%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.4	13	15	0.03	0.53	3.0	3.6	0.49	1.4	1.9	—	3,224	3,224	0.11	0.12	0.05	3,262
Mit.	0.42	4.8	15	0.03	0.07	3.0	3.1	0.07	1.4	1.5	—	3,224	3,224	0.11	0.12	0.05	3,262
% Reduced	70%	63%	-1%	—	87%	—	13%	87%	—	23%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.3	6.0	8.0	0.02	0.19	0.66	0.85	0.18	0.24	0.42	—	1,738	1,738	0.06	0.06	0.53	1,756
Mit.	2.1	2.8	8.7	0.02	0.04	0.66	0.70	0.04	0.24	0.29	—	1,738	1,738	0.06	0.06	0.53	1,756
% Reduced	9%	53%	-8%	—	78%	—	18%	77%	—	32%	—	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.43	1.1	1.5	< 0.005	0.04	0.12	0.16	0.03	0.04	0.08	—	288	288	0.01	0.01	0.09	291
Mit.	0.39	0.51	1.6	< 0.005	0.01	0.12	0.13	0.01	0.04	0.05	—	288	288	0.01	0.01	0.09	291
% Reduced	9%	53%	-8%	—	78%	—	18%	77%	—	32%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.1	8.4	12	0.02	0.24	0.53	0.77	0.22	0.13	0.35	—	2,600	2,600	0.08	0.09	2.1	2,630
2029	33	8.1	12	0.02	0.22	0.53	0.75	0.20	0.13	0.33	—	2,582	2,582	0.08	0.08	1.9	2,611
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.4	13	15	0.03	0.48	2.5	3.0	0.44	1.2	1.6	—	3,224	3,224	0.11	0.12	0.04	3,262
2028	1.4	12	15	0.03	0.53	3.0	3.6	0.49	1.4	1.9	—	3,120	3,120	0.11	0.11	0.05	3,156
2029	1.0	8.1	11	0.02	0.22	0.53	0.75	0.20	0.13	0.33	—	2,549	2,549	0.08	0.08	0.05	2,576
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.08	0.76	0.88	< 0.005	0.03	0.07	0.10	0.03	0.02	0.04	—	185	185	0.01	0.01	0.04	187
2028	0.74	6.0	8.0	0.02	0.19	0.66	0.85	0.18	0.24	0.42	—	1,738	1,738	0.06	0.06	0.53	1,756
2029	2.3	2.9	4.2	0.01	0.08	0.19	0.27	0.07	0.05	0.12	—	922	922	0.03	0.03	0.29	932
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01	0.14	0.16	< 0.005	0.01	0.01	0.02	< 0.005	< 0.005	0.01	—	31	31	< 0.005	< 0.005	0.01	31
2028	0.14	1.1	1.5	< 0.005	0.04	0.12	0.16	0.03	0.04	0.08	—	288	288	0.01	0.01	0.09	291
2029	0.43	0.54	0.76	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	153	153	0.01	< 0.005	0.05	154

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.43	4.8	13	0.02	0.07	0.53	0.60	0.07	0.13	0.20	—	2,600	2,600	0.08	0.09	2.1	2,630
2029	33	4.8	13	0.02	0.07	0.53	0.60	0.07	0.13	0.19	—	2,582	2,582	0.08	0.08	1.9	2,611
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.31	3.0	15	0.03	0.06	2.5	2.6	0.06	1.2	1.2	—	3,224	3,224	0.11	0.12	0.04	3,262
2028	0.42	4.8	15	0.03	0.07	3.0	3.1	0.07	1.4	1.5	—	3,120	3,120	0.11	0.11	0.05	3,156
2029	0.41	4.8	13	0.02	0.07	0.53	0.60	0.07	0.13	0.19	—	2,549	2,549	0.08	0.08	0.05	2,576
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02	0.17	0.89	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	185	185	0.01	0.01	0.04	187
2028	0.26	2.8	8.7	0.02	0.04	0.66	0.70	0.04	0.24	0.29	—	1,738	1,738	0.06	0.06	0.53	1,756
2029	2.1	1.8	4.6	0.01	0.02	0.19	0.22	0.02	0.05	0.07	—	922	922	0.03	0.03	0.29	932
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	< 0.005	0.03	0.16	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.01	31
2028	0.05	0.51	1.6	< 0.005	0.01	0.12	0.13	0.01	0.04	0.05	—	288	288	0.01	0.01	0.09	291
2029	0.39	0.32	0.83	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	153	153	0.01	< 0.005	0.05	154

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.5	0.92	4.1	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,184	2,227	4.5	0.02	0.30	2,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.9	0.89	0.75	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,170	2,213	4.5	0.02	0.30	2,332
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.3	0.91	3.1	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,179	2,223	4.5	0.02	0.30	2,341
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.42	0.17	0.56	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	7.1	361	368	0.74	< 0.005	0.05	388

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.4	0.03	3.4	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Energy	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	2,146	2,146	0.16	0.01	—	2,153
Water	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Waste	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	2.5	0.92	4.1	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,184	2,227	4.5	0.02	0.30	2,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	2,146	2,146	0.16	0.01	—	2,153
Water	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Waste	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	1.9	0.89	0.75	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,170	2,213	4.5	0.02	0.30	2,332
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.2	0.02	2.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.5	9.5	< 0.005	< 0.005	—	9.5
Energy	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	2,146	2,146	0.16	0.01	—	2,153
Water	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Waste	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	2.3	0.91	3.1	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,179	2,223	4.5	0.02	0.30	2,341
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.41	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.6	1.6	< 0.005	< 0.005	—	1.6
Energy	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	355	355	0.03	< 0.005	—	356
Water	—	—	—	—	—	—	—	—	—	—	0.77	4.0	4.8	0.08	< 0.005	—	7.3
Waste	—	—	—	—	—	—	—	—	—	—	6.4	0.00	6.4	0.64	0.00	—	22
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	0.42	0.17	0.56	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	7.1	361	368	0.74	< 0.005	0.05	388

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.4	0.03	3.4	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Energy	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	2,146	2,146	0.16	0.01	—	2,153
Water	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Waste	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	2.5	0.92	4.1	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,184	2,227	4.5	0.02	0.30	2,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	2,146	2,146	0.16	0.01	—	2,153
Water	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Waste	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	1.9	0.89	0.75	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,170	2,213	4.5	0.02	0.30	2,332
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.2	0.02	2.3	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.5	9.5	< 0.005	< 0.005	—	9.5
Energy	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	2,146	2,146	0.16	0.01	—	2,153
Water	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Waste	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	2.3	0.91	3.1	0.01	0.07	0.00	0.07	0.07	0.00	0.07	43	2,179	2,223	4.5	0.02	0.30	2,341
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.41	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.6	1.6	< 0.005	< 0.005	—	1.6

Energy	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	355	355	0.03	< 0.005	—	356
Water	—	—	—	—	—	—	—	—	—	—	0.77	4.0	4.8	0.08	< 0.005	—	7.3
Waste	—	—	—	—	—	—	—	—	—	—	6.4	0.00	6.4	0.64	0.00	—	22
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	0.42	0.17	0.56	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	7.1	361	368	0.74	< 0.005	0.05	388

3. Construction Emissions Details

3.1. Demolition (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.3	12	14	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.68	0.79	< 0.005	0.03	—	0.03	0.02	—	0.02	—	137	137	0.01	< 0.005	—	137
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23	23	< 0.005	< 0.005	—	23
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.63	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	156	156	< 0.005	0.01	0.01	157
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.66	0.16	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	575	575	0.01	0.09	0.03	602
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.6	8.6	< 0.005	< 0.005	0.01	8.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.2	5.2	< 0.005	< 0.005	< 0.005	5.5

3.2. Demolition (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.3	15	0.02	0.05	—	0.05	0.05	—	0.05	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	137	137	0.01	< 0.005	—	137
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23	23	< 0.005	< 0.005	—	23
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.63	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	156	156	< 0.005	0.01	0.01	157

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.66	0.16	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	575	575	0.01	0.09	0.03	602
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.6	8.6	< 0.005	< 0.005	0.01	8.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.2	5.2	< 0.005	< 0.005	< 0.005	5.5

3.3. Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	10	12	0.02	0.47	—	0.47	0.43	—	0.43	—	2,065	2,065	0.08	0.02	—	2,072
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.1	8.1	< 0.005	< 0.005	—	8.1
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.38	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93	93	< 0.005	< 0.005	0.01	94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.0	12	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.1	8.1	< 0.005	< 0.005	—	8.1
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.38	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93	93	< 0.005	< 0.005	0.01	94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Site Preparation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	10	12	0.02	0.45	—	0.45	0.42	—	0.42	—	2,066	2,066	0.08	0.02	—	2,073
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17	17	< 0.005	< 0.005	—	17
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.35	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92	92	< 0.005	< 0.005	0.01	93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	0.01	4.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Site Preparation (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.0	12	0.02	0.04	—	0.04	0.04	—	0.04	—	2,066	2,066	0.08	0.02	—	2,073
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17	17	< 0.005	< 0.005	—	17
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.35	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92	92	< 0.005	< 0.005	0.01	93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	0.01	4.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.4	12	14	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	2.8	2.8	—	1.3	1.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.97	1.1	< 0.005	0.04	—	0.04	0.04	—	0.04	—	202	202	0.01	< 0.005	—	203
Dust From Material Movement	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33	33	< 0.005	< 0.005	—	34
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	0.01	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.61	0.15	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	541	541	0.01	0.09	0.03	567
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.01	10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44	44	< 0.005	0.01	0.03	47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.4	7.4	< 0.005	< 0.005	0.01	7.7

3.8. Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.2	14	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	2.8	2.8	—	1.3	1.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.10	1.2	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	203
Dust From Material Movement	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33	33	< 0.005	< 0.005	—	34
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	0.01	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.61	0.15	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	541	541	0.01	0.09	0.03	567
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.01	10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44	44	< 0.005	0.01	0.03	47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.4	7.4	< 0.005	< 0.005	0.01	7.7

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	7.9	9.9	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	7.9	9.9	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.2	5.2	0.01	0.12	—	0.12	0.11	—	0.11	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.76	0.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	158	158	0.01	< 0.005	—	158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	2.0	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	432	432	0.01	0.02	1.2	438
Vendor	0.01	0.37	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	367	367	0.01	0.06	0.87	384
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.5	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	397	397	0.01	0.02	0.03	402
Vendor	0.01	0.39	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	367	367	0.01	0.06	0.02	384
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	213	213	< 0.005	0.01	0.28	215

Vendor	< 0.005	0.21	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	194	194	< 0.005	0.03	0.20	203
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35	35	< 0.005	< 0.005	0.05	36
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	< 0.005	0.03	34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	2.3	5.8	0.01	0.03	—	0.03	0.03	—	0.03	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.42	1.1	< 0.005	0.01	—	0.01	0.01	—	0.01	—	158	158	0.01	< 0.005	—	158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	2.0	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	432	432	0.01	0.02	1.2	438
Vendor	0.01	0.37	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	367	367	0.01	0.06	0.87	384
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.5	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	397	397	0.01	0.02	0.03	402
Vendor	0.01	0.39	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	367	367	0.01	0.06	0.02	384
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	213	213	< 0.005	0.01	0.28	215
Vendor	< 0.005	0.21	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	194	194	< 0.005	0.03	0.20	203
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35	35	< 0.005	< 0.005	0.05	36
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	< 0.005	0.03	34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	7.6	9.8	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	7.6	9.8	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.7	3.5	0.01	0.07	—	0.07	0.07	—	0.07	—	641	641	0.03	0.01	—	644
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.50	0.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	< 0.005	< 0.005	—	107
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	1.9	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	424	424	< 0.005	0.02	1.1	430
Vendor	0.01	0.36	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	357	357	0.01	0.05	0.78	374
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.11	1.4	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	390	390	0.01	0.02	0.03	395
Vendor	0.01	0.37	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	357	357	0.01	0.05	0.02	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	141	141	< 0.005	0.01	0.17	143
Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	127	127	< 0.005	0.02	0.12	133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23	23	< 0.005	< 0.005	0.03	24
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21	21	< 0.005	< 0.005	0.02	22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.5	3.9	0.01	0.02	—	0.02	0.02	—	0.02	—	641	641	0.03	0.01	—	644
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.28	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	106	106	< 0.005	< 0.005	—	107
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	1.9	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	424	424	< 0.005	0.02	1.1	430
Vendor	0.01	0.36	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	357	357	0.01	0.05	0.78	374
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.11	1.4	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	390	390	0.01	0.02	0.03	395
Vendor	0.01	0.37	0.12	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	357	357	0.01	0.05	0.02	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	141	141	< 0.005	0.01	0.17	143
Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	127	127	< 0.005	0.02	0.12	133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23	23	< 0.005	< 0.005	0.03	24
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21	21	< 0.005	< 0.005	0.02	22

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.1	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.0	8.0	< 0.005	< 0.005	—	8.1
Architectural Coatings	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Architectural Coatings	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.38	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	85	85	< 0.005	< 0.005	0.22	86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.8	4.8	< 0.005	< 0.005	0.01	4.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134

Architect Coatings	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.0	8.0	< 0.005	< 0.005	—	8.1
Architectural Coatings	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Architectural Coatings	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.38	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	85	85	< 0.005	< 0.005	0.22	86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.8	4.8	< 0.005	< 0.005	0.01	4.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Trenching (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.2	1.4	< 0.005	0.04	—	0.04	0.04	—	0.04	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.2	1.4	< 0.005	0.04	—	0.04	0.04	—	0.04	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11	11	< 0.005	< 0.005	—	11

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.9	1.9	< 0.005	< 0.005	—	1.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33	33	< 0.005	< 0.005	0.09	34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31	31	< 0.005	< 0.005	< 0.005	31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Trenching (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.97	1.4	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.97	1.4	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11	11	< 0.005	< 0.005	—	11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.9	1.9	< 0.005	< 0.005	—	1.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33	33	< 0.005	< 0.005	0.09	34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31	31	< 0.005	< 0.005	< 0.005	31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	179	179	0.01	< 0.005	—	179
Total	—	—	—	—	—	—	—	—	—	—	—	179	179	0.01	< 0.005	—	179

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	179	179	0.01	< 0.005	—	179

Total	—	—	—	—	—	—	—	—	—	—	—	179	179	0.01	< 0.005	—	179

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Total	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Total	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	176	176	0.02	< 0.005	—	177
Total	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	176	176	0.02	< 0.005	—	177

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Total	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Library	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Total	0.05	0.89	0.75	0.01	0.07	—	0.07	0.07	—	0.07	—	1,066	1,066	0.09	< 0.005	—	1,069
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	176	176	0.02	< 0.005	—	177
Total	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	176	176	0.02	< 0.005	—	177

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.03	3.4	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Total	2.4	0.03	3.4	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.6	1.6	< 0.005	< 0.005	—	1.6
Total	0.41	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.6	1.6	< 0.005	< 0.005	—	1.6

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.03	3.4	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Total	2.4	0.03	3.4	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.6	1.6	< 0.005	< 0.005	—	1.6
Total	0.41	< 0.005	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.6	1.6	< 0.005	< 0.005	—	1.6

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Total	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44

Total	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	0.77	4.0	4.8	0.08	< 0.005	—	7.3
Total	—	—	—	—	—	—	—	—	—	—	0.77	4.0	4.8	0.08	< 0.005	—	7.3

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Total	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Total	—	—	—	—	—	—	—	—	—	—	4.6	24	29	0.48	0.01	—	44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	0.77	4.0	4.8	0.08	< 0.005	—	7.3
Total	—	—	—	—	—	—	—	—	—	—	0.77	4.0	4.8	0.08	< 0.005	—	7.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Total	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Total	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	6.4	0.00	6.4	0.64	0.00	—	22
Total	—	—	—	—	—	—	—	—	—	—	6.4	0.00	6.4	0.64	0.00	—	22

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Total	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Total	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	134
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	6.4	0.00	6.4	0.64	0.00	—	22
Total	—	—	—	—	—	—	—	—	—	—	6.4	0.00	6.4	0.64	0.00	—	22

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/1/2027	12/29/2027	5.0	20	—

Site Preparation	Site Preparation	12/30/2027	1/26/2028	5.0	20	—
Grading	Grading	1/27/2028	3/8/2028	5.0	30	—
Building Construction	Building Construction	4/6/2028	7/1/2029	5.0	322	—
Architectural Coating	Architectural Coating	7/2/2029	7/31/2029	5.0	22	—
Trenching	Trenching	3/9/2028	4/5/2028	5.0	20	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.0	8.0	84	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.0	33	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.0	148	0.41
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.0	7.0	84	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.0	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.0	84	0.37
Building Construction	Welders	Diesel	Average	3.0	8.0	46	0.45
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48

Trenching	Trenchers	Diesel	Average	1.00	8.0	40	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.0	8.0	84	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.0	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.0	33	0.73
Site Preparation	Graders	Diesel	Tier 4 Final	1.00	8.0	148	0.41
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.0	84	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.0	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.0	7.0	84	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.0	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.0	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.0	84	0.37
Building Construction	Welders	Diesel	Tier 4 Final	3.0	8.0	46	0.45
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.0	37	0.48
Trenching	Trenchers	Diesel	Tier 4 Final	1.00	8.0	40	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Demolition	Worker	13	19	LDA,LDT1,LDT2
Demolition	Vendor	—	10	HHDT,MHDT
Demolition	Hauling	8.7	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.5	19	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.0	19	LDA,LDT1,LDT2
Grading	Vendor	—	10	HHDT,MHDT
Grading	Hauling	8.3	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	33	19	LDA,LDT1,LDT2
Building Construction	Vendor	13	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	Worker	6.5	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	2.5	19	LDA,LDT1,LDT2
Trenching	Vendor	—	10	HHDT,MHDT
Trenching	Hauling	0.00	20	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	13	19	LDA,LDT1,LDT2

Demolition	Vendor	—	10	HHDT,MHDT
Demolition	Hauling	8.7	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.5	19	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.0	19	LDA,LDT1,LDT2
Grading	Vendor	—	10	HHDT,MHDT
Grading	Hauling	8.3	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	33	19	LDA,LDT1,LDT2
Building Construction	Vendor	13	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	Worker	6.5	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	2.5	19	LDA,LDT1,LDT2
Trenching	Vendor	—	10	HHDT,MHDT
Trenching	Hauling	0.00	20	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	116,145	38,715	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	15,000	0.00
Site Preparation	—	—	19	0.00	0.00
Grading	—	2,000	30	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Library	Wood Fireplaces	0	0
Library	Gas Fireplaces	0	0
Library	Propane Fireplaces	0	0
Library	Electric Fireplaces	0	0
Library	No Fireplaces	0	0
Library	Conventional Wood Stoves	0	0
Library	Catalytic Wood Stoves	0	0
Library	Non-Catalytic Wood Stoves	0	0
Library	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

—	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

undefined	0.00	0.00	116,145	38,715	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Library	740,933	532	0.0330	0.0040	3,325,644

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Library	740,933	532	0.0330	0.0040	3,325,644

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Library	2,422,700	31,711

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Library	2,422,700	31,711

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Library	71	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Library	71	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Library	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Library	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
Library	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00

Library	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Library	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Library	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
Library	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Library	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	16	annual days of extreme heat
Extreme Precipitation	3.5	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	17	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	80
AQ-PM	92
AQ-DPM	25
Drinking Water	98
Lead Risk Housing	3.4

Pesticides	0.00
Toxic Releases	66
Traffic	24
Effect Indicators	—
CleanUp Sites	84
Groundwater	66
Haz Waste Facilities/Generators	27
Impaired Water Bodies	44
Solid Waste	0.00
Sensitive Population	—
Asthma	23
Cardio-vascular	75
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	84
Housing	—
Linguistic	67
Poverty	27
Unemployment	3.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—

Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	64.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	5.8
Physically Disabled	16.6
Heart Attack ER Admissions	14.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	97.9
Elderly	97.6
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	54.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	86.9
Traffic Density	0.0

Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Trenching

Appendix B:

EMFAC2025 Output

Source: EMFAC2025 (v2.0.0) Emissions Inventory
Region Type: Air District
Region: South Coast AQMD
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, kWh/day for Energy Consum

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Fuel Consumption	**MPG**
South Coast AQMD	2027	HHDT	Aggregate	Aggregate	Gasoline	119.9786149	5039.865379	1.292650238	**6.389554723**
South Coast AQMD	2027	HHDT	Aggregate	Aggregate	Diesel	104694.0021	14655111.19	2293.100573	
South Coast AQMD	2027	LDA	Aggregate	Aggregate	Gasoline	4365511.132	122279941.4	4660.5255	**26.24952527**
South Coast AQMD	2027	LDA	Aggregate	Aggregate	Diesel	9374.916105	213725.4271	5.984296501	
South Coast AQMD	2027	LDT1	Aggregate	Aggregate	Gasoline	459882.6443	13188498.87	592.399392	**22.2628013**
South Coast AQMD	2027	LDT1	Aggregate	Aggregate	Diesel	100.2449672	2123.159791	0.096666669	
South Coast AQMD	2027	LDT2	Aggregate	Aggregate	Gasoline	2600590.744	87049580.58	3892.623714	**22.37298592**
South Coast AQMD	2027	LDT2	Aggregate	Aggregate	Diesel	4676.709905	152488.5502	5.026311659	
South Coast AQMD	2027	LHDT1	Aggregate	Aggregate	Gasoline	191914.015	6082376.492	432.8421995	**15.68707413**
South Coast AQMD	2027	LHDT1	Aggregate	Aggregate	Diesel	90403.37187	2955380.11	143.2854155	
South Coast AQMD	2027	LHDT2	Aggregate	Aggregate	Gasoline	39728.80291	1417530.56	108.3207185	**16.2498921**
South Coast AQMD	2027	LHDT2	Aggregate	Aggregate	Diesel	78414.06531	3287229.466	181.2048979	
South Coast AQMD	2027	MDV	Aggregate	Aggregate	Gasoline	1618820.697	53179824.35	2922.694912	**18.34514026**
South Coast AQMD	2027	MDV	Aggregate	Aggregate	Diesel	47020.27838	1818861.373	75.30264779	
South Coast AQMD	2027	MHDT	Aggregate	Aggregate	Gasoline	32148.25779	1407853.777	264.8952811	**7.61846648**
South Coast AQMD	2027	MHDT	Aggregate	Aggregate	Diesel	116061.9004	4257281.212	478.7104043	

Library Learning Resource Center & Student Services

Health Risk Assessment

City of Norco, CA

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MD ACOUSTICS
Sound Solutions for Planning and Design

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GLOSSARY OF TERMS

CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
GHG	Greenhouse gas
HFCs	Hydrofluorocarbons
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
O_3	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SOx	Sulfur Oxides
SRA	Source/Receptor Area
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCC	Western Regional Climate Center

1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This health risk analysis was prepared to evaluate whether the diesel air emissions generated by the construction of the project would cause a significant impact to the air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The assessment is consistent with the methodology and emission factors endorsed by the State Office of Environmental Health Hazard Assessment (OEHHA), South Coast Air Quality Management District (SCAQMD), California Air Resource Board (CARB), and the United States Environmental Protection Agency (US EPA).

1.2 Project Summary

1.2.1 Site Location

The Riverside Community College District (RCCD) – Norco College (NC) campus is located within the western Riverside County sub-region of southern California. The area is generally south of the City of Ontario, southwest of the City of Riverside, and east of the Prado Dam.

1.2.2 Project Description

This project proposes to construct a new three-story Library Learning Resource Center and Student Services building at Norco College. The proposed project will expand library and learning resource spaces to meet student needs, and consolidate programs currently housed in the Library, Student Services Building, and College Resource Center. The new facility will also include modern technology and infrastructure that is essential to student success. The proposed LLRC and Student Services building is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classrooms, 16,968 ASF of faculty/staff office space, 26,112 ASF of library/library support, 994 ASF of audio/visual media space, and 3,491 ASF of other support space.

1.2.3 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. As identified by the California Air Resources Board (CARB), sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, a sensitive receptor would be a location where a sensitive individual could remain for 24-hours or longer, such as residencies, hospitals, and schools (etc).

The closest existing sensitive receptors (to the site area) are the residences approximately 330 feet to the southwest.

1.3 Executive Summary of Findings and Mitigation Measures

The following is a summary of the analysis results:

The analysis shows that, with mitigation, the nearby sensitive receptors would not be exposed to elevated cancer risk from project construction-related diesel emissions in excess of 10 in a million, and therefore impacts are less than significant. The health risk impacts for non-cancer related impacts are less than 1.0; therefore, they are also considered to be less than significant.

Mitigation Measures

Construction Measures

Mitigation Measure 1: All diesel-powered construction equipment shall have an engine rating of Tier 4 Final.

2.0 Regulatory Framework and Background

2.1 Health Risk Regulatory Setting

Health Risk Assessments for Proposed Land Use Projects CAPCOA Guidance Document. This guidance was adopted July 2009 to ensure consistency in assessing the health risk impacts from and to proposed land use projects. This CAPCOA guidance document focuses on the acute, chronic, and cancer impacts of sources affected by CEQA. It also outlines the recommended procedures to identify when a project should undergo further risk evaluation, how to conduct the health risk assessment (HRA), how to engage the public, what to do with the results from the HRA, and what mitigation measures may be appropriate for various land use projects. With respect to health risks associated with locating sensitive land uses in proximity to freeways and other high traffic roadways, HRA modeling may not thoroughly characterize all the health risk associated with nearby exposure to traffic generated pollutants.

California Code of Regulations (CCR) Title 13 Section 2485. The Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling applies to diesel-fueled commercial motor vehicles that operate in the State of California with gross vehicle weight ratings of greater than 10,000 pounds that are or must be licensed for operation on highways. It limits applicable vehicles from idling more than five consecutive minutes at any location.

South Coast Air Quality Management District. The SCAQMD has jurisdiction over stationary sources of emissions occurring within the Basin. TACs are regulated by numerous SCAQMD rules, which include Rules 1401 and 212. Rule 1401 – New Source Review for Toxic Air Contaminants establishes requirements for obtaining a permit to operate from the SCAQMD. Rule 212 – Standards for Approving Permits establishes emissions control requirements for emission sources.

The SCAQMD also conducted a detailed TAC emission inventory, air sampling, and dispersion modeling study called the Multiple Air Toxics Exposure Study in the South Coast Air Basin (MATES-IV). The MATES-V study provided information on the importance of various TACs in terms of their relative health risks, as well as their spatial magnitude and distribution across the Basin. The MATES-V information can be used to characterize the “background” health risks from both regional and local TAC emission sources. Approximately two-thirds of the cancer risk from TACs is due to diesel exhaust, while the remaining portion mainly comprises exposures to benzene, formaldehyde, acrolein, and 1,3-butadiene, which primarily come from gasoline fueled vehicles. The risk levels provided within the MATES-V study are produced from a comprehensive macro-level study of all emission sources within the Basin. Because of the scale of the MATES-V analysis, localized conditions cannot be readily discerned from this study and project-level HRAs are conducted to account for local conditions. The SCAQMD has its own Risk Assessment guidelines and required assumptions that incorporate the OEHHA guidance and the options to be used when using the CARB’s Hotspots Analysis and Reporting Program Version 2 (HARP 2) program for risk assessment calculations.

3.0 Thresholds of Significance

3.1 Toxic Air Contaminants

The SCAQMD has defined several health risk significance thresholds that it recommends Lead Agencies use in assessing a project's health risk impacts. Norco has not adopted its own set of thresholds. Therefore, the following SCAQMD thresholds are used for this analysis.

The SCAQMD has established the following project-specific health risk significance thresholds:[1]

- Maximum Incremental Cancer Risk: >=10 in 1 million.
- Maximum facility-wide cancer risk at a school or school under construction within 500 feet of the project: >=1 in 1 million.[2]
- Hazard Index (project increment) >=1.0.

A significant impact would occur if a project's impacts exceeded any of these thresholds. Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.

4.0 Health Risk Assessment

4.1 Diesel Emissions Health Risk Assessment

The construction of the proposed project would generate toxic air contaminant emissions from diesel truck emissions and off-road equipment. According to OEHHA methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 30-year lifetime will contract cancer, based on the use of revised Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology.[3]

A health risk assessment requires the completion and interaction of four general steps:

[1]South Coast Air Quality Management District (SCAQMD). 2019. South Coast AQMD Air Quality Significance Thresholds. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2. Accessed September 21, 2021.

[2] SCAQMD. 2015. Rule 1401.1 Requirements for New and Relocated Facilities near Schools. http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1401-1.pdf. Accessed March 15, 2022.

[3] In February 2015, the Office of Environmental Health Hazard Assessment updated their "Air Toxics Hot Spots Program, Risk Assessments Guidelines, Guidance Manual for Preparation of Health Risk Assessments; however, the updated OEHHA guidance states in the page footers "do not cite or quote." SCAQMD staff have incorporated the updates into their methodology for SCAQMD's Rules 1401, 1401.1, 1402, and 212, and have updated their HRA Guidance for permitting; however, they are still in the process of updating the guidance for CEQA analyses (via working group sessions); however, to be conservative, the new OEHHA guidance was used to assess HRA impacts in this analysis.

1. Quantify project-generated TAC emissions.
2. Identify nearby ground-level receptor locations that may be affected by the emissions (including any special sensitive receptor locations such as residences, schools, hospitals, convalescent homes, and daycare centers).
3. Perform air dispersion modeling analyses to estimate ambient pollutant concentrations at each receptor location using project TAC emissions and representative meteorological data to define the transport and dispersion of those emissions in the atmosphere.
4. Characterize and compare the calculated health risks with the applicable health risk significance thresholds.

4.1.1 Health Risk Assessment Assumptions

Important issues that affect the dispersion modeling include the following: (1) Model Selection, (2) Source Treatment, (3) Meteorological Data, and (4) Receptor Grid. Each of these issues is addressed below.

Construction-Generated Air Toxics

Construction-related activities would result in temporary, short-term project-generated emissions of diesel particulate matter (DPM) from the exhaust of off-road, heavy-duty diesel equipment for site grading; soil hauling truck traffic; vertical building construction; paving; application of architectural coatings; and other miscellaneous activities. For construction activity, DPM is the primary air toxic of concern. Particulate exhaust emissions from diesel-fueled engines (i.e., DPM) were identified as a toxic air contaminant (TAC) by the California Air Resources Board (CARB) in 1998.

To assess the project's total health risk impacts, impacts from both construction and operations were considered in this HRA; therefore, the construction HRA is summarized below.

The construction HRA evaluated DPM (represent as exhaust PM10 from CalEEMod) emissions generated during construction of the proposed project and the related health risk impacts for sensitive receptors located within 1,000 feet of the project boundary. Exhaust PM10 emissions from construction of the project were calculated in CalEEMod (see Appendix B). A project would result in a significant impact if it would individually expose sensitive receptors to TACs resulting in an increased cancer risk greater than 10 in one million or an increased non-cancer risk of greater than 1.0 on the hazard index.

The project site is located within 1,000 feet from existing sensitive receptors that could be exposed to diesel emission exhaust during the construction period. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to concentrations at the receptor locations of interest (i.e., receptors at nearby residences).

Estimate of Emission Factors

The DPM emissions were calculated from CalEEMod model, using default estimates for construction length and equipment usage. The emissions factors were derived for Riverside County. Third trimester exposure used opening year (2027) emissions factors and 2-year factors (for infant exposure) reflect years 2028 and 2029.

Emission Source Characterization

Each of the emission source types described above also requires geometrical and emission release specifications for use in the air dispersion model. Table 1 provides a summary of the assumptions used to configure the various emission sources. The following definitions are used to characterize the emission source geometrical configurations referred to in Table 1:

- Line source: A series of volume sources along a path, for example, vehicular traffic volumes along a roadway.

- Area source: A source where individual emission sources are moving and can be assumed to be evenly distributed over a defined area, such as truck idling covering an area.

Table 1: Summary of Emission Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
On-Site Diesel Equipment Usage	Area source	Stack release height: 3 feet
		Entire project area
		Emission estimate: CalEEMod v. 2022.1.1.35

Exhibit A provides the location of the project buildings, emission source locations, and the locations of the nearest sensitive receptors (single-family detached residential dwelling units located south of the property). Residential receptors are labeled 1 through 8. The direction of on-site and off-site truck travel were obtained from either the site plan and/or based on City truck routes and location of nearest freeways.

4.1.2 Receptor Network

The assessment requires that a network of receptors be specified where the impacts can be computed at the various locations surrounding the project. Discrete receptors were located at existing sensitive residential receptors surrounding the proposed project (as detailed above). Discrete receptors are labeled 1 through 8. In addition, the identified sensitive receptor's locations were supplemented by the specification of a modeling grid that extended around the proposed project to identify other potential locations of impact. See Exhibit A for details.

4.1.3 Dispersion Modeling

The next step in the assessment process utilizes the emissions inventory along with a mathematical air dispersion model and representative meteorological data to calculate impacts at the various receptor locations. The dispersion model used in this assessment is described below.

Model Selection

The assessment of air quality and health risk impacts from pollutant emissions from this project applied the USEPA AERMOD Model, which is an air dispersion model accepted by the SCAQMD for performing health risk assessment analyses. AERMOD predicts pollutant concentrations from point, area, volume, line, and flare sources with variable emissions in terrain from flat to complex with the inclusion of building downwash effects from buildings on pollutant dispersion (as applicable). It captures the essential atmospheric physical processes and provides reasonable estimates over a wide range of meteorological conditions and modeling scenarios.

General Model Assumptions

A summary of Emission Configurations is shown in Table 1. The basic options used in the dispersion modeling are summarized in Table 2.

As indicated in Table 2, the analysis takes into account the effects of building downwash on the dispersion of emissions from the various sources located on the project's property. Building downwash occurs when the aerodynamic turbulence, induced by nearby buildings, causes pollutants emitted from an elevated source to be mixed rapidly toward the ground (downwash), resulting in potentially higher ground-level concentrations than if the buildings were not present. The AERMOD dispersion model contains algorithms to account for building downwash effects. The required information includes the location of the emission source; the location of adjacent buildings; and the building geometry in terms of length, width, and height. For purposes of this analysis, the emission source and building locations were taken from the project site plan. The CalEEMod output used for model inputs can be found in Appendix A.

Table 2: General Modeling Assumptions – AERMOD Model

Feature	Option Selected
Terrain processing	AERMAP-generated NED GEOTIFF 30 m
Regulatory dispersion options	See Table 1
Land use	Urban
Coordinate system	UTM Zone 11 North
Building downwash	Included in calculations
Receptor height	0 meters above ground (per OEHHA methodology)
Meteorological data	Perris Meteorological Data

Meteorological Data

Meteorological data from the Perris station was selected for this modeling application.[4] The meteorological input files were processed using AERMET program from Lakes Environmental. They are developed based on the five years data sets covering 1/1/2010 to 1/2/2016.

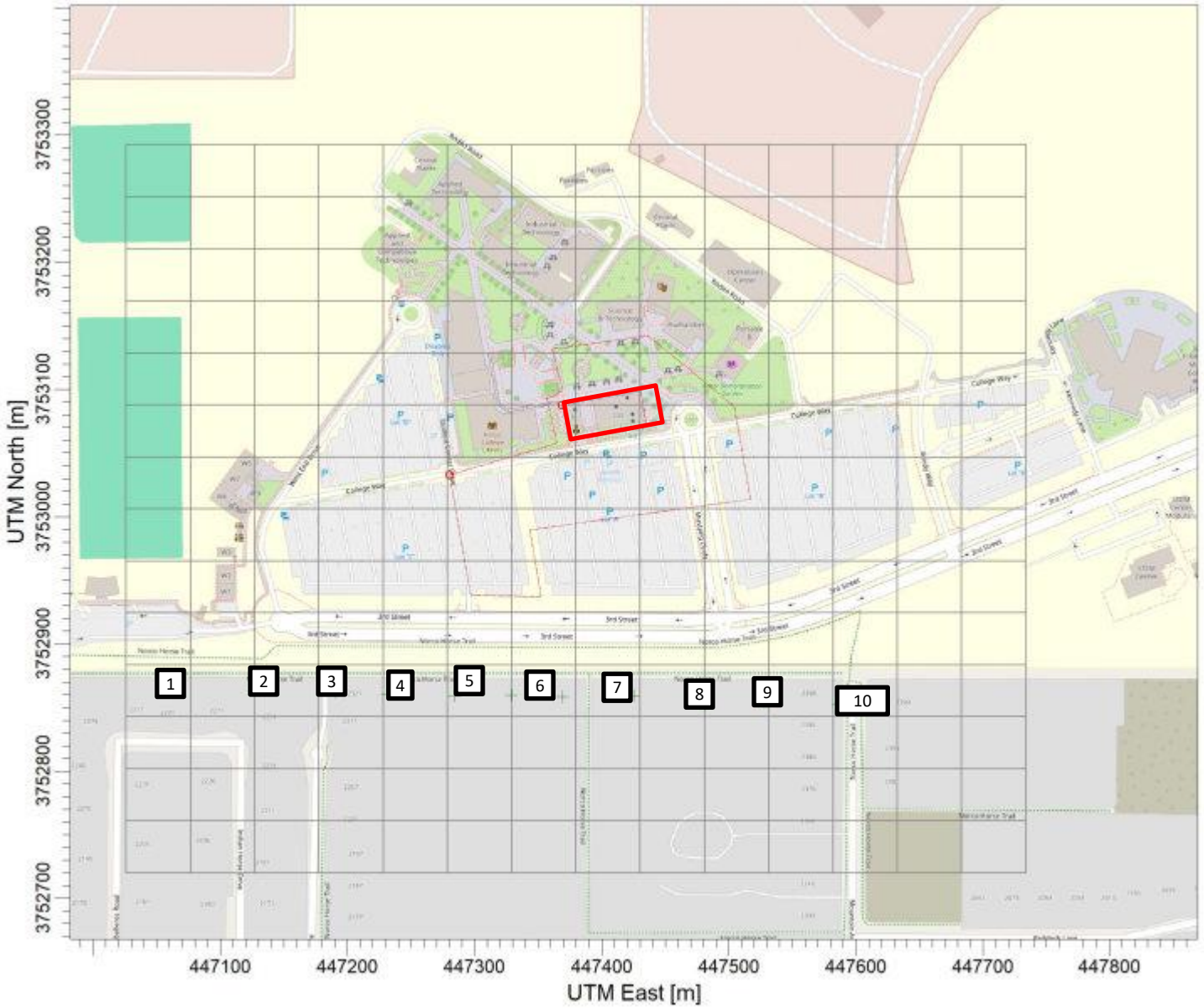
4.1.4 Estimation of Health Risks

Health risks from diesel particulate matter are twofold. First, diesel particulate matter is a carcinogen according to the State of California. Second, long-term chronic exposure to diesel particulate matter can cause health effects to the respiratory system. Each of these health risks is discussed below. Health risk calculations were based on the most-recent Office of Environmental Health Hazard Assessment guidance as detailed below.

[4] Source: https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files

Exhibit A

AERMOD Model Source and Receptor Placement



Cancer Risks

According to the *Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*, released by the Office of Environmental Health Hazard Assessment (OEHHA) in February 2015 and formally adopted in March 2015, the residential inhalation dose for long-term cancer risk assessment should be calculated using the following formula:

[Dose-air (mg/(Kg-day)]*Cancer Potency*[1x10^{-6}] = Potential Cancer Risk

Where:
Cancer Potency Factor = 1.1
Dose-inh = (C¬air * DBR * A * EF * ED *ASF*FAH* 10-6) / AT

Where:
DBR [Daily breathing rate (L/kg body weight – day)] = 261 for adults, 572 for children, and 1,090 for infants, and 361 for 3rd trimester per OEHHA guidance.
A [Inhalation absorption factor] = 1
EF [Exposure frequency (days/year)] = 350
ED [Exposure duration (years)] = 30 for adults (for an individual who is an adult at opening year), 14 for children (from 2-16 years), 14 for adults (from 16-30 years), 2 for infants, and 1 for 3rd Trimester
ASF [Age sensitivity factor) = 10 for 3rd trimester to 2 years of age, 3 for 2 to 16 years of age, and 1 for 16 to 30 years of age
FAH [Fraction of time spent at home] = 1 for 3rd trimester to 2 years of age, 1 for 2 to 16 years of age, and 0.73 for 16 to 30 years of age
10^6 [Micrograms to milligrams conversion]
AT [Average time period over which exposure is averaged in days] = 25,550

The model run results are shown in Appendix B. HARP2 (Hotspots Analysis and Report Program) from CARB was used to calculate risk. Exhibit B shows the dispersion from operation of the project.

Estimated cancer risk was based a construction duration of one year. Based on these assumptions, the maximum carcinogenic health risk from construction (beginning 3rd trimester [-0.25 to 1.75 years] scenario) would be 16.1 in a million at receptor 8. As this would exceed the SCAQMD's 10 in a million risk threshold, mitigation must be implemented. **Mitigation Measure 1** would require all diesel-powered equipment used during construction to have an engine rating of Tier 4 Final. With mitigation, the maximum carcinogenic health risk from construction would be 3.86 at receptor 8.

Table 3: Cumulative Carcinogenic Risk, 20-Month Exposure Scenario

Receptor ID	Unmitigated Construction (20 months)		Mitigated Construction (20 months)		Noncarcinogenic Hazards Index
	Average Annual Concentration (ug/m3)	Cumulative RISK (per million)	Average Annual Concentration (ug/m3)	Cumulative RISK (per million)	
1	0.01328	2.36	0.00318	0.57	0.00083
2	0.01759	3.13	0.00421	0.75	0.001098
3	0.02144	3.81	0.00513	0.91	0.001336
4	0.02867	5.10	0.00685	1.22	0.001782
5	0.03868	6.88	0.00922	1.64	0.002398
6	0.05239	9.32	0.01251	2.22	0.003254
7	0.07769	13.82	0.0186	3.31	0.004848
8	**0.0905**	**16.10**	**0.02169**	**3.86**	**0.00566**
9	0.08556	15.22	0.02051	3.65	0.005352
10	0.06128	10.90	0.01469	2.61	0.003832
SCAQMD Threshold	-	**10**	-	**10**	**1**
Exceeds Threshold?	-	**Yes**	-	**No**	**No**

Non-Cancer Risks

The relationship for non-cancer health effects is given by the equation:

HIDPM = CDPM/RELDPM

Where,
HIDPM = Hazard Index; an expression of the potential for non-cancer health effects.
CDPM = Annual average diesel particulate matter concentration in µg/m3.
RELDPM = Reference Exposure Level (REL) for diesel particulate matter; the diesel particulate matter concentration at which no adverse health effects are anticipated.

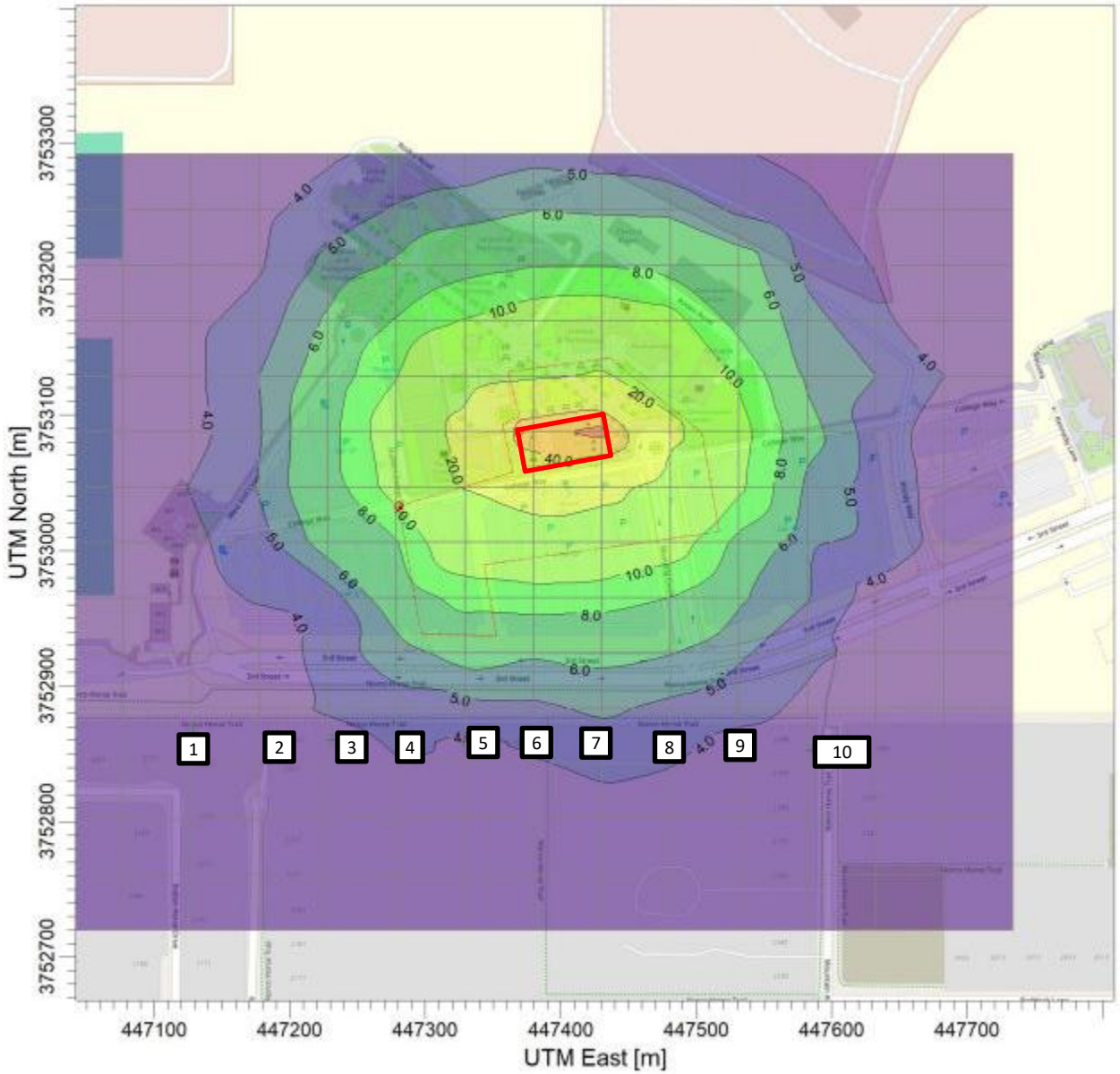
The non-carcinogenic hazards are also detailed in Table 3. The RELDPM is 5 µg/m3. The Office of Environmental Health Hazard Assessment as protective for the respiratory system has established this concentration. Using the maximum DPM concentration from years 2027-2029, the resulting Hazard Index is:

HIDPM = 0.02169/5 = 0.004338

The criterion for significance is a Hazard Index increase of 1.0 or greater. Therefore, the proposed project would have a less than significant impact due to the non-cancer risk from diesel emissions created by the proposed project.

Exhibit B

Unmitigated Annual DPM Emissions - Construction



5.0 References

The following references were used in the preparing this analysis.

California Air Pollution Control Officers Association
2009 Health Risk Assessments for Proposed Land Use Projects

California Air Resources Board
2005 Air Quality and Land Use Handbook: A Community Health Perspective. April.

2008 Resolution 08-43

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

Governor's Office of Planning and Research
2008 CEQA and Climate: Addressing Climate Change Through California Environmental Quality Act (CEQA) Review

2009 CEQA Guideline Sections to be Added or Amended

Office of Environmental Health Hazard Assessment
2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

Appendix A:

CalEEMod Output

Norco Library Learning Resource Center (LLRC) Project Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norco Library Learning Resource Center (LLRC) Project
Construction Start Date	12/1/2027
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	Student Services, 2001 Third St, Norco, CA 92860, USA
County	Riverside-South Coast
City	Norco
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5443
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Library	74	1000sqft	1.7	73,891	2,000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	31	8.4	12	0.02	0.24	0.51	0.75	0.22	0.12	0.34	—	2,563	2,563	0.08	0.08	2.0	2,592
Mit.	31	4.8	13	0.02	0.07	0.51	0.58	0.07	0.12	0.19	—	2,563	2,563	0.08	0.08	2.0	2,592
% Reduced	< 0.5%	43%	-9%	—	71%	—	23%	70%	—	45%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.4	13	15	0.03	0.53	3.0	3.6	0.49	1.4	1.9	—	3,224	3,224	0.11	0.12	0.05	3,262
Mit.	0.42	4.8	15	0.03	0.07	3.0	3.1	0.07	1.4	1.5	—	3,224	3,224	0.11	0.12	0.05	3,262
% Reduced	70%	63%	-1%	—	87%	—	13%	87%	—	23%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.2	6.0	8.0	0.01	0.19	0.65	0.84	0.18	0.24	0.42	—	1,719	1,719	0.06	0.05	0.51	1,737
Mit.	2.0	2.8	8.6	0.01	0.04	0.65	0.69	0.04	0.24	0.28	—	1,719	1,719	0.06	0.05	0.51	1,737
% Reduced	10%	53%	-8%	—	78%	—	18%	77%	—	33%	—	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.41	1.1	1.5	< 0.005	0.04	0.12	0.15	0.03	0.04	0.08	—	285	285	0.01	0.01	0.08	288
Mit.	0.37	0.51	1.6	< 0.005	0.01	0.12	0.13	0.01	0.04	0.05	—	285	285	0.01	0.01	0.08	288
% Reduced	10%	53%	-8%	—	78%	—	18%	77%	—	33%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.1	8.4	12	0.02	0.24	0.51	0.75	0.22	0.12	0.34	—	2,563	2,563	0.08	0.08	2.0	2,592
2029	31	8.1	12	0.02	0.22	0.51	0.72	0.20	0.12	0.32	—	2,547	2,547	0.08	0.08	1.8	2,574
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.4	13	15	0.03	0.48	2.5	3.0	0.44	1.2	1.6	—	3,224	3,224	0.11	0.12	0.04	3,262
2028	1.4	12	15	0.03	0.53	3.0	3.6	0.49	1.4	1.9	—	3,120	3,120	0.11	0.11	0.05	3,156
2029	1.00	8.1	11	0.02	0.22	0.51	0.72	0.20	0.12	0.32	—	2,514	2,514	0.08	0.08	0.05	2,541
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.08	0.76	0.88	< 0.005	0.03	0.07	0.10	0.03	0.02	0.04	—	185	185	0.01	0.01	0.04	187
2028	0.74	6.0	8.0	0.01	0.19	0.65	0.84	0.18	0.24	0.42	—	1,719	1,719	0.06	0.05	0.51	1,737
2029	2.2	2.9	4.1	0.01	0.08	0.18	0.26	0.07	0.04	0.12	—	910	910	0.03	0.03	0.28	919
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01	0.14	0.16	< 0.005	0.01	0.01	0.02	< 0.005	< 0.005	0.01	—	31	31	< 0.005	< 0.005	0.01	31
2028	0.13	1.1	1.5	< 0.005	0.04	0.12	0.15	0.03	0.04	0.08	—	285	285	0.01	0.01	0.08	288
2029	0.41	0.53	0.75	< 0.005	0.01	0.03	0.05	0.01	0.01	0.02	—	151	151	< 0.005	< 0.005	0.05	152

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.43	4.8	13	0.02	0.07	0.51	0.58	0.07	0.12	0.19	—	2,563	2,563	0.08	0.08	2.0	2,592
2029	31	4.8	13	0.02	0.07	0.51	0.58	0.06	0.12	0.19	—	2,547	2,547	0.08	0.08	1.8	2,574
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.31	3.0	15	0.03	0.06	2.5	2.6	0.06	1.2	1.2	—	3,224	3,224	0.11	0.12	0.04	3,262
2028	0.42	4.8	15	0.03	0.07	3.0	3.1	0.07	1.4	1.5	—	3,120	3,120	0.11	0.11	0.05	3,156
2029	0.40	4.8	12	0.02	0.07	0.51	0.58	0.06	0.12	0.19	—	2,514	2,514	0.08	0.08	0.05	2,541
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02	0.17	0.89	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	185	185	0.01	0.01	0.04	187
2028	0.26	2.8	8.6	0.01	0.04	0.65	0.69	0.04	0.24	0.28	—	1,719	1,719	0.06	0.05	0.51	1,737
2029	2.0	1.7	4.5	0.01	0.02	0.18	0.21	0.02	0.04	0.07	—	910	910	0.03	0.03	0.28	919
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	< 0.005	0.03	0.16	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.01	31
2028	0.05	0.51	1.6	< 0.005	0.01	0.12	0.13	0.01	0.04	0.05	—	285	285	0.01	0.01	0.08	288
2029	0.37	0.32	0.83	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	151	151	< 0.005	< 0.005	0.05	152

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.3	0.88	3.9	0.01	0.07	0.00	0.07	0.07	0.00	0.07	41	2,084	2,125	4.3	0.02	0.29	2,239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.8	0.85	0.72	0.01	0.06	0.00	0.06	0.06	0.00	0.06	41	2,071	2,112	4.3	0.02	0.29	2,225
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.2	0.87	2.9	0.01	0.07	0.00	0.07	0.07	0.00	0.07	41	2,080	2,121	4.3	0.02	0.29	2,234
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.40	0.16	0.53	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	6.8	344	351	0.71	< 0.005	0.05	370

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.3	0.03	3.2	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Energy	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	2,048	2,048	0.15	0.01	—	2,054
Water	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Waste	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	2.3	0.88	3.9	0.01	0.07	0.00	0.07	0.07	0.00	0.07	41	2,084	2,125	4.3	0.02	0.29	2,239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	2,048	2,048	0.15	0.01	—	2,054
Water	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Waste	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	1.8	0.85	0.72	0.01	0.06	0.00	0.06	0.06	0.00	0.06	41	2,071	2,112	4.3	0.02	0.29	2,225
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.1	0.02	2.2	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.1	9.1	< 0.005	< 0.005	—	9.1
Energy	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	2,048	2,048	0.15	0.01	—	2,054
Water	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Waste	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	2.2	0.87	2.9	0.01	0.07	0.00	0.07	0.07	0.00	0.07	41	2,080	2,121	4.3	0.02	0.29	2,234
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.39	< 0.005	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5
Energy	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	339	339	0.03	< 0.005	—	340
Water	—	—	—	—	—	—	—	—	—	—	0.73	3.8	4.6	0.08	< 0.005	—	7.0
Waste	—	—	—	—	—	—	—	—	—	—	6.1	0.00	6.1	0.61	0.00	—	21
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	0.40	0.16	0.53	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	6.8	344	351	0.71	< 0.005	0.05	370

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.3	0.03	3.2	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Energy	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	2,048	2,048	0.15	0.01	—	2,054
Water	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Waste	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	2.3	0.88	3.9	0.01	0.07	0.00	0.07	0.07	0.00	0.07	41	2,084	2,125	4.3	0.02	0.29	2,239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	2,048	2,048	0.15	0.01	—	2,054
Water	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Waste	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	1.8	0.85	0.72	0.01	0.06	0.00	0.06	0.06	0.00	0.06	41	2,071	2,112	4.3	0.02	0.29	2,225
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	2.1	0.02	2.2	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.1	9.1	< 0.005	< 0.005	—	9.1
Energy	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	2,048	2,048	0.15	0.01	—	2,054
Water	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Waste	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	2.2	0.87	2.9	0.01	0.07	0.00	0.07	0.07	0.00	0.07	41	2,080	2,121	4.3	0.02	0.29	2,234
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.39	< 0.005	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5

Energy	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	339	339	0.03	< 0.005	—	340
Water	—	—	—	—	—	—	—	—	—	—	0.73	3.8	4.6	0.08	< 0.005	—	7.0
Waste	—	—	—	—	—	—	—	—	—	—	6.1	0.00	6.1	0.61	0.00	—	21
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	0.40	0.16	0.53	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	6.8	344	351	0.71	< 0.005	0.05	370

3. Construction Emissions Details

3.1. Demolition (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.3	12	14	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.68	0.79	< 0.005	0.03	—	0.03	0.02	—	0.02	—	137	137	0.01	< 0.005	—	137
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23	23	< 0.005	< 0.005	—	23
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.63	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	156	156	< 0.005	0.01	0.01	157
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.66	0.16	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	575	575	0.01	0.09	0.03	602
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.6	8.6	< 0.005	< 0.005	0.01	8.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.2	5.2	< 0.005	< 0.005	< 0.005	5.5

3.2. Demolition (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.3	15	0.02	0.05	—	0.05	0.05	—	0.05	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	137	137	0.01	< 0.005	—	137
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23	23	< 0.005	< 0.005	—	23
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.63	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	156	156	< 0.005	0.01	0.01	157

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.66	0.16	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	575	575	0.01	0.09	0.03	602
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.6	8.6	< 0.005	< 0.005	0.01	8.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.2	5.2	< 0.005	< 0.005	< 0.005	5.5

3.3. Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	10	12	0.02	0.47	—	0.47	0.43	—	0.43	—	2,065	2,065	0.08	0.02	—	2,072
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.1	8.1	< 0.005	< 0.005	—	8.1
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.38	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93	93	< 0.005	< 0.005	0.01	94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.0	12	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.1	8.1	< 0.005	< 0.005	—	8.1
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.38	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93	93	< 0.005	< 0.005	0.01	94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Site Preparation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	10	12	0.02	0.45	—	0.45	0.42	—	0.42	—	2,066	2,066	0.08	0.02	—	2,073
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17	17	< 0.005	< 0.005	—	17
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.35	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92	92	< 0.005	< 0.005	0.01	93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	0.01	4.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Site Preparation (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.0	12	0.02	0.04	—	0.04	0.04	—	0.04	—	2,066	2,066	0.08	0.02	—	2,073
Dust From Material Movement	—	—	—	—	—	2.4	2.4	—	1.2	1.2	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17	17	< 0.005	< 0.005	—	17
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.35	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92	92	< 0.005	< 0.005	0.01	93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	0.01	4.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.4	12	14	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	2.8	2.8	—	1.3	1.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.97	1.1	< 0.005	0.04	—	0.04	0.04	—	0.04	—	202	202	0.01	< 0.005	—	203
Dust From Material Movement	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33	33	< 0.005	< 0.005	—	34
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	0.01	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.61	0.15	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	541	541	0.01	0.09	0.03	567
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.01	10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44	44	< 0.005	0.01	0.03	47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.4	7.4	< 0.005	< 0.005	0.01	7.7

3.8. Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.2	14	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	2.8	2.8	—	1.3	1.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.10	1.2	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	203
Dust From Material Movement	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33	33	< 0.005	< 0.005	—	34
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	0.01	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.61	0.15	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	541	541	0.01	0.09	0.03	567
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.01	10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44	44	< 0.005	0.01	0.03	47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.4	7.4	< 0.005	< 0.005	0.01	7.7

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	7.9	9.9	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	7.9	9.9	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.2	5.2	0.01	0.12	—	0.12	0.11	—	0.11	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.76	0.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	158	158	0.01	< 0.005	—	158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	1.9	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	412	412	< 0.005	0.01	1.2	418
Vendor	0.01	0.36	0.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	350	350	0.01	0.05	0.83	367
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.12	1.5	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	379	379	0.01	0.01	0.03	384
Vendor	0.01	0.37	0.12	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	350	350	0.01	0.05	0.02	366
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.81	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	203	203	< 0.005	0.01	0.27	206

Vendor	< 0.005	0.20	0.06	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	185	185	< 0.005	0.03	0.19	194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34	34	< 0.005	< 0.005	0.04	34
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	2.3	5.8	0.01	0.03	—	0.03	0.03	—	0.03	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.42	1.1	< 0.005	0.01	—	0.01	0.01	—	0.01	—	158	158	0.01	< 0.005	—	158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	1.9	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	412	412	< 0.005	0.01	1.2	418
Vendor	0.01	0.36	0.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	350	350	0.01	0.05	0.83	367
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.12	1.5	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	379	379	0.01	0.01	0.03	384
Vendor	0.01	0.37	0.12	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	350	350	0.01	0.05	0.02	366
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.81	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	203	203	< 0.005	0.01	0.27	206
Vendor	< 0.005	0.20	0.06	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	185	185	< 0.005	0.03	0.19	194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34	34	< 0.005	< 0.005	0.04	34
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	7.6	9.8	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	7.6	9.8	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.7	3.5	0.01	0.07	—	0.07	0.07	—	0.07	—	641	641	0.03	0.01	—	644
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.50	0.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	< 0.005	< 0.005	—	107
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	1.8	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	405	405	< 0.005	0.01	1.0	410
Vendor	0.01	0.34	0.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	341	341	0.01	0.05	0.74	357
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.11	1.3	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	373	373	< 0.005	0.01	0.03	377
Vendor	0.01	0.36	0.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	341	341	0.01	0.05	0.02	356
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.16	136
Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	121	121	< 0.005	0.02	0.11	127
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22	22	< 0.005	< 0.005	0.03	23
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20	20	< 0.005	< 0.005	0.02	21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	4.3	11	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.5	3.9	0.01	0.02	—	0.02	0.02	—	0.02	—	641	641	0.03	0.01	—	644
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.28	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	106	106	< 0.005	< 0.005	—	107
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	1.8	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	405	405	< 0.005	0.01	1.0	410
Vendor	0.01	0.34	0.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	341	341	0.01	0.05	0.74	357
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.11	1.3	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	373	373	< 0.005	0.01	0.03	377
Vendor	0.01	0.36	0.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	341	341	0.01	0.05	0.02	356
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.16	136
Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	121	121	< 0.005	0.02	0.11	127
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22	22	< 0.005	< 0.005	0.03	23
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20	20	< 0.005	< 0.005	0.02	21

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.1	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.0	8.0	< 0.005	< 0.005	—	8.1
Architectural Coatings	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81	81	< 0.005	< 0.005	0.21	82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.5	4.5	< 0.005	< 0.005	0.01	4.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	< 0.005	0.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134

Architect Coatings	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.0	8.0	< 0.005	< 0.005	—	8.1
Architectural Coatings	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81	81	< 0.005	< 0.005	0.21	82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.5	4.5	< 0.005	< 0.005	0.01	4.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	< 0.005	0.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Trenching (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.2	1.4	< 0.005	0.04	—	0.04	0.04	—	0.04	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.2	1.4	< 0.005	0.04	—	0.04	0.04	—	0.04	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11	11	< 0.005	< 0.005	—	11

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.9	1.9	< 0.005	< 0.005	—	1.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33	33	< 0.005	< 0.005	0.09	34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31	31	< 0.005	< 0.005	< 0.005	31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Trenching (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.97	1.4	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.97	1.4	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	208	208	0.01	< 0.005	—	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11	11	< 0.005	< 0.005	—	11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.9	1.9	< 0.005	< 0.005	—	1.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33	33	< 0.005	< 0.005	0.09	34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31	31	< 0.005	< 0.005	< 0.005	31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Total	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Total	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	171	171	0.01	< 0.005	—	171
Total	—	—	—	—	—	—	—	—	—	—	—	171	171	0.01	< 0.005	—	171

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Total	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Total	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031	0.06	0.01	—	1,034
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	171	171	0.01	< 0.005	—	171

Total	—	—	—	—	—	—	—	—	—	—	—	171	171	0.01	< 0.005	—	171

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Total	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Total	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	168	168	0.01	< 0.005	—	169
Total	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	168	168	0.01	< 0.005	—	169

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Total	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Library	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Total	0.05	0.85	0.72	0.01	0.06	—	0.06	0.06	—	0.06	—	1,017	1,017	0.09	< 0.005	—	1,020
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	168	168	0.01	< 0.005	—	169
Total	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	168	168	0.01	< 0.005	—	169

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.53	0.03	3.2	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Total	2.3	0.03	3.2	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5
Total	0.39	< 0.005	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.53	0.03	3.2	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Total	2.3	0.03	3.2	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5
Total	0.39	< 0.005	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Total	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42

Total	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	0.73	3.8	4.6	0.08	< 0.005	—	7.0
Total	—	—	—	—	—	—	—	—	—	—	0.73	3.8	4.6	0.08	< 0.005	—	7.0

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Total	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Total	—	—	—	—	—	—	—	—	—	—	4.4	23	28	0.46	0.01	—	42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	0.73	3.8	4.6	0.08	< 0.005	—	7.0
Total	—	—	—	—	—	—	—	—	—	—	0.73	3.8	4.6	0.08	< 0.005	—	7.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Total	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Total	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	6.1	0.00	6.1	0.61	0.00	—	21
Total	—	—	—	—	—	—	—	—	—	—	6.1	0.00	6.1	0.61	0.00	—	21

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Total	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Total	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	6.1	0.00	6.1	0.61	0.00	—	21
Total	—	—	—	—	—	—	—	—	—	—	6.1	0.00	6.1	0.61	0.00	—	21

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Library	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/1/2027	12/29/2027	5.0	20	—

Site Preparation	Site Preparation	12/30/2027	1/26/2028	5.0	20	—
Grading	Grading	1/27/2028	3/8/2028	5.0	30	—
Building Construction	Building Construction	4/6/2028	7/1/2029	5.0	322	—
Architectural Coating	Architectural Coating	7/2/2029	7/31/2029	5.0	22	—
Trenching	Trenching	3/9/2028	4/5/2028	5.0	20	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.0	8.0	84	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.0	33	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.0	148	0.41
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.0	7.0	84	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.0	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.0	84	0.37
Building Construction	Welders	Diesel	Average	3.0	8.0	46	0.45
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48

Trenching	Trenchers	Diesel	Average	1.00	8.0	40	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.0	8.0	84	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.0	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.0	33	0.73
Site Preparation	Graders	Diesel	Tier 4 Final	1.00	8.0	148	0.41
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.0	84	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.0	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.0	7.0	84	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.0	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.0	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.0	84	0.37
Building Construction	Welders	Diesel	Tier 4 Final	3.0	8.0	46	0.45
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.0	37	0.48
Trenching	Trenchers	Diesel	Tier 4 Final	1.00	8.0	40	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Demolition	Worker	13	19	LDA,LDT1,LDT2
Demolition	Vendor	—	10	HHDT,MHDT
Demolition	Hauling	8.7	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.5	19	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.0	19	LDA,LDT1,LDT2
Grading	Vendor	—	10	HHDT,MHDT
Grading	Hauling	8.3	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	31	19	LDA,LDT1,LDT2
Building Construction	Vendor	12	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	Worker	6.2	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	2.5	19	LDA,LDT1,LDT2
Trenching	Vendor	—	10	HHDT,MHDT
Trenching	Hauling	0.00	20	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	13	19	LDA,LDT1,LDT2

Demolition	Vendor	—	10	HHDT,MHDT
Demolition	Hauling	8.7	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.5	19	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.0	19	LDA,LDT1,LDT2
Grading	Vendor	—	10	HHDT,MHDT
Grading	Hauling	8.3	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	31	19	LDA,LDT1,LDT2
Building Construction	Vendor	12	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	Worker	6.2	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	2.5	19	LDA,LDT1,LDT2
Trenching	Vendor	—	10	HHDT,MHDT
Trenching	Hauling	0.00	20	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	110,837	36,946	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	15,000	0.00
Site Preparation	—	—	19	0.00	0.00
Grading	—	2,000	30	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Library	Wood Fireplaces	0	0
Library	Gas Fireplaces	0	0
Library	Propane Fireplaces	0	0
Library	Electric Fireplaces	0	0
Library	No Fireplaces	0	0
Library	Conventional Wood Stoves	0	0
Library	Catalytic Wood Stoves	0	0
Library	Non-Catalytic Wood Stoves	0	0
Library	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

—	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

undefined	0.00	0.00	110,837	36,946	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Library	707,068	532	0.0330	0.0040	3,173,643

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Library	707,068	532	0.0330	0.0040	3,173,643

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Library	2,311,969	31,711

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Library	2,311,969	31,711

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Library	68	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Library	68	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Library	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Library	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
Library	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00

Library	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Library	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Library	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
Library	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Library	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	16	annual days of extreme heat
Extreme Precipitation	3.5	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	17	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	80
AQ-PM	92
AQ-DPM	25
Drinking Water	98
Lead Risk Housing	3.4

Pesticides	0.00
Toxic Releases	66
Traffic	24
Effect Indicators	—
CleanUp Sites	84
Groundwater	66
Haz Waste Facilities/Generators	27
Impaired Water Bodies	44
Solid Waste	0.00
Sensitive Population	—
Asthma	23
Cardio-vascular	75
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	84
Housing	—
Linguistic	67
Poverty	27
Unemployment	3.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—

Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	64.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	5.8
Physically Disabled	16.6
Heart Attack ER Admissions	14.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	97.9
Elderly	97.6
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	54.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	86.9
Traffic Density	0.0

Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Trenching

Appendix B:

AERMOD Model Printouts

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 12/12/2025
** File: C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco Library Student Services.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "Norco Library Student Services.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA1       AREAPOLY   447368.971  3753087.733      184.550
** DESCRSRC Construction DPM
```

```
   LOCATION PAREA2       AREAPOLY   447280.367  3753032.646      183.090
** DESCRSRC Trenching
** Source Parameters **
   SRCPARAM PAREA1       8.903E-07     1.000         4
   AREAVERT PAREA1       447368.971 3753087.733 447374.095 3753061.384
   AREAVERT PAREA1       447435.211 3753071.265 447430.453 3753099.078
   SRCPARAM PAREA2       4.5528E-10     1.000        11
   AREAVERT PAREA2       447280.367 3753032.646 447296.731 3752938.233
   AREAVERT PAREA2       447352.121 3752936.974 447343.309 3752989.845
   AREAVERT PAREA2       447517.029 3753013.763 447504.440 3753086.776
   AREAVERT PAREA2       447436.463 3753142.165 447360.932 3753132.095
   AREAVERT PAREA2       447369.744 3753099.365 447357.156 3753093.071
   AREAVERT PAREA2       447364.709 3753057.823
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Norco Library Student Services.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "..\..\Met Data\PerrisADJU (2)\PERI_V9_ADJU\PERI_v9.SFC"
   PROFFILE "..\..\Met Data\PerrisADJU (2)\PERI_V9_ADJU\PERI_v9.PFL"
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
```

```
   PROFBASE 0.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Norco Library Student Services.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "Norco Library Student Services.AD\PE00GALL.PLT" 32
   SUMMFILE "Norco Library Student Services.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      74       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187      74       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *********************************
```

```
 *** SETUP Finishes Successfully ***
 ************************************

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
    14:17:00

    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions
```

```
 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      2 Source(s);       1 Source Group(s); and     235 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      2 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     0.00 ;  Decay Coef. =    0.000     ;  Rot. Angle
=     0.0
```

```
                 Emission Units = GRAMS/SEC                                     ;  Emission Rate Unit Factor =
0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Norco Library Student Services.err

 **File for Summary of Results:   Norco Library Student Services.sum

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
    14:17:00

    PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                          *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - -

 PAREA1           0   0.89030E-06  447369.0 3753087.7   184.6     1.00       4         0.00     NO
 PAREA2           0   0.45528E-09  447280.4 3753032.6   183.1     1.00      11         0.00     NO
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	PAREA1 , PAREA2 ,

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1   ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

447026.1, 447076.6, 447127.1, 447177.7, 447228.2, 447278.8, 447329.3, 447379.8, 447430.4,
447480.9,
447531.5, 447582.0, 447632.5, 447683.1, 447733.6,

*** Y-COORDINATES OF GRID ***
(METERS)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	447026.06	447076.60	447127.14	447177.68	447228.22	447278.76	447329.30	447379.84	447430.38	
3753292.14	182.00	182.00	182.60	183.80	185.80	187.40	188.80	189.80	190.30	
3753251.28	182.00	182.00	182.60	183.80	185.80	187.20	188.30	189.00	189.10	
3753210.42	182.00	182.00	182.40	183.40	185.40	186.50	187.30	187.80	188.00	
3753169.56	182.00	182.00	182.10	183.00	184.90	185.80	186.40	186.50	187.00	
3753128.70	182.00	182.00	182.00	182.70	184.30	185.00	185.40	185.40	186.00	
3753087.84	182.00	182.00	182.00	182.40	183.40	184.10	184.60	184.60	185.10	
3753046.98	182.00	182.00	182.00	182.20	182.80	183.30	183.70	183.70	184.20	
3753006.12	182.00	182.00	182.00	182.10	182.40	182.60	182.80			

```
182.80       183.40
  3752965.26 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.50
  3752924.40 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.30
  3752883.54 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752842.68 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752801.82 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752760.96 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752720.10 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
    14:17:00

    PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     447480.92    447531.46    447582.00    447632.54    447683.08    447733.62
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - -

  3753292.14 |        190.50       190.50       190.80       191.20       191.80       192.00
  3753251.28 |        189.20       189.20       189.70       190.30       191.00       191.10
  3753210.42 |        188.20       188.20       188.60       189.00       189.70       189.90
  3753169.56 |        187.30       187.30       187.40       187.70       188.40       188.60
```

```
186.50       187.00
  3753128.70 |        182.00       182.00       182.00       182.70       184.30       185.00       185.40
185.40       186.00
  3753087.84 |        182.00       182.00       182.00       182.40       183.40       184.10       184.60
184.60       185.10
  3753046.98 |        182.00       182.00       182.00       182.20       182.80       183.30       183.70
183.70       184.20
  3753006.12 |        182.00       182.00       182.00       182.10       182.40       182.60       182.80
182.80       183.40
  3752965.26 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.50
  3752924.40 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.30
  3752883.54 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752842.68 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752801.82 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752760.96 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
  3752720.10 |        182.00       182.00       182.00       182.00       182.00       182.00       182.00
182.00       182.00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
    14:17:00

    PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
```

(METERS)	447480.92	447531.46	447582.00	447632.54	447683.08	447733.62
3753292.14	190.50	190.50	190.80	191.20	191.80	192.00
3753251.28	189.20	189.20	189.70	190.30	191.00	191.10
3753210.42	188.20	188.20	188.60	189.00	189.70	189.90
3753169.56	187.30	187.30	187.40	187.70	188.40	188.60
3753128.70	186.50	186.50	186.50	186.60	187.10	187.20
3753087.84	185.60	185.60	185.60	185.60	185.80	185.90
3753046.98	184.70	184.70	184.70	184.70	184.70	184.70
3753006.12	183.80	183.80	183.80	183.80	183.80	183.80
3752965.26	183.00	183.00	183.00	183.00	183.00	183.00
3752924.40	182.50	182.50	182.50	182.50	182.50	182.50
3752883.54	182.10	182.10	182.10	182.10	182.10	182.10
3752842.68	182.00	182.00	182.00	182.00	182.00	182.00
3752801.82	182.00	182.00	182.00	182.00	182.00	182.00
3752760.96	182.00	182.00	182.00	182.00	182.00	182.00
3752720.10	182.00	182.00	182.00	182.00	182.00	182.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(447128.7, 3752865.5, 182.0, 182.0, 0.0); (447190.5, 3752862.6, 182.0, 182.0, 0.0);
(447231.1, 3752860.5, 182.0, 182.0, 0.0); (447284.0, 3752859.2, 182.0, 182.0, 0.0);
(447328.7, 3752859.9, 182.0, 182.0, 0.0); (447369.3, 3752858.5, 182.0, 182.0,

```
      0.0);
     ( 447425.0, 3752859.2,     182.0,     182.0,       0.0);         ( 447480.3, 3752855.2,     182.0,     182.0,
      0.0);
     ( 447526.2, 3752856.4,     182.0,     182.0,       0.0);         ( 447585.5, 3752853.0,     182.0,     182.0,
      0.0);
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                     *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                       (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA
FILE.
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\Met Data\PerrisADJU (2)\PERI_V9_ADJU\PERI_v9.SFC Met Version: 16216
Profile file: ..\..\Met Data\PerrisADJU (2)\PERI_V9_ADJU\PERI_v9.PFL
Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	

```
 5.5
10 01 01   1 04   -1.3  0.064 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40  294.    9.1  278.8
 5.5
10 01 01   1 05   -3.9  0.088 -9.000 -9.000 -999.   62.     15.0  0.19   0.61   1.00    0.90  205.    9.1  278.1
 5.5
10 01 01   1 06   -1.3  0.065 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40    3.    9.1  277.0
 5.5
10 01 01   1 07   -8.0  0.125 -9.000 -9.000 -999.  106.     21.0  0.19   0.61   1.00    1.30   99.    9.1  277.0
 5.5
10 01 01   1 08   -3.3  0.086 -9.000 -9.000 -999.   61.     16.8  0.19   0.61   0.54    0.90  319.    9.1  278.8
 5.5
10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90  239.    9.1  284.2
 5.5
10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40  188.    9.1  289.2
 5.5
10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70  310.    9.1  290.9
 5.5
10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20  357.    9.1  293.1
 5.5
10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20  356.    9.1  293.8
 5.5
10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20   50.    9.1  294.2
 5.5
10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80   53.    9.1  293.8
 5.5
10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80   11.    9.1  292.5
 5.5
10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90  351.    9.1  290.4
 5.5
10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90  186.    9.1  287.5
 5.5
10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90  275.    9.1  285.9
 5.5
10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40  181.    9.1  285.4
 5.5
10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30  318.    9.1  284.9
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 5.5
10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90  196.    9.1  283.1
 5.5
10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90  330.    9.1  281.4
 5.5
10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30  332.    9.1  280.9
 5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
    14:17:00

    PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
 ***
                                INCLUDING SOURCE(S):     PAREA1      , PAREA2      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF DPM      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     447026.06    447076.60    447127.14    447177.68    447228.22    447278.76    447329.30
447379.84    447430.38
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - -
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  3753292.14 |       0.01714      0.02279      0.03217      0.04863      0.07607      0.11417      0.15245
0.16222      0.13614
  3753251.28 |       0.01635      0.02158      0.03023      0.04599      0.07641      0.13034      0.20019
0.23309      0.19318
  3753210.42 |       0.01566      0.02046      0.02831      0.04258      0.07226      0.13981      0.26724
0.36711      0.29513
  3753169.56 |       0.01506      0.01952      0.02661      0.03932      0.06577      0.13472      0.34438
0.66352      0.51285
  3753128.70 |       0.01428      0.01846      0.02502      0.03648      0.05967      0.11895      0.37994
1.50781      1.17021
  3753087.84 |       0.01337      0.01715      0.02302      0.03307      0.05300      0.10204      0.30890
6.61839      6.09733
  3753046.98 |       0.01262      0.01599      0.02109      0.02947      0.04515      0.08142      0.20055
1.24863      1.53000
  3753006.12 |       0.01172      0.01455      0.01870      0.02523      0.03696      0.06334      0.12976
0.32796      0.56124
  3752965.26 |       0.01055      0.01290      0.01635      0.02190      0.03155      0.04963      0.08734
0.16086      0.26885
  3752924.40 |       0.00953      0.01166      0.01486      0.01973      0.02715      0.03901      0.06036
0.09983      0.15438
  3752883.54 |       0.00886      0.01090      0.01372      0.01760      0.02310      0.03131      0.04491
0.06895      0.09957
  3752842.68 |       0.00841      0.01021      0.01250      0.01555      0.01973      0.02573      0.03523
0.05089      0.06989
  3752801.82 |       0.00795      0.00942      0.01130      0.01375      0.01700      0.02157      0.02855
0.03936      0.05195
  3752760.96 |       0.00741      0.00865      0.01022      0.01221      0.01481      0.01838      0.02371
0.03152      0.04029
  3752720.10 |       0.00688      0.00795      0.00927      0.01090      0.01303      0.01588      0.02007
0.02591      0.03227
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
    14:17:00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)					
	447480.92	447531.46	447582.00	447632.54	447683.08	447733.62
3753292.14	0.10275	0.06817	0.04247	0.02762	0.01935	0.01447
3753251.28	0.13082	0.07548	0.04337	0.02768	0.01939	0.01466
3753210.42	0.16477	0.07950	0.04361	0.02795	0.01973	0.01481
3753169.56	0.19855	0.08037	0.04368	0.02786	0.01930	0.01417
3753128.70	0.21421	0.07864	0.04172	0.02616	0.01810	0.01341
3753087.84	0.21157	0.07633	0.04108	0.02626	0.01846	0.01381
3753046.98	0.28787	0.09163	0.04696	0.02937	0.02038	0.01510
3753006.12	0.29740	0.11037	0.05333	0.03217	0.02198	0.01618
3752965.26	0.22841	0.11979	0.06087	0.03556	0.02355	0.01700
3752924.40	0.16125	0.11254	0.06590	0.03948	0.02574	0.01818
3752883.54	0.11353	0.09588	0.06580	0.04231	0.02804	0.01966
3752842.68	0.08233	0.07813	0.06131	0.04323	0.02981	0.02114
3752801.82	0.06174	0.06284	0.05445	0.04206	0.03069	0.02231
3752760.96	0.04776	0.05067	0.04709	0.03929	0.03053	0.02301
3752720.10	0.03798	0.04127	0.04029	0.03569	0.02941	0.02316

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
447128.72	3752865.46	0.01328	447190.55	3752862.61	0.01759
447231.12	3752860.55	0.02144	447284.05	3752859.18	0.02867
447328.74	3752859.86	0.03868	447369.30	3752858.49	0.05239
447424.98	3752859.18	0.07769	447480.26	3752855.25	0.09050
447526.16	3752856.37	0.08556	447585.49	3752853.01	0.06128

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 447026.06	447076.60	447127.14	447177.68	447228.22
3753292.1	2.01751 (11111608)	2.38888 (15032307)	2.80308 (15061606)	3.35470 (16062306)	3.85378 (15062406)
3753251.3	2.15621 (11111608)	2.66907 (11111608)	2.89538 (15032307)	3.73846 (15061606)	4.41896 (16061606)
3753210.4	2.47404 (15061706)	2.64110 (15061706)	3.38791 (11111608)	3.88039 (11111608)	5.26546 (15061606)
3753169.6	2.45261 (15062706)	2.73111 (11060106)	3.73282 (15061706)	4.43169 (15061706)	6.20052 (11111608)
3753128.7	2.59505 (16060506)	2.97359 (16060506)	3.74053 (15062706)	5.02160 (15062706)	6.71977 (15061706)
3753087.8	2.24200 (16062206)	2.80047 (16062206)	3.61310 (16062206)	4.91514 (16062206)	7.25226 (16062206)
3753047.0	2.67650 (11062206)	3.27630 (11062206)	4.05827 (11062206)	5.08227 (11062206)	7.38212 (11033007)
3753006.1	2.63253 (11033007)	3.17292 (11033007)	3.74304 (16021108)	4.62595 (16021108)	6.60535 (16032507)
3752965.3	2.43519 (16021108)	2.57350 (16021108)	3.58011 (16032507)	4.13514 (16032507)	4.44402 (11120908)
3752924.4	2.34476 (16032507)	2.75019 (16032507)	2.80787 (11120908)	3.07649 (16062006)	4.65528 (16062006)
3752883.5	1.93064 (16032507)	2.17074 (11120908)	2.42532 (16062006)	3.46491 (16062006)	4.16572 (14070906)
3752842.7	1.68543 (11120908)	1.97704 (16062006)	2.70732 (16062006)	2.99418 (14070906)	3.25172 (16062906)
3752801.8	1.65344 (16062006)	2.19202 (16062006)	2.22400 (14100307)	2.66708 (14070906)	3.05099 (16062906)

                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
  ***
                                INCLUDING SOURCE(S):   PAREA1   , PAREA2   ,

                                 *** NETWORK ID: UCART1   ; NETWORK TYPE: GRIDCART ***

                                      ** CONC OF DPM   IN MICROGRAMS/M**3   **

  Y-COORD | X-COORD (METERS)
  (METERS) | 447278.76   447329.30   447379.84   447430.38
447480.92
 -
- - - - - - - - -

 3753292.1 | 4.31122 (15062906)   4.33362 (15021508)   4.70963 (16093007)   4.57478 (10021508)
4.35303 (15061906)
 3753251.3 | 5.10535 (14021408)   5.45124 (11062006)   5.97887 (16093007)   5.80041 (10021508)
5.73593 (14021308)
 3753210.4 | 6.17756 (16061606)   7.37525 (15062906)   7.91679 (15120808)   7.95737 (10060506)
7.61540 (14120708)
 3753169.6 | 8.12624 (15061606)   10.11315 (15062406)   11.48104 (14020408)   11.78573 (15061906)
10.88344 (15062106)
 3753128.7 | 9.88142 (15061706)   15.24410 (15061606)   18.29647 (14062106)   20.95027 (14021308)
15.58204 (15022008)

```
 3753087.8 |     11.83252 (16062206)     23.65870 (16060506)     47.00740 (15062706)     52.93887 (16060306)
22.22941 (14033107)
 3753047.0 |     11.05568 (16021108)     20.44674 (16032507)     27.63326 (16062906)     23.54819 (11100207)
15.23104 (15020508)
 3753006.1 |      7.84693 (11120908)     12.47505 (14070906)     13.44313 (15062006)     12.93390 (10060406)
11.30841 (11100207)
 3752965.3 |      6.87208 (14100307)      8.58181 (16062906)      8.88609 (15062006)      8.67632 (11112708)
7.98271 (14032907)
 3752924.4 |      5.50575 (14070906)      6.52665 (14060906)      6.11200 (15062006)      6.39455 (15061806)
6.04216 (10061506)
 3752883.5 |      4.68725 (16062906)      4.70934 (14060906)      4.77828 (10062506)      5.18884 (15061806)
4.72782 (10060406)
 3752842.7 |      3.93222 (16062606)      3.75278 (15062006)      3.89026 (10062506)      4.26359 (15061806)
4.04727 (10060406)
 3752801.8 |      3.35565 (14060906)      3.45696 (15062006)      3.22342 (10062506)      3.52165 (15061806)
3.44338 (11112708)
 3752761.0 |      2.65224 (14060906)      3.01731 (15062006)      2.71280 (10062506)      2.94684 (16021408)
2.82631 (11112708)
 3752720.1 |      2.06844 (15120208)      2.54881 (15062006)      2.31348 (10062506)      2.59041 (16021408)
2.37209 (15020908)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Projects\Norco Library Student Services\Norco L ***
      12/12/25
 *** AERMET - VERSION  16216 ***   ***                                                                    ***
    14:17:00

    PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL
  ***
                                INCLUDING SOURCE(S):     PAREA1      , PAREA2      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF DPM      IN MICROGRAMS/M**3                          **
```

Y-COORD (METERS)	X-COORD (METERS)				
	447531.46	447582.00	447632.54	447683.08	447733.62
3753292.1	4.10193 (14120708)	3.70706 (15062106)	3.17780 (11052006)	2.54500 (15101507)	2.20558 (15022008)
3753251.3	4.80336 (15062106)	4.33134 (11052006)	3.34963 (15101507)	2.90940 (15022008)	2.18154 (11020708)
3753210.4	6.62174 (15120708)	4.71662 (15101507)	3.93557 (15022008)	3.10788 (16070106)	2.63633 (16070106)
3753169.6	7.30647 (15101507)	5.31949 (16070106)	4.38897 (16070106)	2.69705 (16070106)	2.24517 (16060306)
3753128.7	9.59498 (16070106)	5.75205 (16060306)	5.00578 (16060306)	3.99722 (16060306)	3.18496 (14033107)
3753087.8	10.92822 (14033107)	6.50553 (14033107)	4.49174 (15032607)	3.42557 (15032607)	2.72869 (15032607)
3753047.0	10.45676 (15020508)	5.67717 (14040407)	4.56422 (14040407)	3.64586 (14040407)	2.94028 (14040407)
3753006.1	7.36469 (14120808)	5.09907 (15020508)	4.83606 (15020508)	3.67352 (15020508)	2.52729 (15020508)
3752965.3	6.19007 (11100207)	5.08117 (14120808)	3.55354 (14121408)	2.66228 (15020508)	2.80470 (15020508)
3752924.4	5.16560 (10053006)	4.20735 (14060306)	3.77038 (14120808)	2.64779 (14121408)	2.09830 (14121408)
3752883.5	4.36914 (14032907)	3.80639 (11100207)	3.13771 (14060306)	2.92835 (14120808)	1.93986 (14121408)
3752842.7	3.38353 (10061506)	3.11202 (11062806)	2.99478 (11100207)	2.46902 (14060306)	2.35807 (14120808)
3752801.8	3.17280 (10061506)	2.89896 (11021208)	2.54475 (10053006)	2.35861 (11100207)	2.01309 (14060306)
3752761.0	2.56470 (10060406)	2.38185 (11021208)	2.28390 (14032907)	2.04052 (10053006)	1.87475 (11100207)
3752720.1	2.43883 (10060406)	2.22488 (10061506)	2.11471 (11021208)	1.85967 (11062806)	1.76933 (11100207)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
447128.72	3752865.46	2.79054	(16062006)	447190.55	3752862.61	3.16162	(14070906)
447231.12	3752860.55	3.51053	(14070906)	447284.05	3752859.18	4.23495	(16062606)
447328.74	3752859.86	3.78286	(15120208)	447369.30	3752858.49	4.06168	(15062006)
447424.98	3752859.18	4.59232	(15061806)	447480.26	3752855.25	4.30230	(10060406)
447526.16	3752856.37	3.66760	(11021208)	447585.49	3752853.01	3.30911	(11062806)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE GRID-ID
ALL	1ST HIGHEST VALUE IS	6.61839 AT	(447379.84,	3753087.84,	184.60,	184.60,	0.00)	GC UCART1
	2ND HIGHEST VALUE IS	6.09733 AT	(447430.38,	3753087.84,	185.10,	185.10,	0.00)	GC UCART1
	3RD HIGHEST VALUE IS	1.53000 AT	(447430.38,	3753046.98,	184.20,	184.20,	0.00)	GC UCART1
	4TH HIGHEST VALUE IS	1.50781 AT	(447379.84,	3753128.70,	185.40,	185.40,	0.00)	GC UCART1
	5TH HIGHEST VALUE IS	1.24863 AT	(447379.84,	3753046.98,	183.70,	183.70,	0.00)	GC UCART1
	6TH HIGHEST VALUE IS	1.17021 AT	(447430.38,	3753128.70,	186.00,	186.00,	0.00)	GC UCART1
	7TH HIGHEST VALUE IS	0.66352 AT	(447379.84,	3753169.56,	186.50,	186.50,	0.00)	GC UCART1
	8TH HIGHEST VALUE IS	0.56124 AT	(447430.38,	3753006.12,	183.40,	183.40,	0.00)	GC UCART1
	9TH HIGHEST VALUE IS	0.51285 AT	(447430.38,	3753169.56,	187.00,	187.00,	0.00)	GC UCART1
	10TH HIGHEST VALUE IS	0.37994 AT	(447329.30,	3753128.70,	185.40,	185.40,	0.00)	GC UCART1

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 52.93887	ON 16060306:	AT (447430.38, 3753087.84, 185.10, 185.10, 0.00)	GC UCART1

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	74	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used		0.50
ME W187	74	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET		
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		2 year gap

****
*** AERMOD Finishes Successfully ***
****

Appendix B
Habitat Assessment Report

Habitat Assessment Report

Norco College LLRC and Student Services Building

Riverside Community College District

Norco, CA

October 17, 2025

1355 E. Cooley Drive
Colton, California 92324
P (909) 824-7311
F (909) 301-6016
Terracon.com

October 17, 2025

Riverside Community College District
3801 Market Street
Riverside, California 92501

Attn: Mr. Mehran Mohtasham
Director, Capital Planning, Facilities Planning and Development
P: (951) 222-8946
E: mehran.mohtasham@rccd.edu

RE: Habitat Assessment Report
Norco College LLRC and Student Services Building
2001 Third Street
Norco, Riverside County, California
Terracon Project No. CB257022

Dear Mr. Mohtasham:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Habitat Assessment Report for the above-referenced site. The following report details our findings and presents an opinion regarding the potential suitable habitat for special-status species on the site. Please feel free to contact us at 310-627-3426 or at rachel.spellenberg@terracon.com if you have any questions or concerns.

Sincerely,
Terracon

Rachel Spellenberg
Senior Staff Scientist

Kayti Christianson
Authorized Project Reviewer
Senior Scientist/Ecologist

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Appendices

Executive Summary

The proposed project involves the development of a new Library Learning Resource Center (LLRC) and Student Services building on Norco College's campus at 2001 Third Street in the city of Norco, Riverside County, California. The site currently consists of an existing parking lot (Parking Lot A) and two vacant, disturbed areas that are potential swing spaces during construction. One is west of the project site, and adjacent to Parking Lot D and West End Drive. The second optional swing space is located east of the project site and north of Parking Lot B. The purpose of this assessment is to summarize findings from desktop resources and a site visit regarding biological resources and their observed presence or potential to be present within the project site.

Terracon conducted a desktop review and site visit to evaluate the potential for presence of federally and/or state-listed species within the project site. Terracon's review of readily available species information identified no special-status plant or wildlife species that have the potential to occur on the project site. Migratory nesting bird habitat was identified within the vicinity of the sites. Terracon's resulting recommendation includes conducting pre-construction nesting bird surveys to avoid impacts to migratory birds and their nests during project activities and remain in compliance with the Migratory Bird Treaty Act (MBTA).

1. Introduction

The project site (Study Area) is located at 2001 Third Street in Norco, Riverside County, California. The site currently consists of an existing parking lot (Parking Lot A) and two vacant, disturbed areas that are potential swing spaces during construction. One is west of the project site, and adjacent to Parking Lot D and West End Drive. The second optional swing space is located east of the project site and north of Parking Lot B. The location of the site and adjoining properties are depicted on **Exhibit 1** of **Appendix A**. The Study Area is overlaid over a portion of the Corona North, California USGS 7.5-minute series topographic maps (2022) and can be viewed in **Exhibit 2a** and **Exhibit 2b**. Terracon performed a site visit on September 25, 2025.

2. Methodology

Terracon reviewed readily available resources to identify potential threatened and endangered species for the Study Area. A desktop review was completed using the United States Fish and Wildlife Service (USFWS) Information, Planning and Conservation (IPaC) service and the California Department of Fish and Wildlife's (CDFW) California Natural Diversity Database (CNDDB). The preliminary data analysis assisted Terracon in identifying potential biological resources on the site, as well as the potential for threatened/endangered species habitat.

Additionally, Terracon reviewed applicable Habitat Conservation Plans (HCPs) that the site may be subject to jurisdiction under. The Western Riverside County Multiple Species Habitat Conservation Plan (WR-MSHCP) was identified as applicable to the Study Area. The WR-MSHCP is a comprehensive, multi-jurisdictional Habitat Conservation Plan (HCP) focusing on conservation of species and their associated habitats in Western Riverside County. The WR-MSHCP encompasses approximately 1.26 million acres and includes all unincorporated Riverside County land west of the crest of the San Jacinto Mountains to the Orange County Line (RCTLMA 2025). This evaluation is informed by the WR-MSHCP which provides guidance on assessing impacts to sensitive species and their habitats.

3. Summary of Findings

3.1 Special-Status Plants

The records search of IPaC and CNDDB identified ten (10) plant species that have the potential to be present on the project site: Munz's onion (*Allium munzii*), San Diego ambrosia (*Ambrosia pumila*), marsh sandwort (*Arenaria paludicola*), Braunton's milk-vetch (*Astragalus brauntonii*), Nevin's barberry (*Berberis nevinii*), thread-leaved brodiaea (*Brodiaea filifolia*), salt marsh bird's-beak (*Chloropyron maritimum* ssp. *maritimum*), San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*), slender-horned spineflower (*Dodecahema leptoceras*), and Santa Ana river woollystar (*Eriastrum densifolium* ssp. *sanctorum*). The species and their habitats are summarized in **Table 1** below.

3.2 Special-Status Wildlife

Based on the database review of IPaC and CNDDB, Terracon identified 22 special-status wildlife species (threatened, endangered, or candidate threatened/endangered), 25 California Species of Special Concern or Fully Protected species, and 23 migratory bird species that required evaluation for potential to occur in the Study Area.

The special-status species that required evaluation include southwestern pond turtle (*Actinemys pallida*), tricolored blackbird (*Agelaius tricolor*), arroyo toad (*Anaxyrus californicus*), burrowing owl (*Athene cunicularia*), Crotch's bumble bee (*Bombus crotchii*), Swainson's hawk (*Buteo swainsoni*), San Diego fairy shrimp (*Branchinecta sandiegonensis*) Santa Ana sucker (*Catostomus santaanae*), western yellow-billed cuckoo (*Coccyzus americanus occidentalis*), monarch butterfly (*Danaus plexippus*), San Bernardino kangaroo rat (*Dipodomys merriami parvus*), Stephens' kangaroo rat (*Dipodomys stephensi*), southwestern willow flycatcher (*Empidonax traillii extimus*), quino checkerspot butterfly (*Euphydryas editha quino*), bald eagle (*Haliaeetus leucocephalus*), California black rail (*Laterallus jamaicensis coturniculus*), steelhead (*Oncorhynchus mykiss irideus* pop. 10), coastal California gnatcatcher (*Polioptila californica californica*), Delhi Sands flower-loving fly (*Rhaphiomidas terminatus abdominalis*), Santa Ana speckled dace (*Rhinichthys gabrielino*), western spadefoot (*Spea hammondii*), and least Bell's vireo (*Vireo bellii pusillus*).

The California species listed as Species of Special Concern or Fully Protected that required evaluation include grasshopper sparrow (*Ammodramus savannarum*), southern California legless lizard (*Anniella stebbinsi*), pallid bat (*Antrozous pallidus*), golden eagle (*Aquila chrysaetos*), California glossy snake (*Arizona elegans occidentalis*), long-eared owl (*Asio otus*), coastal whiptail (*Aspidoscelis tigris stejnegeri*), coastal cactus wren (*Campylorhynchus brunneicapillus sandiegensis*), San Diego banded gecko (*Coleonyx variegatus abbotti*), yellow rail (*Coturnicops noveboracensis*), red-diamond rattlesnake (*Crotalus ruber*), white-tailed kite (*Elanus leucurus*), western mastiff bat (*Eumops perotis californicus*), arroyo chub (*Gila orcuttii*), yellow-breasted chat (*Icteria virens*), western yellow bat (*Lasiurus xanthinus*), San Diego desert woodrat (*Neotoma lepida intermedia*), pocketed free-tailed bat (*Nyctinomops femorosaccus*), big free-tailed bat (*Nyctinomops macrotis*), Los Angeles pocket mouse (*Perognathus longimembris brevinasus*), coast horned lizard (*Phrynosoma blainvillii*), coast patch-nosed snake (*Salvadora hexalepis virgultea*), yellow warbler (*Setophaga petechia*), two-striped gartersnake (*Thamnophis hammondii*), AND south coast gartersnake (*Thamnophis sirtalis* pop. 1).

The migratory bird species that required evaluation include Allen's hummingbird (*Selasphorus sasin*), bald eagle (*Haliaeetus leucocephalus*), Belding's savannah sparrow (*Passerculus sandwichensis beldingi*), black skimmer (*Rynchops niger*), Bullock's oriole (*Icterus bullockii*), California gull (*Larus californicus*), California thrasher (*Toxostoma redivivum*), Clark's grebe (*Aechmophorus clarkii*), common yellowthroat (*Geothlypis trichas sinuosa*), golden eagle (*Aquila chrysaetos*), Lawrence's goldfinch (*Spinus lawrencei*), northern harrier (*Circus hudsonius*), Nuttall's woodpecker (*Dryobates nuttallii*), oak titmouse (*Baeolophus inornatus*), olive-sided flycatcher (Contopus cooper*i*), Santa Barbara song sparrow (*Melospiza melodia graminea*), short-billed dowitcher (*Limnodromus griseus*), tricolored blackbird (*Agelaius tricolor*), western grebe (*Aechmophorus occidentalis*), western gull (*Larus occidentalis*), western screech-owl (*Megascops kennicottii cardonensis*), willet (*Tringa semipalmata*), and wrentit (*Chamaea fasciata*).

These species and their habitats are listed in **Table 1** and **Table 2** below.

Table 1.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
Plants					
Munz's onion	*Allium munzii*	FE/ST/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Pinyon and juniper woodland, Valley and foothill grassland. Blooms: March to May Elevation: 375 to 1070 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
San Diego ambrosia	*Ambrosia pumila*	FE/--/1B.1	Chaparral, Coastal scrub, Valley and foothill grassland, Vernal pools Blooms: April to October Elevation: 20 to 415 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Marsh sandwort	*Arenaria paludicola*	FE/SE/1B.1	Marshes and swamps Blooms May to August Elevation: 3 to 170 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Braunton's milk-vetch	*Astragalus brauntonii*	FE/--/1B.1	Chaparral, coastal scrub, and valley and foothill grassland. Blooms: January to August Elevation: 4 to 640 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Nevin's barberry	*Berberis nevinii*	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub Blooms: February to June Elevation: 70 to 825 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
Thread-leaved brodiaea	*Brodiaea filifolia*	FT/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal Pools Blooms: March to June Elevation: 25 to 1120 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Salt marsh bird's-beak	*Chloropyron maritimum* ssp. *maritimum*	FE/SE/1B.1	Coastal dunes, Marshes and swamps Blooms: May to November Elevation: 0 to 30 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
San Fernando Valley spineflower	*Chorizanthe parryi* var. *fernandina*	--/SE/1B.1	Coastal scrub (sandy), and valley and foothill grassland. Blooms: April to July Elevation: 150 to 1220 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Slender-horned spineflower	*Dodecahema leptoceras*	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub Blooms: April to June Elevation: 200 to 760 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Santa Ana river woollystar	*Eriastrum densifolium* ssp. *sanctorum*	FE/SE/1B.1	Chaparral, Coastal scrub Blooms: April to September Elevation: 91 to 610 m	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Invertebrates					
Crotch's bumble bee	*Bombus crotchii*	--/SC/--	Coastal California east to the Sierra-Cascade crest and south into Mexico. Shrubland and grassland habitat. Food plant genera include milkweeds, lupines, medics, sages, clarkia, poppies, and wild buckwheats.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
San Diego fairy shrimp	*Branchinecta sandiegonensis*	FE/--/--	Generally restricted to vernal pools in coastal southern California and northwestern Baja California, Mexico. San Diego fairy shrimp are usually observed from January to March when seasonal rainfall fills vernal pools and initiates cyst (egg) hatching.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Monarch butterfly	*Danaus plexippus*	PE/--/--	Grasslands and milkweed plants. Low incidence in California during winter. Critically important wintering areas in Coastal California.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Quino checkerspot butterfly	*Euphydryas editha quino*	FE/SC/--	Scrub habitats including California sagebrush, chamise and non-native/native grasslands.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Delhi Sands flower-loving fly	*Rhaphiomidas terminatus abdominalis*	FE/--/--	Found only in areas of the Delhi Sands formation in southwestern San Bernardino and northwestern Riverside counties. Requires fine, sandy soils, often with wholly or partly consolidated dunes and sparse vegetation. Oviposition requires shade.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Mammals					
Pallid bat	*Antrozous pallidus*	--/--/BLMS, SSC	Common species of low elevations in California. It occupies a wide variety of habitats including grasslands, shrublands, woodlands, and forests from sea level up through mixed conifer forests. The species is most common in open, dry habitats with rocky areas for roosting.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
San Bernardino kangaroo rat	*Dipodomys merriami parvus*	FE/SE/SSC	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains, Coastal scrub.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Stephens' kangaroo rat	*Dipodomys stephensi*	FT/ST/--	Primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Western mastiff bat	*Eumops perotis californicus*	--/--/BLMS, SSC	Desert, Woodland Hardwood, Woodland, Shrubland/chaparral, Cliff, Grassland/herbaceous, Bare rock/talus/scree. Roosts in crevices and shallow caves on the sides of cliffs and rock walls, and occasionally buildings. Roosts high above ground with unobstructed approach.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Western yellow bat	*Lasiurus xanthinus*	--/--/SSC	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
San Diego desert woodrat	*Neotoma lepida intermedia*	--/--/SSC	Coastal scrub of Southern California from San Diego County to San Luis Obispo County. Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Pocketed free-tailed bat	*Nyctinomops femorosaccus*	--/--/SSC	Found in a variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, and desert riparian scrub. Rocky areas with high cliffs.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
Big free-tailed bat	*Nyctinomops macrotis*	--/--/SSC	Low-lying arid areas in Southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Los Angeles pocket mouse	*Perognathus longimembris brevinasus*	--/--/BLMS, SSC	Coastal scrub, Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin. Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Fish					
Santa Ana sucker	*Catostomus santaanae*	FT/--/SSC	Primarily found in small to medium freshwater stream systems.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Arroyo chub	*Gila orcuttii*	--/--/SSC	Native to streams from Malibu Creek to San Luis Rey River Basin. Introduced into streams in the San Diego River Basin. Slow water stream sections with mud or sand bottoms.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Steelhead – southern California DPS	*Oncorhynchus mykiss irideus* pop. 10	FE/SE/--	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County). Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions. Aquatic and South coast flowing waters.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
Santa Ana speckled dace	*Rhinichthys gabrielino*	PT/--/SSC	Headwaters of the Santa Ana and San Gabriel rivers. May be extirpated from the Los Angeles River system. Requires permanent flowing streams with summer water temps of 17-20 C. Usually inhabits shallow cobble and gravel riffles. Aquatic and South coast flowing waters.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Amphibians					
Arroyo toad	*Anaxyrus californicus*	FE/--/SSC	Found in desert washes, riparian scrub and woodlands, and south coast flowing and standing waters.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Western spadefoot	*Spea hammondii*	PT/--/SSC	Occurs primarily in grassland, coastal scrub, valley-foothill woodlands, and vernal pool habitats.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Reptiles					
Southwestern pond turtle	*Actinemys pallida*	PT/--/SSC	Found in ponds, marshes, rivers, streams, and irrigation ditches, usually with aquatic vegetation and in proximity to adequate basking sites.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Southern California legless lizard	*Anniella stebbinsi*	--/--/SSC	Broadleaved upland forest, Chaparral, Coastal dunes, Coastal scrub. Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
California glossy snake	*Arizona elegans occidentalis*	--/--/SSC	Variety of scrub and grassland habitats, often with loose or sandy soils.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Coastal whiptail	*Aspidoscelis tigris stejnegeri*	--/--/SSC	Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland and riparian areas.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
San Diego banded gecko	*Coleonyx variegatus abbotti*	--/--/SSC	Chaparral, Coastal scrub. Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Red-diamond rattlesnake	*Crotalus ruber*	--/--/SSC	Chaparral, Mojavean desert scrub, Sonoran desert scrub. Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Coast horned lizard	*Phrynosoma blainvillii*	--/--/SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Coast patch-nosed snake	*Salvadora hexalepis virgultea*	--/--/SSC	Coastal scrub, Brushy or shrubby vegetation in coastal Southern California.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Two-striped gartersnake	*Thamnophis hammondii*	--/--/SSC	Coastal California from central to Baja. Sea level to 7,000 ft elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky bed and riparian growth.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
South coast gartersnake	*Thamnophis sirtalis* pop. 1	--/--/SSC	Southern California coastal plain from Ventura County to San Diego County, and from sea level to about 850 m. Marsh and upland habitats near permanent water with good strips of riparian vegetation.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
Birds					
Tricolored blackbird	*Agelaius tricolor*	--/ST/SSC	Typically inhabits freshwater marshes, swamps, and wetlands. Requires open water, protected nesting and foraging area within a few kilometers of the colony.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Grasshopper sparrow	*Ammodramus savannarum*	--/--/SSC	Dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes. Favors native grasslands with a mix of grasses, forbs and scattered shrubs. Loosely colonial when nesting.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Golden eagle	*Aquila chrysaetos*	--/--/BLMS, FP	Rolling foothills, mountain areas, sage-juniper flats, and desert habitats.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Long-eared owl	*Asio otus*	--/--/SSC	Cismontane woodland, Great Basin scrub, Riparian forest, Riparian woodland, Upper montane coniferous forest. Require adjacent open land, productive of mice and the presence of old nests of crows, hawks, or magpies for breeding.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Burrowing owl	*Athene cunicularia*	FC/--/SSC, BLMS	Prefer open, dry annual or perennial grasslands, deserts and scrublands. Specifically, creosote bush scrub with flat, sandy soils. They are subterranean nesters, dependent on other burrowing mammals, most notably the ground squirrel.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
Swainson's hawk	*Buteo swainsoni*	--/ST/BLMS	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa fields supporting rodent populations.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Coastal cactus wren	*Campylorhynchus brunneicapillus sandiegensis*	--/--/SSC	Tijuana and Valle de las Palomas regions of northwestern Baja California north through San Diego County to San Juan Creek in Orange County, California. In San Diego County, concentrated along the Otay River and its tributaries, near Lake Jennings, in the interior valleys of the San Dieguito River, and near the Santa Margarita River. Mostly within 32 km of the Pacific coast and at elevations below 150 m (but up to 450 m in a few areas).	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*	FT/SE/BLMS	Uses a variety of riparian habitats. Cottonwood and willow trees are important foraging habitat in areas where the species has been studied in California. Appears to require large blocks of riparian habitat for nesting.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Yellow rail	*Coturnicops noveboracensis*	--/--/SSC	Found in freshwater marshlands and meadow and seep habitats. Summer resident in eastern Sierra Nevada in Mono County.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
White-tailed kite	*Elanus leucurus*	--/--/BLMS, FP	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. Dense-topped trees from nesting and perching.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Southwestern willow flycatcher	*Empidonax traillii extimus*	FE/SE/--	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Breeds in dense riparian vegetation near surface water or saturated soils in the American Southwest.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Bald eagle	*Haliaeetus leucocephalus*	FD/SE-BLMS, FP	Nests in large, old-growth, or dominant live trees with open branches, especially ponderosa pine. Roosts communally in winter. Ocean shore, lake margins, and rivers for both nesting and wintering. Most nests within 1 mile of water	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Yellow-breasted chat	*Icteria virens*	--/--/SSC	Found in riparian forests, scrub, and woodlands.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
California black rail	*Laterallus jamaicensis coturniculus*	--/ST/FP	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Coastal California gnatcatcher	*Polioptila californica californica*	FT/--/SSC	Permanent resident of coastal sage scrub below 2500 ft in Southern California population.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

Special-Status Species Potentially Occurring within the Study Area					
Common Name	***Scientific Name***	***Status Fed/CA/ other***	***Habitat and Seasonal Distribution in California***	***Habitat Present/ Absent***	***Likelihood of Occurrence Within the Study Area***
Yellow warbler	*Setophaga petechia*	--/--/SSC	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	Absent	**Not Expected:** No suitable habitat present in the Study Area.
Least Bell's vireo	*Vireo bellii pusillus*	FE/SE/--	Inhabits low-elevation, riparian habitats with a dense shrub understory that is near water. The ideal habitat contains both canopy and shrub layers. They prefer to nest in willows but will also use shrubs, trees, and vines. Most least Bell's vireos are found below 2,000 feet elevation. Their breeding range is primarily coastal southern California, but they also occur at isolated oases in Mojave, Colorado and Vizcaino deserts.	Absent	**Not Expected:** No suitable habitat present in the Study Area.

SOURCE:

- CDFW Natural Diversity Database (CNDDB), September 2025 for the U.S. Geological Survey's (USGS) 7.5-minute Corona North quadrangle and eight surrounding quadrangles.
- California Native Plant Society (CNPS), September 2025 for the U.S. Geological Survey's (USGS) 7.5-minute Corona North quadrangle and eight surrounding quadrangles.
- U.S. Fish and Wildlife Service (USFWS), September 2025 for Riverside County and Project Area coordinates.

a. Status:

Federal

FE	Federally listed as Endangered
FT	Federally listed as Threatened
FPD	Federally Proposed for Delisting
FC	Federal Candidate
FD	Federal Delisted
PE	Proposed Endangered
PT	Proposed Threatened
S	Federally Sensitive
SC	National Marine Fisheries Service or U.S. Fish and Wildlife Service designated Species of Concern. Species of Concern status does not carry any procedural or substantive protections under the ESA.

State

SE	State-listed as Endangered
ST	State-listed as Threatened
SPD	State-Proposed for Delisting
S	State Sensitive
SR	State Rare
SC	State Candidate
PE	Proposed Endangered
WL	Watch List
SSC	California Department of Fish and Game designated "Species of Special Concern"

Other

CH	Critical Habitat
FP	California Department of Fish and Game designated "Fully Protected"– Permit required for "take"
CWL	California Department of Fish and Game designated "California Watch List"
SLC	California Native Plant Society (CNPS) Ranking Species of Local Concern
1B	California Native Plant Society (CNPS) Ranking. Defined as plants that are rare, threatened, or endangered in California and elsewhere.
2	California Native Plant Society (CNPS) Ranking. Defined as plants that are rare, threatened, or endangered in California, but more common elsewhere.
3	California Native Plant Society (CNPS) Ranking. Plants About Which More Information is Needed - A Review List.
BLMS	Bureau of Land Management Sensitive

Recent modifications to the CNPS Ranking System include the addition of a new Threat Code extension to listed species (e.g., List 1B.1, List 2.2 etc.). A Threat Code extension of x.1 signifies that a species is seriously endangered in California; x.2 is fairly endangered in California; and x.3 is not very endangered in California.

b. Likelihood of occurrence evaluations:

A rating of **"High"** indicates that all of the habitat components meeting the species requirements are present and/or most of the habitat on or adjacent to the site is highly suitable. The species has a high potential of being found on the site.

A rating of **"Moderate"** indicates that some of the habitat components meeting the species requirements are present, and/or only some of the habitat on or adjacent to the site is unsuitable. The species has a moderate potential of being found on the site.

A rating of **"Low"** indicates that few of the habitat components meeting the species requirements are present, and/or the majority of habitat on and adjacent to the site is unsuitable or of very poor quality. The species is not likely to be found on the site.

A rating of **"Present"** indicates that the species is observed on the site or has been recorded (e.g., CNDDB, other reports) on the site recently (within the last 5 years).

A rating of **"Not Expected"** indicates that habitat on and adjacent to the site is clearly unsuitable for the species requirements (foraging, breeding, cover, substrate, elevation, hydrology, plant community, site history, disturbance regime). The species is not expected to be found on the site.

3.3 Migratory Bird Treaty Act

The Migratory Bird Treaty Act of 1918 (MBTA) decrees that migratory birds and their parts (including eggs, nests, and feathers) are federally protected. The MBTA is the domestic law that affirms, or implements, the United States commitment to four international conventions (with Canada, Japan, Mexico, and Russia) for the protection of a shared migratory bird resource. Each of the conventions protect selected species of birds that are common to these countries (i.e., they occur in these countries at some point during their annual life cycle). Certain birds are protected under the MBTA and the Bald and Golden Eagle Protection Act. Activities that result in a take of migratory birds or eagles is prohibited unless permitted and authorized by the USFWS.

Based on the IPaC and CNDDB database review, Terracon identified the following migratory Bird of Conservation Concern that may require evaluation for potential to occur in the Study Area. The species are listed in **Table 2** below.

Table 2. Migratory Birds with Potential of Presence in Study Area

Species Name	Bird of Conservation Concern (BCC)	Seasonal Occurrence in Study Area
Allen's hummingbird (*Selasphorus sasin*)	Yes	Breeds Feb 1 to Jul 15
bald eagle (*Haliaeetus leucocephalus*)	No	Breeds Jan 1 to Aug 31
Belding's savannah sparrow (*Passerculus sandwichensis beldingi*)	Yes	Breeds Apr 1 to Aug 15
black skimmer (*Rynchops niger*)	Yes	Breeds May 20 to Sep 15
Bullock's oriole (*Icterus bullockii*)	Yes	Breeds Mar 21 to Jul 25
California gull (*Larus californicus*)	Yes	Breeds Mar 1 to Jul 31
California thrasher (*Toxostoma redivivum*)	Yes	Breeds Jan 1 to Jun 31
Clark's grebe (*Aechmophorus clarkii*)	Yes	Breeds Jun 1 to Aug 31
common yellowthroat (*Geothlypis trichas sinuosa*)	Yes	Breeds May 20 to Jul 31
golden eagle (*Aquila chrysaetos*)	No	Breeds Jan 1 to Aug 31
Lawrence's goldfinch (*Spinus lawrencei*)	Yes	Breeds Mar 20 to Sep 20
northern harrier (*Circus hudsonius*)	Yes	Breeds Apr 1 to Sep 15
Nuttall's woodpecker (*Dryobates nuttallii*)	Yes	Breeds Apr 1 to Jul 20
oak titmouse (*Baeolophus inornatus*)	Yes	Breeds Mar 15 to Jul 15

olive-sided flycatcher (*Contopus cooperi*)	Yes	Breeds May 20 to Aug 31
Santa Barbara song sparrow (*Melospiza melodia graminea*)	Yes	Breeds Mar 1 to Sep 5
short-billed dowitcher (*Limnodromus griseus*)	Yes	Breeds elsewhere
tricolored blackbird (*Agelaius tricolor*)	Yes	Breeds Mar 15 to Aug 10
western grebe (*Aechmophorus occidentalis*)	Yes	Breeds Jun 1 to Aug 31
western gull (*Larus occidentalis)*	Yes	Breeds Apr 21 to Aug 25
western screech-owl (Megascops kennicottii cardonensis)	Yes	Breeds Mar 1 to Jun 30
willet (*Tringa semipalmata*)	Yes	Breeds elsewhere
wrentit (*Chamaea fasciata*)	Yes	Breeds Mar 15 to Aug 10

Based on a review of readily available documentation for the Study Area including the IPaC report, CNDDB query, aerial imagery, and the site visit, the Study Area contains suitable habitat for one or more of the above-mentioned migratory birds of concern.

3.4 Compliance with the WR-MSHCP

The purpose of this section is to document existing biological resources, identify general vegetation types, and assess the potential biological and regulatory constraints associated with the proposed Project as outlined by the WR-MSHCP. The following sections summarize the Study Area's relationship with the WR-MSHCP criteria areas and compliance guidelines. The proposed Project is public development by RCCD and therefore is considered a covered activity outside of Criteria Areas.

Criteria Areas

The 9.3-acre Study Area is located entirely within the WR-MSHCP Plan Area. However, the Study Area is not located in a WR-MSHCP Criteria Area, Cell Group, or Linkage Area (WRCRCA 2025). As a result, no Habitat Evaluation, and Acquisition Negotiation Strategy, Joint Project Review, or Criteria Area Consistency Analysis is required.

Criteria Area Species Survey Area

The Study Area does not occur within a predetermined Survey Area for WR-MSHCP criteria area plant species; therefore, no criteria area plant surveys are required (WRCRCA 2025).

The proposed project is compliant with WR-MSHCP Section 6.3.2.

Narrow Endemic Plant Species Survey Area

The Study Area does not occur within a predetermined Survey Area for WR-MSHCP narrow endemic plant species but is adjacent to a survey area for San Diego ambrosia, Brand's phacelia, and San Miguel

savory. This area requires surveys if suitable habitat is present for proposed project compliance with the WR-MSHCP. No suitable habitat was observed during the September 25, 2025 site visit within the Study Area, therefore no surveys are required (WRCRCA 2025).

The proposed project is compliant with WR-MSHCP Section 6.1.3.

Amphibian Species Survey Area

The Study Area does not occur within a predetermined Amphibian Species Survey Area; therefore, no amphibian surveys are required (WRCRCA 2025).

The proposed project is compliant with WR-MSHCP Section 6.3.2 and 6.1.2.

Mammal Species Survey Area

The Study Area does not occur within a Mammal Species Survey Area; therefore, no mammal surveys are required (WRCRCA 2025).

The proposed project is compliant with WR-MSHCP Section 6.3.2.

Burrowing Owl Survey Area

The Study Area does not occur within a predetermined Survey Area for the burrowing owl but is adjacent to one. No suitable habitat was observed within the Study Area during the September 25, 2025 site visit, therefore no surveys are required (WRCRCA 2025).

The proposed project is compliant with WR-MSHCP Section 6.3.2.

WR-MSHCP Riparian/Riverine Areas and Vernal Pools

No riverine features or riparian vegetation represented by WR-MSHCP Section 6.1.2 riverine/riparian resources were observed within the Study Area. Additionally, no vernal pool resources, seasonal depressions, or associated clay substrates were documented on site (USFWS 2025). Therefore, WR-MSHCP Section 6.1.2 resources are not present within the Study Area and a WR-MSHCP Determination of Biologically Equivalent or Superior Preservation (DBESP) will not be required.

The proposed project is compliant with WR-MSHCP Section 6.1.2.

Urban/Wildlands Interface

The WR-MSHCP Urban/Wildlands Interface guidelines presented in Section 6.1.4 are intended to address indirect effects associated with locating commercial, mixed uses and residential developments in proximity to a WR-MSHCP Conservation Area (existing Public/Quasi-Public Lands). The Study Area is not located within or adjacent to a proposed or existing Public/Quasi-Public Conserved Lands area (WRCRCA 2025). The nearest area is located approximately 1.3 miles to the northwest.

The proposed project is compliant with WR-MSHCP Section 6.1.4.

Fuels Management

The fuels management guidelines presented in Section 6.4 of the WR-MSHCP are intended to address brush management activities around new development within or adjacent to WR-MSHCP Conservation

Areas. The Study Area is not located within or adjacent to a proposed or existing Public/Quasi-Public Conserved Lands area (WRCRCA 2025). The nearest area is located approximately 1.3 miles to the northwest.

The proposed project is compliant with WR-MSHCP Section 6.4.

4. Results

The proposed Study Area consists of a developed college campus and two vacant, disturbed areas that are potential swing spaces during construction. One is west of the project site, and adjacent to Parking Lot D and West End Drive. The second optional swing space is located east of the project site and north of Parking Lot B. A site visit was conducted on September 26, 2025, by Terracon biologists to document existing site conditions. Vegetation within the site consisted primarily of ornamental species including silver wattle (*Acacia retinodes*), swan-neck agave (*Agave attenuata*), flatspine bursage (*Ambrosia acanthicarpa*), orchid tree (*Bauhinia variegata*), *Bougainvillea* sp., peacock flower (*Caesalpinia pulcherrima*), fountain grass (*Cenchrus setaceus*), carob tree (*Ceratonia siliqua*), nettle-leaved goosefoot (*Chenopodiastrum murale*), lemon-scented gum (*Corymbia citriodora*), turkey mullein (*Croton setiger*), Bermuda grass (*Cynodon dactylon*), Mexican holdback (*Erythrostemon mexicanus*), silver dollar gum (*Eucalyptus polyanthemos*), *Fabacaea* sp., wilga (*Geijera parviflora*), telegraphweed (*Heterotheca grandiflora*), golden rain tree (*Koelreuteria paniculata*), bay laurel (*Laurus nobilis*), cenizo (*Leucophyllum frutescens*), broad-leaved paperbark (*Melaleuca quinquenervia*), Mexican palo verde (*Parkinsonia aculeata*), *Pinus* sp., Mexican plumeria (*Plumeria rubra*), Russian thistle (*Salsola tragus*), Brazilian pepper (*Schinus terebinthifolia*), silverleaf nightshade (*Solanum elaeagnifolium*), puncture vine (*Tribulus terrestris*), Mexican fan palm (*Washingtonia robusta*)

Wildlife species observed during the site visit include Anna's hummingbird (*Calypte anna)*, killdeer (*Charadrius vociferus*), rock pigeon (*Columba livia*), American crow (*Corvus brachyrhynchos)*, house finch (*Haemorhous mexicanus*), barn swallow (*Hirundo rustica*), northern mockingbird (*Mimus polyglottos),* black phoebe (*Sayornis nigricans*), Say's phoebe (*Sayornis saya*), western fence lizard (Sceloporus occidentalis), lesser goldfinch (*Spinus psaltria*), and white-crowned sparrow (*Zonotrichia leucophrys*).

Photographs taken during the site visit are displayed in **Appendix B**.

5. Recommendations

Due to the potential for migratory bird species to nest near the site, Terracon's resulting recommendation includes conducting pre-construction nesting bird surveys if construction is scheduled to take place during the typical nesting bird season (January 1 – September 15).

No habitat for special-status species was identified within the Study Area. If special-status plant, wildlife, or migratory bird species are observed during the pre-construction surveys, a qualified biologist, in coordination with the appropriate wildlife agency, shall formulate a strategy for avoidance, minimization, or mitigation of impacts to the species present within the project site.

6. Conclusions

Terracon's review of readily available species information identified no suitable habitat present for special-status plant or wildlife species within the Study Area. Terracon recommends conducting pre-construction nesting bird surveys to avoid impacts on potential nests in compliance with the Migratory Bird Treaty Act (MBTA).

7. Closing

Terracon appreciates the opportunity to submit this report to Riverside Community College District. If you have questions or concerns regarding this assessment, please contact Rachel Spellenberg by phone at 310-627-3426, or via email, at rachel.spellenberg@terracon.com.

8. References

Riverside County Transportation and Land Management Agency (RCTLMA). 2025. *Western Riverside County Multiple Species Habitat Conservation Plan*. Available from: https://planning.rctlma.org/epd/wr-mshcp

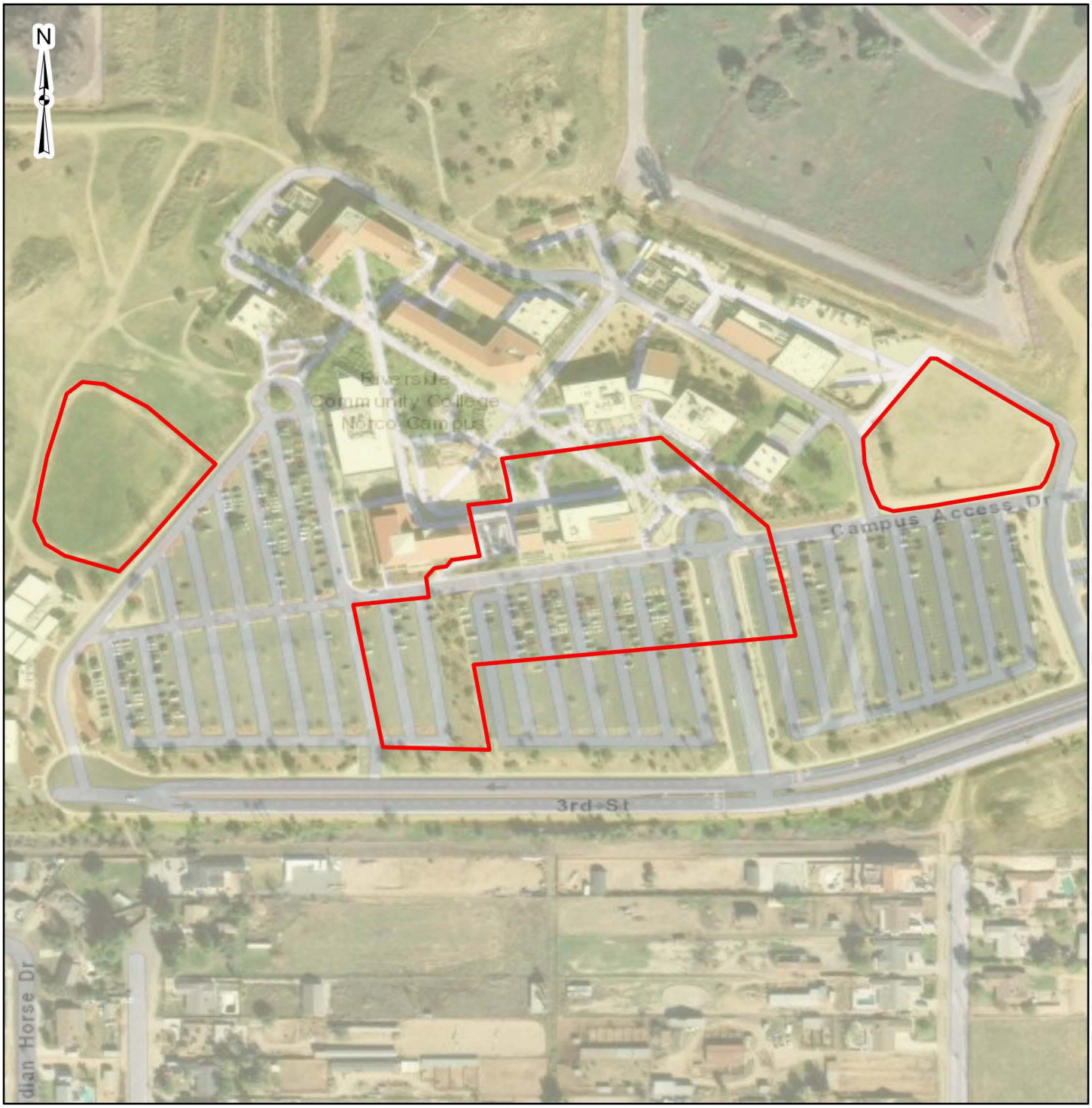
United States Fish and Wildlife Service (USFWS). 2025. *National Wetlands Inventory Surface Waters and Wetlands*. Available from: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/

Western Riverside County Regional Conservation Authority (WRCRCA). 2025. *RCA MSHCP Information Map*. Available from: https://wrcrca.maps.arcgis.com/apps/webappviewer/index.html?id=2b9d4520bd5f4d35add35fb58808c1b7

Appendix A – Exhibits

Exhibit 1 – Site Diagram

Exhibits 2a & 2b – CNDDB Occurrence Maps



Legend

Study Area (9.3 acres)

0 150 300 600 Feet

1:2,400 1 inch equals 200 feet

DATA SOURCES:
ESRI WMS - World Aerial Imagery, OpenStreetMap

Project No.:	CB257022
Date:	Oct 2025
Drawn By:	RS
Reviewed By:	KC

Terracon
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PH. (909) 824-7311 terracon.com

SITE DIAGRAM

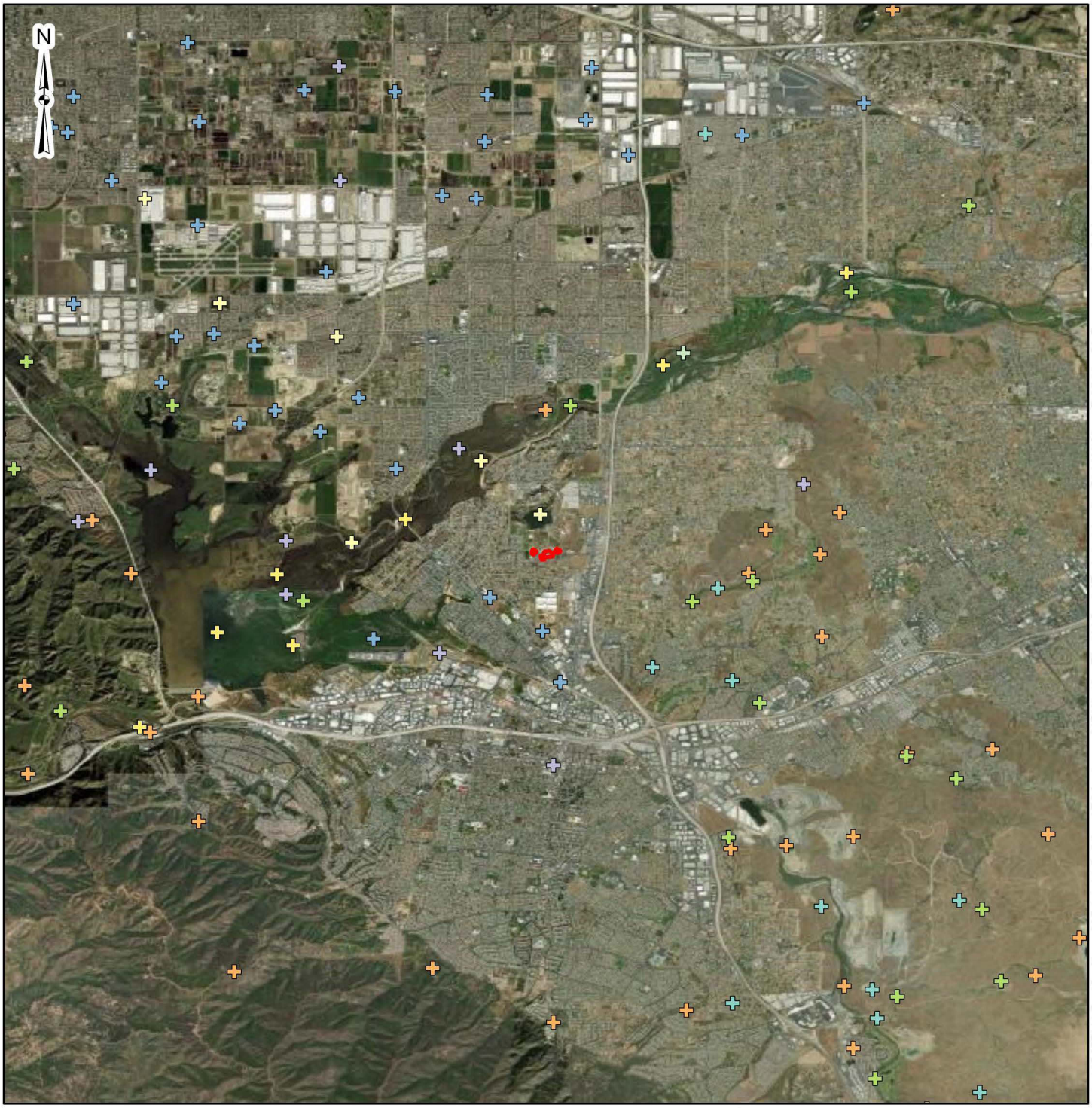
Biological Habitat Assessment

Norco College Library Learning Resource Center and Student Services Building

Norco, CA

Exhibit

1



Legend

- Study Area (9.3 acres)

Occurrences (CDFW 2025)

- Braunton's milk-vetch
- California black rail
- Crotch's bumble bee
- Delhi Sands flower-loving fly
- Munz's onion
- Nevin's barberry
- San Bernardino kangaroo rat
- San Diego ambrosia
- San Diego fairy shrimp
- San Fernando Valley spineflower
- Santa Ana River woollystar
- Santa Ana sucker
- Stephens' kangaroo rat
- Swainson's hawk
- arroyo toad
- bald eagle
- burrowing owl
- coastal California gnatcatcher
- least Bell's vireo
- marsh sandwort
- quino checkerspot butterfly
- salt marsh bird's-beak
- slender-horned spineflower
- southwestern willow flycatcher
- steelhead - southern California DPS
- tricolored blackbird
- western yellow-billed cuckoo

0 1 2 4 Miles

1:126,720 1 inch equals 2 miles

DATA SOURCES:
ESRI WMS - World Aerial Imagery, OpenStreetMap
CNDDB (CDFW 2025)

Project No.:	CB257022
Date:	Oct 2025
Drawn By:	RS
Reviewed By:	KC

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CNDDB SPECIAL-STATUS OCCURENCE MAP

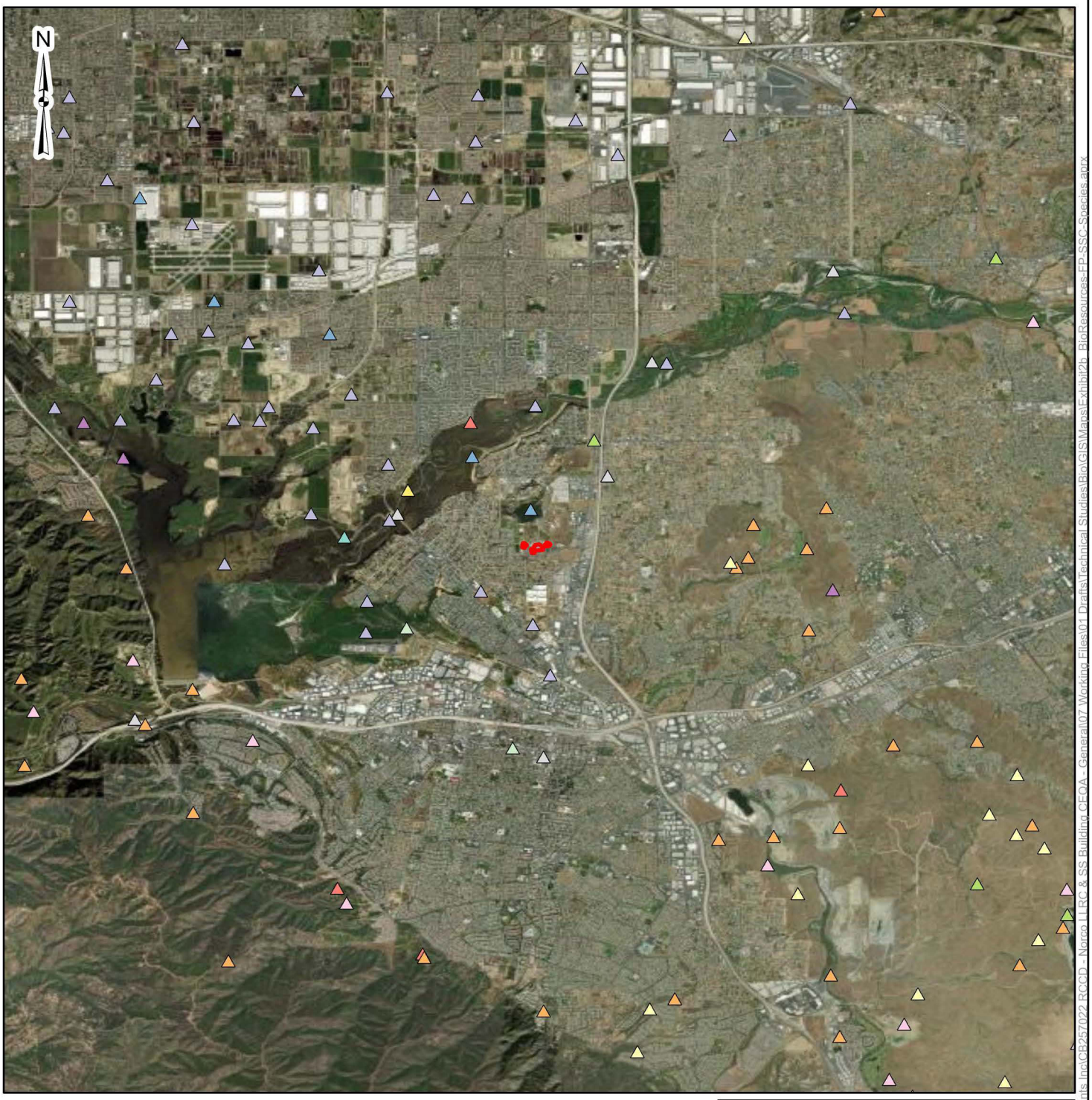
Biological Habitat Assessment

Norco College Library Learning Resource Center and Student Services Building

Norco, CA

Exhibit

2a



Legend

- Study Area (9.3)

Occurrences (CDFW 2025)

- California black rail
- California glossy snake
- Coast Range newt
- Los Angeles pocket mouse
- San Bernardino kangaroo rat
- San Diego banded gecko
- San Diego desert woodrat
- Santa Ana speckled dace
- Santa Ana sucker
- Southern California legless lizard
- arroyo chub
- arroyo toad
- bald eagle
- big free-tailed bat
- burrowing owl
- coast horned lizard
- coast patch-nosed snake
- coastal California gnatcatcher
- coastal cactus wren
- coastal whiptail
- golden eagle
- grasshopper sparrow
- long-eared owl
- pallid bat
- pocketed free-tailed bat
- red-diamond rattlesnake
- south coast gartersnake
- southwestern pond turtle
- tricolored blackbird
- two-striped gartersnake
- western mastiff bat
- western spadefoot
- western yellow bat
- white-tailed kite
- yellow rail
- yellow warbler
- yellow-breasted chat

0 1 2 4 Miles

1:126,720 1 inch equals 2 miles

DATA SOURCES:
ESRI WMS - World Aerial Imagery, OpenStreetMap
CNDDB (CDFW 2025)

Project No.:	CB257022
Date:	Oct 2025
Drawn By:	RS
Reviewed By:	KC

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CNDDB SSC-FP OCCURENCE MAP

Biological Habitat Assessment

Norco College Library Learning Resource Center and Student Services Building

Norco, CA

Exhibit

2b

Appendix B – Photograph Log

Photo 1	
Date: September 25, 2025	
Description: View of the existing Student Services building facing north from the southern boundary.	
Photo 2	
Date: September 25, 2025	
Description: View of the existing Student Services building facing south from the northern boundary.	

Photo 3	
Date: September 25, 2025	
Description: View of the roundabout and existing Student Services building from the northeastern boundary facing west.	
Photo 4	
Date: September 25, 2025	
Description: View of the laydown area facing northeast from the southwestern boundary.	

Photo 5	
Date: September 25, 2025	
Description: View of the laydown area facing north from the southern boundary.	
Photo 6	
Date: September 25, 2025	
Description: View of the potential swing space to the west of the site from the northeastern corner facing southwest.	

Photo 7	
Date: September 25, 2025	
Description: Additional view of the potential swing space to the west of the site from the northeastern corner facing west.	
Photo 8	
Date: September 25, 2025	
Description: View of the potential swing space to the west of the site from the northwestern corner facing east.	

Photo 9	
Date: September 25, 2025	
Description: Additional view of the potential swing space to the west of the site from the northwestern corner facing south.	
Photo 10	
Date: September 25, 2025	
Description: View of the potential swing space to the west of the site from the southern boundary facing north.	

Photo 11	
Date: September 25, 2025	
Description: View of the southwestern corner of the potential swing space to the east of the site facing northeast.	
Photo 12	
Date: September 25, 2025	
Description: View of the potential swing space to the east of the site from the southwestern corner facing northwest.	

Photo 13	
Date: September 25, 2025	
Description: Additional view of the potential swing space to the east of the site from the southwestern corner facing east.	
Photo 14	
Date: September 25, 2025	
Description: View of the potential swing space to the east of the site from the southeastern corner facing north.	

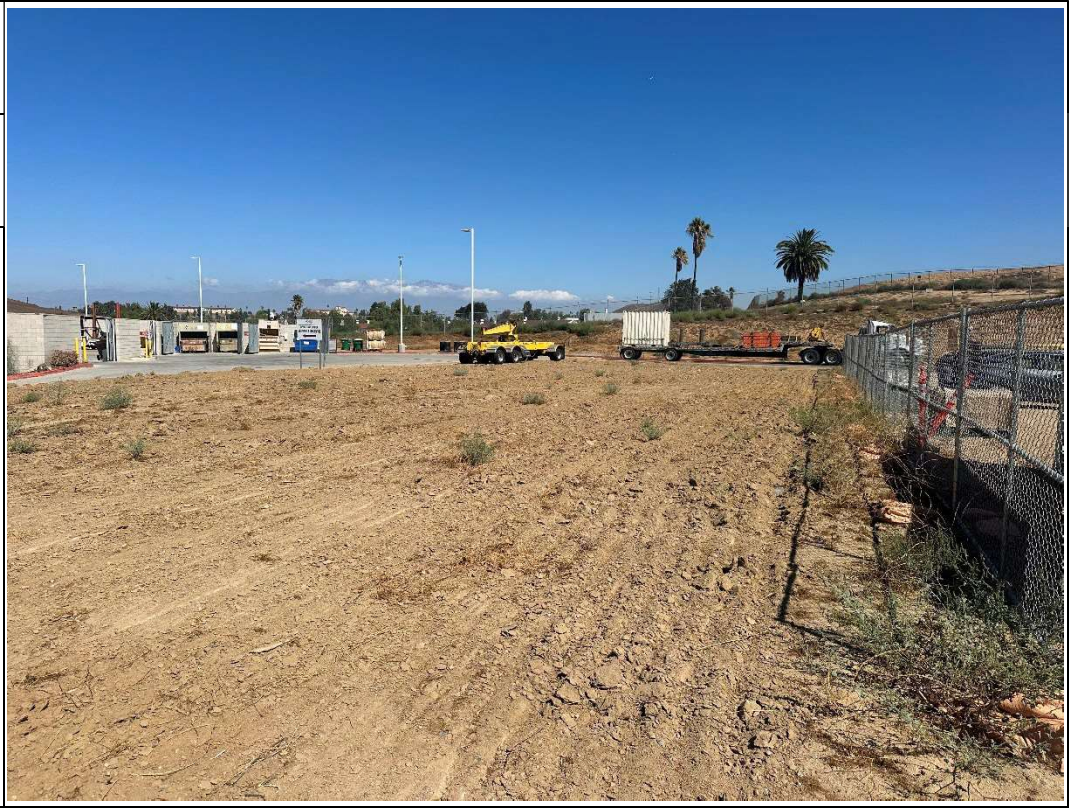
Photo 15	
Date: September 25, 2025	
Description: View of the potential swing space to the east of the site from the middle of the site facing west.	
Photo 16	
Date: September 25 2025	
Description: View of the potential swing space to the east of the site from the middle of the site facing northwest.	

Photo 17	
Date: September 25, 2025	
Description: View of the potential swing space to the east of the site from the southeastern corner of the site facing west.	
Photo 18	
Date: September 25, 2025	
Description: View of the potential swing space to the east of the site from the northeastern corner of the site facing south.	

Appendix C – IPaC Letter Report

IPaC U.S. Fish & Wildlife Service

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Riverside County, California

Local office

Carlsbad Fish And Wildlife Office

(760) 431-9440
(760) 431-5901

2177 Salk Avenue - Suite 250

Carlsbad, CA 92008-7385

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Stephens' Kangaroo Rat Dipodomys stephensi (incl. D. cascus) Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3495	Threatened

Birds

NAME	STATUS
Coastal California Gnatcatcher Polioptila californica californica Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8178	Threatened
Least Bell's Vireo Vireo bellii pusillus Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5945	Endangered

Reptiles

NAME	STATUS
Southwestern Pond Turtle Actinemys pallida Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4768	Proposed Threatened

Amphibians

NAME	STATUS
Western Spadefoot Spea hammondii No critical habitat has been designated for this species.	Proposed Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

Flowering Plants

NAME	STATUS
Nevin's Barberry Berberis nevinii Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8025	Endangered
San Diego Ambrosia Ambrosia pumila Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8287	Endangered
Slender-horned Spineflower Dodecahema leptoceras Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4007	Endangered
Thread-leaved Brodiaea Brodiaea filifolia Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6087	Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act [2] and the Migratory Bird Treaty Act (MBTA) [1]. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

There are Bald Eagles and/or Golden Eagles in your project area.

Measures for Proactively Minimizing Eagle Impacts
For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the National Bald Eagle Management Guidelines. You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to Bald Eagle Nesting and Sensitivity to Human Activity.

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional Migratory Bird Office or Ecological Services Field Office.

If disturbance or take of eagles cannot be avoided, an incidental take permit may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the Do I Need A Permit Tool. For assistance making this determination for golden eagles, please consult with the appropriate Regional Migratory Bird Office or Ecological Services Field Office.

Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the Supplemental Information on Migratory Birds and Eagles, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Jan 1 to Aug 31
Golden Eagle Aquila chrysaetos This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

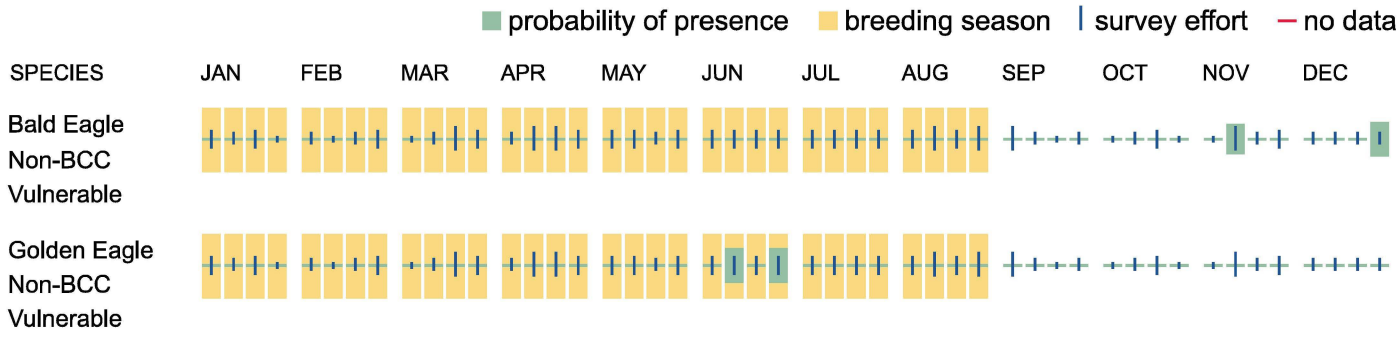
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle (Bald and Golden Eagle Protection Act requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your “IPaC PROBABILITY OF PRESENCE SUMMARY” at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Migratory birds

The Migratory Bird Treaty Act (MBTA) [1] prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases birds of concern, including Birds of Conservation Concern (BCC), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the Nationwide avoidance and minimization measures for birds document, and any other project-specific avoidance and minimization measures suggested at the link Measures for avoiding and minimizing impacts to birds for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the Supplemental Information on Migratory Birds and Eagles document, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
Allen's Hummingbird Selasphorus sasin This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9637	Breeds Feb 1 to Jul 15
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Jan 1 to Aug 31
Belding's Savannah Sparrow Passerculus sandwichensis beldingi This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8	Breeds Apr 1 to Aug 15
Black Skimmer Rynchops niger This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/5234	Breeds May 20 to Sep 15
Bullock's Oriole Icterus bullockii This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 21 to Jul 25
California Gull Larus californicus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 1 to Jul 31

California Thrasher Toxostoma redivivum — Breeds Jan 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Clark's Grebe Aechmophorus clarkii — Breeds Jun 1 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Common Yellowthroat Geothlypis trichas sinuosa — Breeds May 20 to Jul 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/2084

Golden Eagle Aquila chrysaetos — Breeds Jan 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Lawrence's Goldfinch Spinus lawrencei — Breeds Mar 20 to Sep 20

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9464

Northern Harrier Circus hudsonius — Breeds Apr 1 to Sep 15

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/8350

Nuttall's Woodpecker Dryobates nuttallii — Breeds Apr 1 to Jul 20

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/9410

Oak Titmouse Baeolophus inornatus — Breeds Mar 15 to Jul 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9656

Olive-sided Flycatcher Contopus cooperi — Breeds May 20 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3914

Santa Barbara Song Sparrow Melospiza melodia graminea — Breeds Mar 1 to Sep 5
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/5513

Short-billed Dowitcher Limnodromus griseus — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9480

Tricolored Blackbird Agelaius tricolor — Breeds Mar 15 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3910

Western Grebe aechmophorus occidentalis — Breeds Jun 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/6743

Western Gull Larus occidentalis — Breeds Apr 21 to Aug 25
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Western Screech-owl Megascops kennicottii cardonensis — Breeds Mar 1 to Jun 30
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Willet Tringa semipalmata — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Wrentit Chamaea fasciata — Breeds Mar 15 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (▪)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

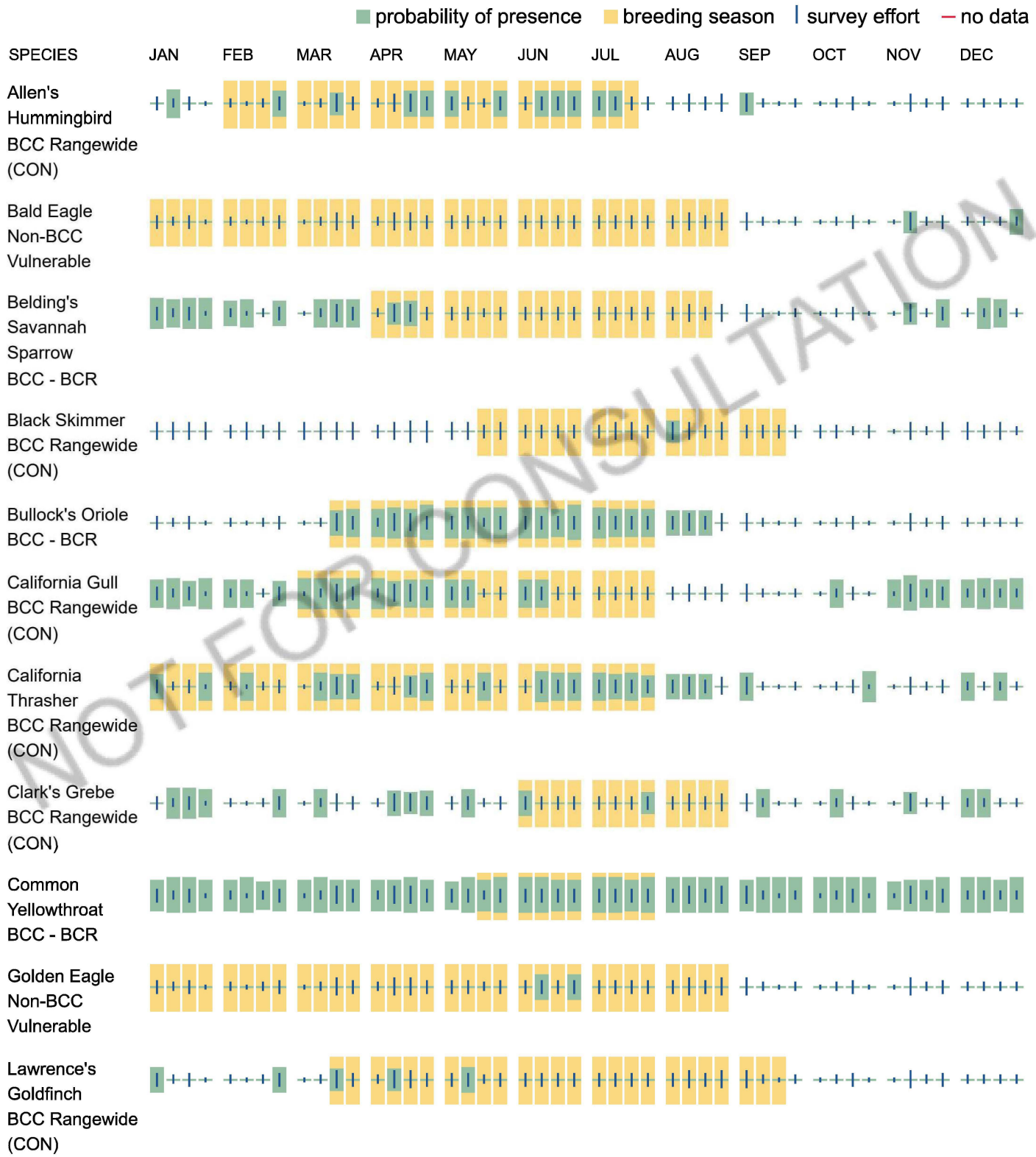
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

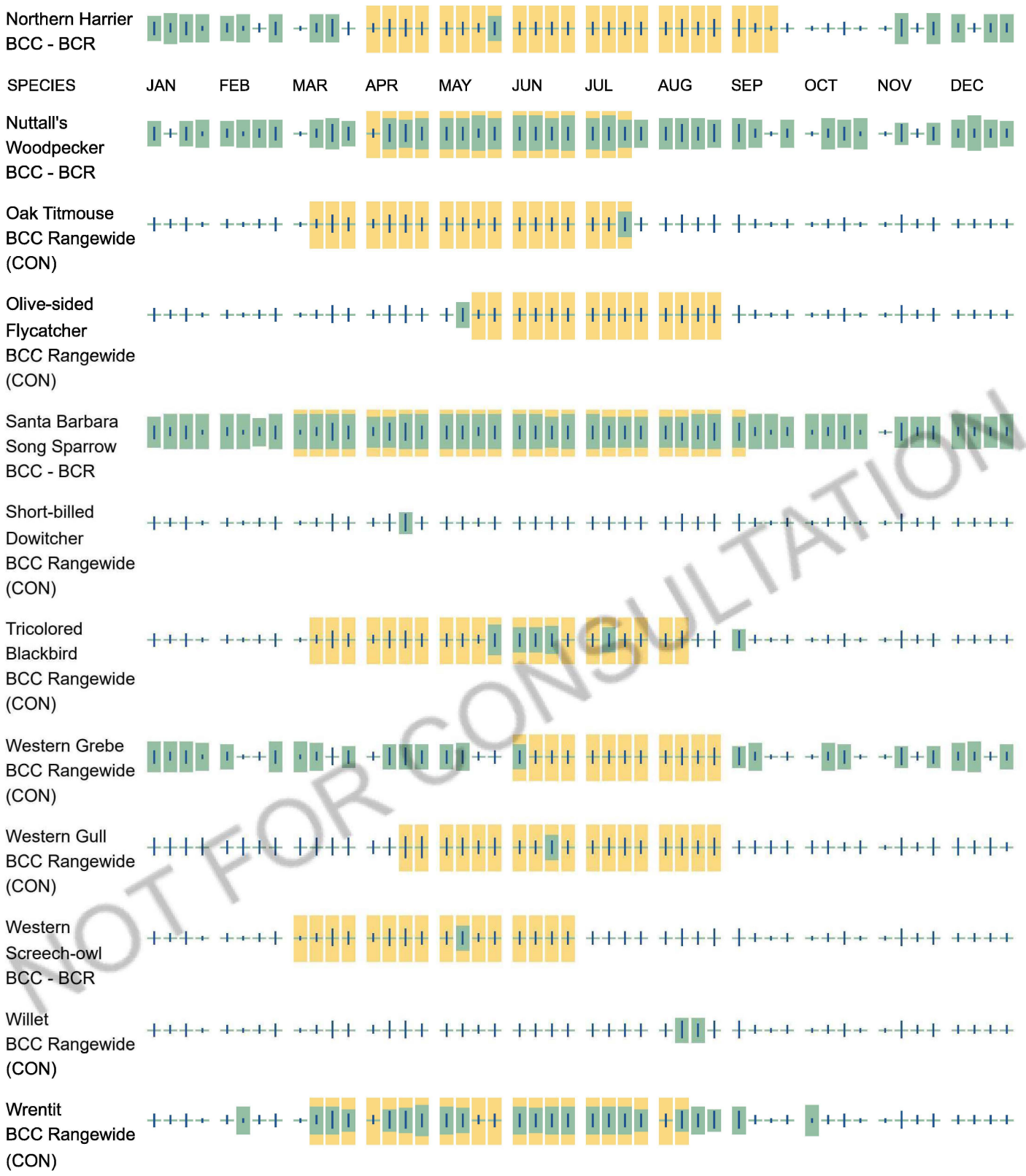
No Data (–)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Avoidance & Minimization Measures for Birds describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see

when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the Bald and Golden Eagle Protection Act and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle (Bald and Golden Eagle Protection Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the Rapid Avian Information Locator (RAIL) Tool.

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in

your “IPaC PROBABILITY OF PRESENCE SUMMARY” at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Bald and Golden Eagle Protection Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ “Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds”.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs
Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:
The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Appendix D – CNDDB Query

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE **RareFind**

Query Summary:
Quad IS (Riverside West (3311784) OR Lake Mathews (3311774) OR Corona North (3311785) OR Corona South (3311775) OR Guasti (3411715) OR Fontana (3411714) OR Ontario (3411716) OR Black Star Canyon (3311776) OR Prado Dam (3311786))
AND Federal Listing Status IS (Endangered OR Threatened OR Proposed Endangered OR Proposed Threatened) OR State Listing Status IS (Endangered OR Threatened OR Candidate Endangered OR Candidate Threatened)

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CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Actinemys pallida	southwestern pond turtle	Reptiles	ARAAD02032	481	5	Proposed Threatened	None	G2	SNR	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	null
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	960	9	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Allium munzii	Munz's onion	Monocots	PMLIL022Z0	21	3	Endangered	Threatened	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Cismontane woodland, Coastal scrub, Pinon & juniper woodlands, Valley & foothill grassland
Ambrosia pumila	San Diego ambrosia	Dicots	PDAST0C0M0	61	1	Endangered	None	G1	S1	1B.1	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Chaparral, Coastal scrub, Valley & foothill grassland
Anaxyrus californicus	arroyo toad	Amphibians	AAABB01230	139	1	Endangered	None	G1G2	S2	null	CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered	Desert wash, Riparian scrub, Riparian woodland, South coast flowing waters, South coast standing waters
Arenaria paludicola	marsh sandwort	Dicots	PDCAR040L0	19	1	Endangered	Endangered	G1	S1	1B.1	SB_SBBG-Santa Barbara Botanic Garden	Freshwater marsh, Marsh & swamp, Wetland
Astragalus brauntonii	Braunton's milk-vetch	Dicots	PDFAB0F1G0	57	6	Endangered	None	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Chaparral, Coastal scrub, Limestone, Valley & foothill grassland
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2261	48	None	Candidate Endangered	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub,

												Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Berberis nevinii	Nevin's barberry	Dicots	PDBER060A0	32	1	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub
Bombus crotchii	Crotch's bumble bee	Insects	IIHYM24480	786	26	None	Candidate Endangered	G2	S2	null	IUCN_EN-Endangered	null
Branchinecta sandiegonensis	San Diego fairy shrimp	Crustaceans	ICBRA03060	122	1	Endangered	None	G2	S1	null	IUCN_EN-Endangered	Chaparral, Coastal scrub, Vernal pool, Wetland
Buteo swainsoni	Swainson's hawk	Birds	ABNKC19070	2585	3	None	Threatened	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Great Basin grassland, Riparian forest, Riparian woodland, Valley & foothill grassland
Catostomus santaanae	Santa Ana sucker	Fish	AFCJC02190	28	9	Threatened	None	G1	S1	null	AFS_TH-Threatened, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered	Aquatic, South coast flowing waters
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Dicots	PDSCR0J0C2	26	1	Endangered	Endangered	G4?T1	S1	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden	Coastal dunes, Marsh & swamp, Salt marsh, Wetland
Chorizanthe parryi var. fernandina	San Fernando Valley spineflower	Dicots	PDPGN040J1	21	1	None	Endangered	G3T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive	Coastal scrub, Valley & foothill grassland
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	ABNRB02022	165	6	Threatened	Endangered	G5T2T3	S1	null	BLM_S-Sensitive, USFS_S-Sensitive	Riparian forest
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	AMAFD03143	76	6	Endangered	Endangered	G5T1	S1	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Dipodomys stephensi	Stephens' kangaroo rat	Mammals	AMAFD03100	226	30	Threatened	Threatened	G2	S3	null	IUCN_VU-Vulnerable	Coastal scrub, Valley & foothill grassland
Dodecahema leptoceras	slender-horned spineflower	Dicots	PDPGN0V010	42	1	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Cismontane woodland, Coastal scrub
Empidonax traillii extimus	southwestern willow flycatcher	Birds	ABPAE33043	75	3	Endangered	Endangered	G5T2	S3	null	null	Riparian woodland
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	Dicots	PDPLM03035	31	5	Endangered	Endangered	G4T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Coastal scrub
Euphydryas editha quino	quino checkerspot butterfly	Insects	IILEPK405L	185	7	Endangered	Candidate Endangered	G4G5T1T2	S1S2	null	null	Chaparral, Coastal scrub

Haliaeetus leucocephalus	bald eagle	Birds	ABNKC10010	334	6	Delisted	Endangered	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern, USFS_S-Sensitive	Lower montane coniferous forest, Oldgrowth
Laterallus jamaicensis coturniculus	California black rail	Birds	ABNME03041	304	2	None	Threatened	G3T1	S2	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_EN-Endangered	Brackish marsh, Freshwater marsh, Marsh & swamp, Salt marsh, Wetland
Oncorhynchus mykiss irideus pop. 10	steelhead - southern California DPS	Fish	AFCHA0209J	19	1	Endangered	Endangered	G5T1Q	S1	null	AFS_EN-Endangered	Aquatic, South coast flowing waters
Polioptila californica californica	coastal California gnatcatcher	Birds	ABPBJ08081	1159	130	Threatened	None	G4G5T3Q	S2	null	CDFW_SSC-Species of Special Concern	Coastal bluff scrub, Coastal scrub
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	Insects	IIDIP05021	36	18	Endangered	None	G1T1	S1	null	null	Interior dunes
Rhinichthys gabrielino	Santa Ana speckled dace	Fish	AFCJB3705K	13	1	Proposed Threatened	None	G1	S1	null	AFS_TH-Threatened, CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Aquatic, South coast flowing waters
Spea hammondii	western spadefoot	Amphibians	AAABF02020	1445	29	Proposed Threatened	None	G2G3	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Vireo bellii pusillus	least Bell's vireo	Birds	ABPBW01114	505	43	Endangered	Endangered	G5T2	S3	null	null	Riparian forest, Riparian scrub, Riparian woodland

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE **RareFind**

Query Summary:
Quad IS (Riverside West (3311784) OR Lake Mathews (3311774) OR Corona North (3311785) OR Corona South (3311775) OR Guasti (3411715) OR Fontana (3411714) OR Ontario (3411716) OR Black Star Canyon (3311776) OR Prado Dam (3311786))
AND Other Status CONTAINS (CDFW_FP-Fully Protected OR CDFW_SSC-Species of Special Concern)

Print Close

CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Actinemys pallida	southwestern pond turtle	Reptiles	ARAAD02032	481	5	Proposed Threatened	None	G2	SNR	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	null
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	960	9	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Ammodramus savannarum	grasshopper sparrow	Birds	ABPBXA0020	27	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Valley & foothill grassland
Anaxyrus californicus	arroyo toad	Amphibians	AAABB01230	139	1	Endangered	None	G1G2	S2	null	CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered	Desert wash, Riparian scrub, Riparian woodland, South coast flowing waters, South coast standing waters
Anniella stebbinsi	Southern California legless lizard	Reptiles	ARACC01060	427	28	None	None	G3	S3	null	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Coastal dunes, Coastal scrub
Antrozous pallidus	pallid bat	Mammals	AMACC10010	425	2	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub,

												Upper montane coniferous forest, Valley & foothill grassland
Aquila chrysaetos	golden eagle	Birds	ABNKC22010	332	3	None	None	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, CDFW_WL-Watch List, IUCN_LC-Least Concern	Broadleaved upland forest, Cismontane woodland, Coastal prairie, Great Basin grassland, Great Basin scrub, Lower montane coniferous forest, Pinon & juniper woodlands, Upper montane coniferous forest, Valley & foothill grassland
Arizona elegans occidentalis	California glossy snake	Reptiles	ARADB01017	260	7	None	None	G5T2	S2	null	CDFW_SSC-Species of Special Concern	null
Asio otus	long-eared owl	Birds	ABNSB13010	56	3	None	None	G5	S3?	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Cismontane woodland, Great Basin scrub, Riparian forest, Riparian woodland, Upper montane coniferous forest
Aspidoscelis tigris stejnegeri	coastal whiptail	Reptiles	ARACJ02143	148	8	None	None	G5T5	S3	null	CDFW_SSC-Species of Special Concern	null
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2261	48	None	Candidate Endangered	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	Birds	ABPBG02095	157	3	None	None	G5T3Q	S2	null	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive, USFWS_BCC-Birds of Conservation Concern	Coastal scrub
Catostomus santaanae	Santa Ana sucker	Fish	AFCJC02190	28	9	Threatened	None	G1	S1	null	AFS_TH-Threatened, CDFW_SSC-Species of Special Concern,	Aquatic, South coast flowing waters

											IUCN_EN-Endangered	
Coleonyx variegatus abbotti	San Diego banded gecko	Reptiles	ARACD01031	8	1	None	None	G5T5	S1S2	null	CDFW_SSC-Species of Special Concern	Chaparral, Coastal scrub
Coturnicops noveboracensis	yellow rail	Birds	ABNME01010	45	1	None	None	G4	S2	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Meadow & seep
Crotalus ruber	red-diamond rattlesnake	Reptiles	ARADE02090	192	35	None	None	G4	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Chaparral, Mojavean desert scrub, Sonoran desert scrub
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	AMAFD03143	76	6	Endangered	Endangered	G5T1	S1	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Elanus leucurus	white-tailed kite	Birds	ABNKC06010	190	5	None	None	G5	S3S4	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern	Cismontane woodland, Marsh & swamp, Riparian woodland, Valley & foothill grassland, Wetland
Eumops perotis californicus	western mastiff bat	Mammals	AMACD02011	296	11	None	None	G4G5T4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland
Gila orcuttii	arroyo chub	Fish	AFCJB13120	49	4	None	None	G1	S2	null	AFS_VU-Vulnerable, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, South coast flowing waters
Haliaeetus leucocephalus	bald eagle	Birds	ABNKC10010	334	6	Delisted	Endangered	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern, USFS_S-Sensitive	Lower montane coniferous forest, Oldgrowth
Icteria virens	yellow-breasted chat	Birds	ABPBX24010	101	4	None	None	G5	S4	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Riparian forest, Riparian scrub, Riparian woodland
Lasiurus xanthinus	western yellow bat	Mammals	AMACC05070	58	6	None	None	G4G5	S3	null	CDFW_SSC-Species of Special Concern,	Desert wash

											IUCN_LC-Least Concern	
Laterallus jamaicensis coturniculus	California black rail	Birds	ABNME03041	304	2	None	Threatened	G3T1	S2	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_EN-Endangered	Brackish marsh, Freshwater marsh, Marsh & swamp, Salt marsh, Wetland
Neotoma lepida intermedia	San Diego desert woodrat	Mammals	AMAFF08041	132	3	None	None	G5T3T4	S3S4	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Nyctinomops femorosaccus	pocketed free-tailed bat	Mammals	AMACD04010	90	4	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Joshua tree woodland, Pinon & juniper woodlands, Riparian scrub, Sonoran desert scrub
Nyctinomops macrotis	big free-tailed bat	Mammals	AMACD04020	32	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	null
Perognathus longimembris brevinasus	Los Angeles pocket mouse	Mammals	AMAFD01041	70	4	None	None	G5T2	S1S2	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Phrynosoma blainvillii	coast horned lizard	Reptiles	ARACF12100	841	27	None	None	G4	S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal scrub, Desert wash, Pinon & juniper woodlands, Riparian scrub, Riparian woodland, Valley & foothill grassland
Polioptila californica californica	coastal California gnatcatcher	Birds	ABPBJ08081	1159	130	Threatened	None	G4G5T3Q	S2	null	CDFW_SSC-Species of Special Concern	Coastal bluff scrub, Coastal scrub
Rhinichthys gabrielino	Santa Ana speckled dace	Fish	AFCJB3705K	13	1	Proposed Threatened	None	G1	S1	null	AFS_TH-Threatened, CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Aquatic, South coast flowing waters
Salvadora hexalepis virgultea	coast patch-nosed snake	Reptiles	ARADB30033	34	2	None	None	G5T4	S3	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Setophaga petechia	yellow warbler	Birds	ABPBX03010	78	2	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Riparian forest, Riparian scrub, Riparian woodland
Spea hammondii	western spadefoot	Amphibians	AAABF02020	1445	29	Proposed Threatened	None	G2G3	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland

Taricha torosa	Coast Range newt	Amphibians	AAAAF02032	88	2	None	None	G4	S4	null	CDFW_SSC-Species of Special Concern	null
Thamnophis hammondii	two-striped gartersnake	Reptiles	ARADB36160	184	2	None	None	G4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Marsh & swamp, Riparian scrub, Riparian woodland, Wetland
Thamnophis sirtalis pop. 1	south coast gartersnake	Reptiles	ARADB3613F	48	12	None	None	G5T1T2	S1S2	null	CDFW_SSC-Species of Special Concern	Artificial standing waters, Marsh & swamp, Riparian scrub, Riparian woodland, South coast flowing waters, South coast standing waters, Wetland

Appendix C
Cultural Resources Assessment

CULTURAL RESOURCES ASSESSMENT FOR THE NORCO COLLEGE LIBRARY LEARNING RESOURCE CENTER AND STUDENT SERVICES BUILDING

Prepared For:

Riverside Community College District
3801 Market Street
Riverside, CA 92501

Prepared By:

145 W Walnut Street
Carson, CA

Project No. CB257022

Author:

Kelly Higelmire, M.A.
Principal Investigator

National Archaeological Data Base (NADB) Information:
Type of Study: Intensive Survey
Resources Recorded: Learning Resource Center
2001 Third Street, Norco, Riverside County, California
Keywords: Cultural Resources Survey
USGS Quadrangle: 7.5-minute *Corona North* (1983), *California*

October 2025

MANAGEMENT SUMMARY

Terracon Consultants, Inc. (Terracon), on behalf of Riverside Community College District (RCCD; Client), has completed a Cultural Resources Assessment for the proposed Norco College Library Learning Resource Center and Student Services Building in Norco, California. The project area is approximately 4.66-acres located in the southern portion of Norco College, 2001 Third Street, Norco, Riverside County, California (Riverside County Assessor Parcel Number (APN) 129-210-005). RCCD plans to replace the existing Student Services building, College Resource Center, and Portables A and B buildings in the southwest portion of Norco College with a new three-story 73,891 sq ft. Library Learning Resource Center and Student Services building. RCCD identified a portion of Parking Lot C and two swing spaces, located in open fields on either side of the college campus, to serve as construction laydown areas. The approximate 1.29-acre Laydown Area is in the southwestern portion of Parking Lot C and consists of asphalt. The two Swing Spaces total approximately 3.31 acres of undeveloped fields, one on either side of the campus. The Project Area Limit (PAL) is an approximate 4.66-acre area designated for construction of the Library Learning Resource Center and Student Services building and 0.5-mile study area. This cultural resources assessment was done under contract to RCCD, in accordance with Terracon Proposal No. PCB257022 dated August 1, 2025, and partial fulfillment of the California Environmental Quality Act (CEQA) to determine if there are properties listed or eligible for listing on the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) within or near the PAL.

Records from the South Coastal Information Center found no previously recorded resources within the PAL. Further, the PAL was previously surveyed during the 1980s RCCD purchase of the property and planning for Norco College. The prior survey located two sites within 0.5-miles of the PAL. Additionally, SCIC recorded three additional historic scatters and a NRHP listed property within 0.5-miles of the PAL. Terracon conducted a cultural resources survey of the PAL, Laydown Area, and Swing Spaces on October 1, 2025. The survey found that the existing Student Services, College Resource Center, and Portables A and B buildings were constructed less than 45 years ago and are not historic resources. The survey also found no cultural resources material within the PAL, Laydown Area, or Swing Spaces. Terracon recommends no further cultural resources work for this project at this time; however, additional CEQA requirements, including Native American Consultation, may be required by the lead agency.

If human remains are encountered during activities associated with the proposed project, 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 Pre-Contact, the 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.

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INTRODUCTION

Terracon Consultants, Inc. (Terracon), on behalf of Riverside Community College District (RCCD; Client), has completed a Cultural Resources Assessment for the proposed Norco College Library Learning Resource Center and Student Services building in Norco, California. The project area consists of approximately 4.66-acres located in the southern portion of Norco College, 2001 Third Street, Norco, Riverside County, California (Riverside County Assessor Parcel Number (APN) 129-210-005; Figure 1-2). RCCD plans to replace the existing Student Services building, College Resource Center, and Portables A and B buildings in the southwest portion of Norco College with a new three-story 73,891 sq ft. Library Learning Resource Center and Student Services building. RCCD identified a portion of Parking Lot C and two swing spaces, located in open fields on either side of the college campus, to serve as laydown areas (Figures 1 and 3). The approximate 1.29-acre Laydown Area is in the southwestern portion of Parking Lot C and consists of asphalt. The two Swing Spaces total approximately 3.31 acres of undeveloped fields, one on either side of the campus (Figures 1 and 3). The Project Area Limit (PAL) is defined as the 4.66-acre construction area for the Library Learning Resource Center and 0.5-mile study area (Figure 3). This cultural resources assessment was done under contract to RCCD, in accordance with Terracon Proposal No. PCB257022 dated August 1, 2025, and partial fulfillment of the California Environmental Quality Act (CEQA) to determine if there are properties listed or eligible for listing on the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) within or near the PAL.

This report has been prepared in compliance with the California Environmental Quality Act (CEQA; CA Pub Res Code §21000 et seq.) that mandates public agencies determine whether a project will have a significant impact on historical resources. CEQA defines a “historical resource” as a resource listed in or eligible for inclusion in the California Register of Historical Resources (CRHR; 14 California Code of Regulations (CCR) 15064.5 (a)(3)). This report also complies with the California Office of Historic Preservation Office’s (OHP) *Instructions for Recording Historical Resources* (OHP 1995). The Senior Archaeologist and Architectural Historian for the project exceeds the Secretary of the Interior’s Professional Qualification Standards (36 *CFR* Part 61). The report was prepared by Secretary of Interior Qualified Archaeologist and Architectural Historian Kelly Higelmire, M.A.

This report is organized as follows: Section 1 is the Introduction including a description of the project location, undertaking, and project setting; Section 2 presents the Research and Field Methods of the architectural survey; Section 3 provides the Historic Context; Section 4 presents the Results of the survey; Section 5 provides Recommendations; and Section 6 provides the references cited for this report.

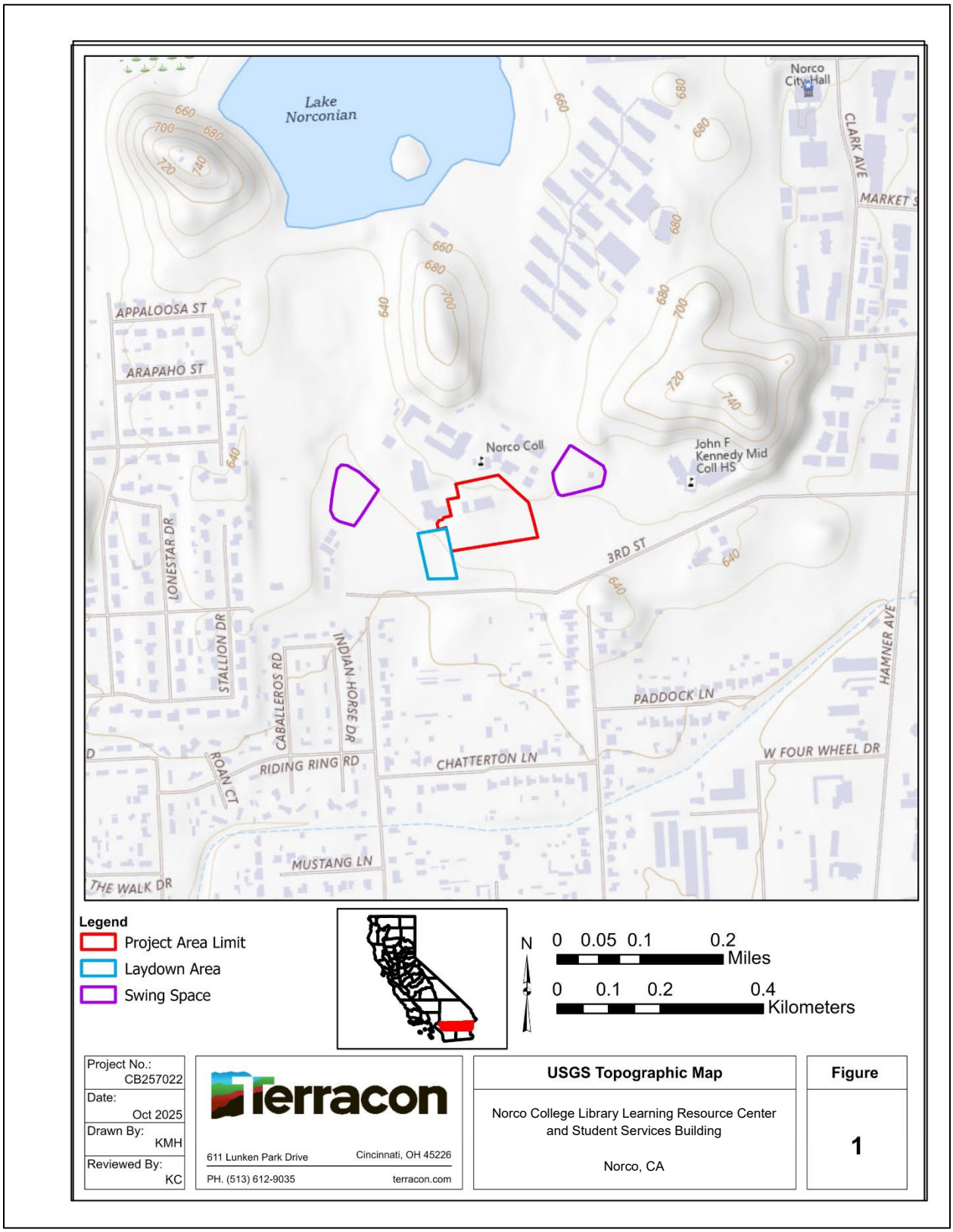

Figure 1. Project Area Limit, Laydown Area, and Swing Spaces on a USGS Topographic Map

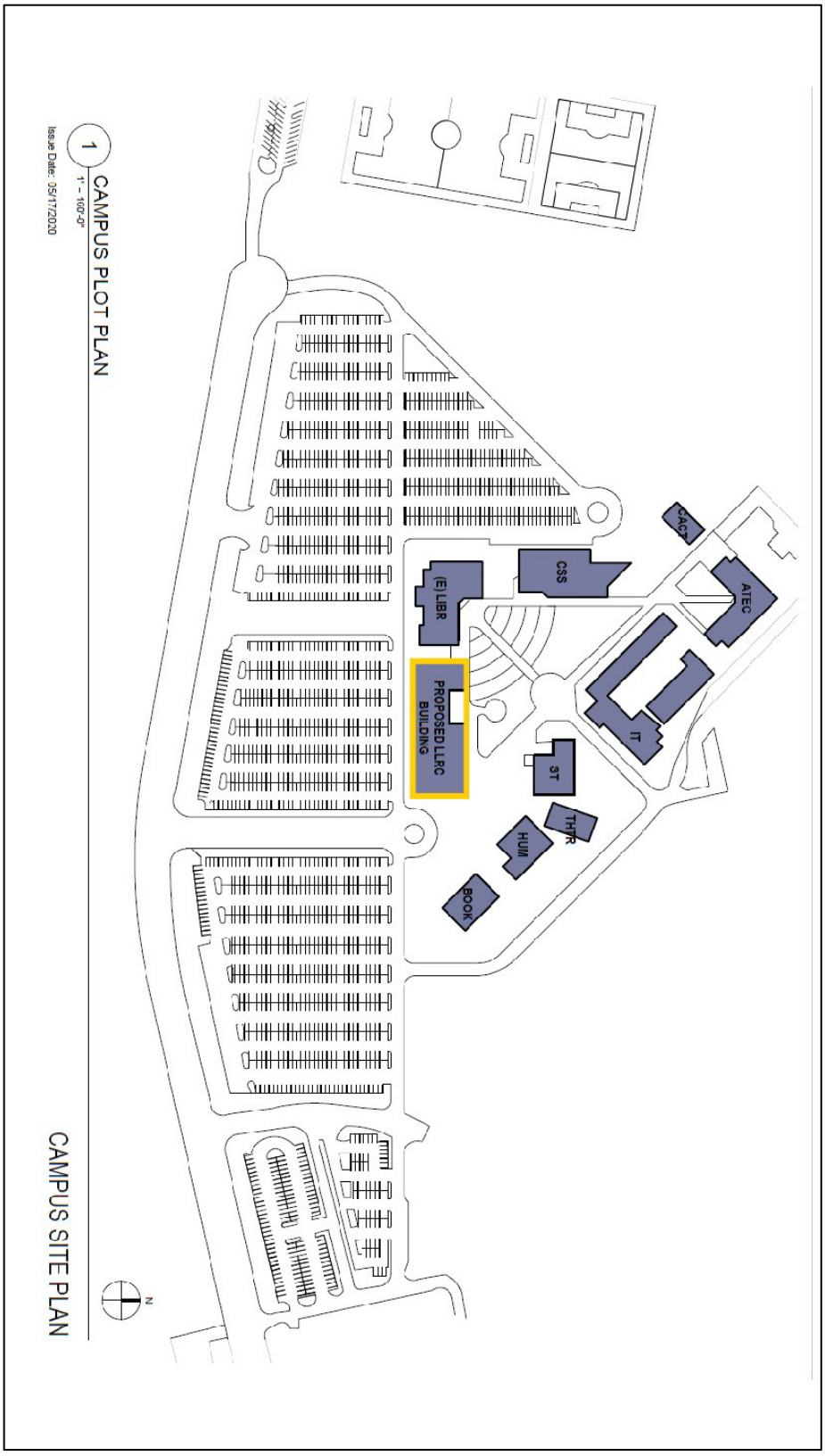

Figure 2. Client Provided Campus Site Plan and Proposed Library Learning Resource Center Location(Yellow)

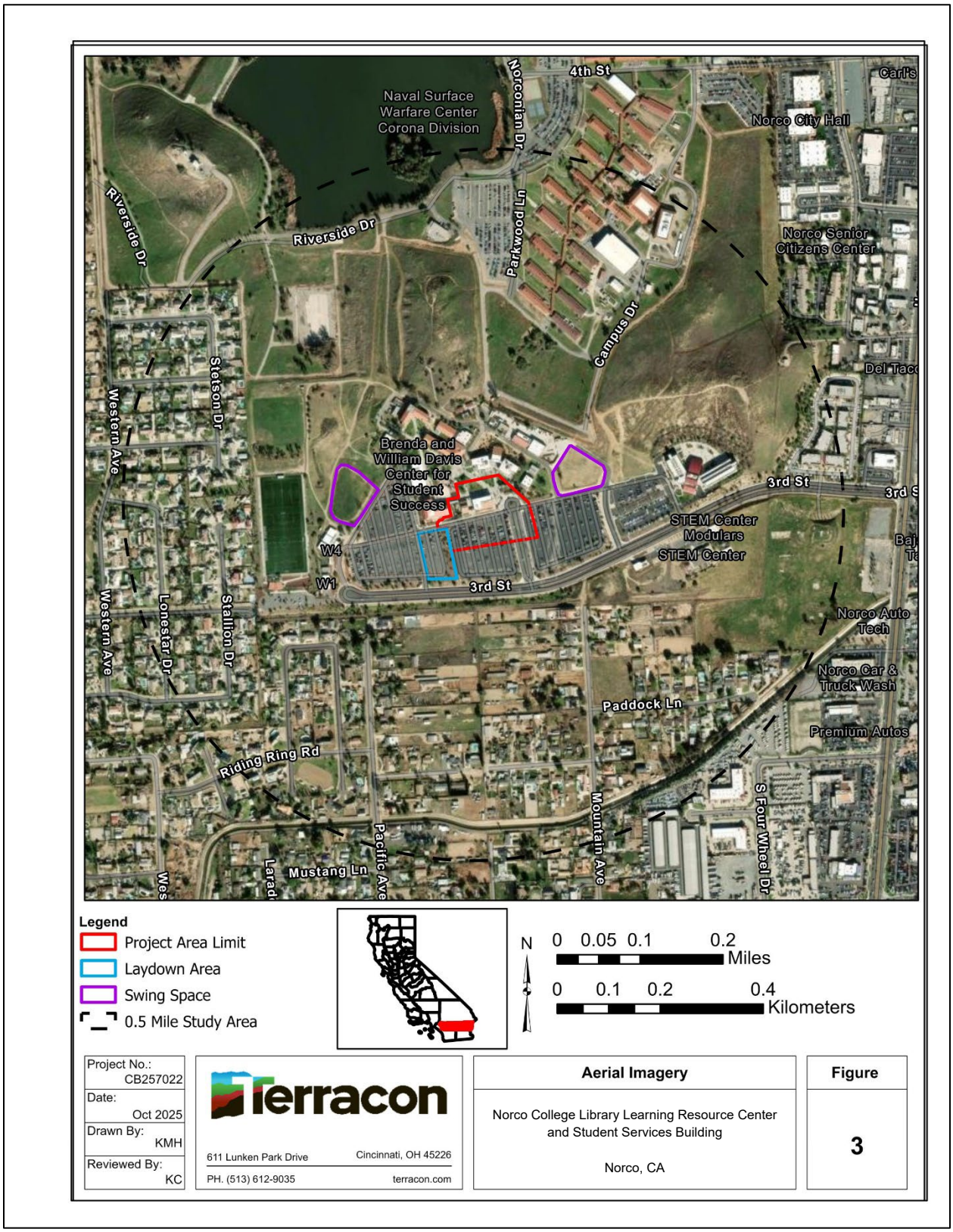

Figure 3. PAL, Laydown Area, Swing Spaces, and 0.5 Mile Study Area on Aerial Imagery

PROJECT SETTING

Geology

The PAL is in a developed college, consisting of the Student Services building, College Resource Center, Portables A and B buildings, and portions of the quad and Parking Lot C. Original surficial sediments within the PAL once consisted of a variety of intermediate composition granitic rocks but ranging from micropegmatitie granite to gabbro. Micropegmatite granite of Gavilan Ring Complex features fine-grained, pink-tinted, leucocratic granite having distinctive micropegmatitic texture. This complex is almost entirely within the Corona North quadrangle.

Hydrology

The region is characterized by a semi-arid climate, with dry, hot summers, and moderate winters. Rainfall ranges from 12 to 16 inches annually (Beck and Haase 1974). Precipitation usually occurs in the form of winter rain, with occasional monsoonal showers in late summer. The nearest water source is the Temescal Wash approximately 1.5 miles to the south that flows from northwest to southeast. Elevation of the project site is approximately 640 feet above mean sea level (AMSL).

Vegetation

The region is characterized by Coastal Sage Scrub vegetation including aromatic, drought-adapted shrubs like California sagebrush and black sage, along with bush sunflower, lemonade berry, California buckwheat, and various species of sumac. Key species includes black sage (*Salvia mellifera*), California brittlebush (*Encelia californica*), California buckwheat (*Eriogonum fasciculatum*), California sagebrush (*Artemesia californica*), deerweed (*Lotus scoparius*), golden yarrow (*Eriophyllum confertiflorum*), laurel sumac (*Malosma laurina*), lemonadeberry (*Rhus integrifolia*), poison oak (*Toxicodendron diverilobum*), purple sage (*Salvia leucophyla*), sticky monkeyflower (*Mimulus aurantiacus*), sugar bush (*Rhus ovate*), toyon (*Heteromeles arbutifolia*), white sage (*Salvia apiana*), coastal century plant (*Agave shawii*), coastal cholla (*Opuntia prolifera*), Laguna Beach liveforever (*Dudleya stolonifera*), many-stemmed liveforever (*Dudleya multicaulis*), our Lord's candle (*Yucca whipplei*), prickly pear cactus (*Opuntia* spp.) (Williams et al. 2008:118-119). Signature animal species within Coastal Sage Scrub habitat include the kangaroo rat (*Dipodomys* spp.), California horned lizard (*Phrynosoma coronatum frontale*), orange throated whiptail (*Cnemidophorus hyperthrus*), San Diego horned lizard (*Phrynosoma coronatum blainvillii*), brown-headed cowbird (*Molothrus ater*), California gnatcatcher (*Polioptila californica californica*), California quail (*Callipepla californica*), and San Diego cactus wren (*Campylorhynchus brunnecapillus sandiegensis*) (Williams et al. 2008:118-120).

RESEARCH DESIGN AND METHODS

The goal of this survey was to determine if NRHP or CRHR properties are within the PAL or 0.5-mile study area. The research strategy consisted of background investigation, a historical document and map review, and field survey.

SURVEY METHODS

A field survey of the PAL was conducted to determine if NRHP or CRHR eligible or listed historic buildings would be directly or indirectly affected by the proposed project. The area of direct effects for the PAL includes the 4.66-acre Library Learning Resource Center and Student Services building construction area, located in the southwestern portion of Norco College. Visual effects were assessed for NRHP and CRHR properties adjacent to the PAL. Terracon also conducted a review of previously recorded historic-age resources within 0.5 miles of the PAL to identify NRHP and CRHR listed properties. These properties were identified through background research and a confidential record search of files at the South Coastal Information Center (Appendix C).

An intensive-level cultural resources survey of the PAL, Laydown Area, and Swing Spaces was conducted on October 1, 2025. The survey was conducted by walking parallel transects 15 meters apart. Due to the development of the PAL and Laydown Area, transects were utilized within the undeveloped Swing Spaces to determine if cultural resources were adjacent to the PAL. The PAL was photographed and pertinent information regarding distinguishing characteristics, building materials, and present conditions of the existing buildings were recorded. The CRHR evaluation utilized standard architectural history survey procedures, as defined in OHP's *Instructions for Recording Historical Resources* (OHP 1995).

REGULATORY CONTEXT

CEQA requires lead agencies to determine whether a project may have a significant effect on historical resources (PRC Section 21084.1). Under the provisions of CEQA, including the CEQA Statutes (PRC §§ 21083.2 and 21084.1), the CEQA Guidelines (Title 14 CCR § 15064.5), and PRC § 5024.1 (Title 14 CCR § 4850 et seq.), properties expected to be directly or indirectly affected by a proposed project must be evaluated for eligibility for listing in the California Register of Historical Resources (CRHR, PRC § 5024.1). The purpose of the CRHR is to maintain listings of the State's historical resources and to indicate which properties are to be protected, to the extent prudent and feasible, from material impairment and substantial adverse change. The term historical resources include a resource listed in or determined to be eligible for listing in the CRHR; a resource included in a local register of historical resources; and any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (CCR § 15064.5[a]). Properties eligible or listed in the National Register of Historic Places are automatically included in the CRHR. The criteria for listing properties in the CRHR were expressly developed in accordance with previously established criteria developed for listing in the NRHP.

The California Office of Historic Preservation regards “any physical evidence of human activities over 45 years old” as meriting recordation and evaluation (OHP 1995).

California Register of Historical Resources Criteria

CEQA requires lead agencies to determine whether a project may have a significant effect on historical resources (PRC Section 21084.1). Under the provisions of CEQA, including the CEQA Statutes (PRC §§ 21083.2 and 21084.1), the CEQA Guidelines (Title 14 CCR § 15064.5), and PRC § 5024.1 (Title 14 CCR § 4850 et seq.), properties expected to be directly or indirectly affected by a proposed project must be evaluated for eligibility for listing in the California Register of Historical Resources (CRHR, PRC § 5024.1). The purpose of the CRHR is to maintain listings of the State’s historical resources and to indicate which properties are to be protected, to the extent prudent and feasible, from material impairment and substantial adverse change. The term historical resources include a resource listed in or determined to be eligible for listing in the CRHR; a resource included in a local register of historical resources; and any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (CCR § 15064.5[a]). Properties eligible or listed in the National Register of Historic Places are automatically included in the CRHR. The criteria for listing properties in the CRHR were expressly developed in accordance with previously established criteria developed for listing in the NRHP. The California Office of Historic Preservation regards “any physical evidence of human activities over 45 years old” as meriting recordation and evaluation (OHP 1995).

National Register of Historic Places Criteria

The subject property was evaluated according to the National Register Criteria for Evaluation, set forth under 36 CFR Part 60.4. As defined by the National Park Service (NPS), the quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

- **Criterion A:** that are associated with events or activities that have made a significant contribution to the broad patterns of our history; or
- **Criterion B:** that are associated with the lives of persons significant in our past; or
- **Criterion C:** that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- **Criterion D:** that have yielded, or may be likely to yield, information important in prehistory or history.

NRHP-eligible districts must possess a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development. NRHP-eligible districts and buildings must also possess historic significance, historic integrity, and historical context.

California Register of Historical Resources Criteria

The CRHR was established in 1992 and codified by PRC Sections 5024.1 and Title 14 Section 4852. The CRHR is an authoritative listing and guide to be used by state and local agencies, private groups, and citizens in identifying the existing historical resources of the state and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change (Public Resources Code, 5024.1(a)). The criteria for eligibility for the CRHR are consistent with the NRHP criteria but have been modified for state use to include a range of historical resources that better reflect the history of California (Public Resources Code, 5024.1(b)). Unlike the NRHP however, the CRHR does not have a defined age threshold for eligibility; rather, a resource may be eligible for the CRHR if it can be demonstrated sufficient time has passed to understand its historical or architectural significance (California Office of Historic Preservation 2011). Furthermore, resources may still be eligible for listing in the CRHR even if they do not retain sufficient integrity for NRHP eligibility (California Office of Historic Preservation 2011). Generally, the California Office of Historic Preservation recommends resources over 45 years of age be recorded and evaluated for historical resources eligibility (California Office of Historic Preservation 1995).

A property is eligible for listing in the CRHR if it meets one of more of the following criteria:

- **Criterion 1:** Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
- **Criterion 2:** Is associated with the lives of persons important to our past;
- **Criterion 3:** Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values;
- **Criterion 4:** Has yielded, or may be likely to yield, information important in prehistory or history.

Assembly Bill 52

The Legislature added requirements regarding tribal cultural resources for CEQA in Assembly Bill 52 (AB 52) that took effect on July 1, 2015. AB 52 requires lead agencies to consult with California Native American tribes and consideration of tribal cultural resources in the CEQA process. By including tribal cultural resources early in the CEQA process, the legislature intended to ensure that local and Tribal governments, public agencies, and project proponents would have

information available early in the project planning process, to identify and address potential adverse impacts to tribal cultural resources. By taking this proactive approach, the legislature also intended to reduce the potential for delay and conflicts in the environmental review process. To help determine whether a project may have such an effect, the Public Resources Code requires a lead agency to consult with any California Native American tribe that requests consultation and is traditionally and culturally affiliated with the geographic area of a Proposed Project. Since RCCD will initiate and carry out the required AB52 Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff are available to answer questions and address comments as necessary.

CULTURAL SETTING

PRE-CONTACT CONTEXT

Norco College is located within the traditional boundaries of the of the Kizh and Tongva (Gabrieliño) and Payómkawichum (Luiseño)

Luiseño

The Luiseño (Payómkawichum) history in the region dates back over 12,000 years. Luiseño is a term applied by Spanish missionaries for the native peoples in proximity to Mission San Luis Rey who shared “oral tradition, common language, and reciprocal relationship in ceremonies” (Oxendine 1983:8). Prior to the Spanish arrival in California, Luiseño lands extended from coastal areas and inland mountain ranges between modern-day Los Angeles and San Diego counties. Traditionally, the Luiseño occupied sedentary villages in sheltered areas in valley bottoms, along streams, and in the coastal strands near mountain ranges. Inland groups had fishing and gathering sites along the coast that were intensively used from January to March when inland food resources were scarce. During October and November, most of the village would relocate to mountain oak groves to harvest acorns. The Luiseño remained at village sites for the remainder of the year, where food resources were within a day’s travel (Bean and Shipek 1978; Kroeber 1976). Though these territorial boundaries were somewhat fluid They encompassed an extremely diverse environment that included coastal beaches, lagoons and marshes, inland river valleys and foothills, and mountain groves of oaks and evergreens (Bean and Shipek 1978:551).

Gabrieliño

The Gabrieliño (Kizh and Tongva) are the First Angelenos with lands stretching through the Los Angeles Basin and four Southern Channel Islands (Gabrielino-Tongva Indian Tribe 2025). Their history in the region dates back to approximately 6000 B.P. Because of their access to resources such as soapstone, or steatite, procured from Santa Catalina Island quarries, this group was among the wealthiest and most populous aboriginal groups in all of southern California. Trade of

materials and resources controlled by the Gabrielino extended as far north as the San Joaquin Valley, as far east as the Colorado River, and as far south as Baja California (Bean and Smith 1978; Kroeber 1976). Gabrieliño is a term applied by Spanish missionaries for the native peoples proximity to Mission San Grabriel referring to people related to Cupan languages, including Juaneño/Luiseño/Ajachemem (Bean and Smith 1978). Traditionally, the Gabrieliño occupied permanent villages along riverways and intermittent streams. Additionally, the Channel Islands contained larger settlements based on marine procurement practices (Bean and Smith 1978; Kroeber 1976).

Larger villages were comprised of several families or clans, while smaller, seasonal camps typically housed smaller family units. The somewhat stratified society contained three social classes dictating ownership and social obligations (Bean and Smith 1978:540-546). During times of the year when certain seasonal resources were available, the village would divide into lineage groups and move out to exploit them, returning to the village between forays (Bean and Smith 1978; Kroeber 1976). Each lineage had its own leader, with the village chief coming from the dominant lineage. Several villages might be allied under a paramount chief. The status of the chief was legitimized by his safekeeping of the sacred bundle, a representation of the link between the material and spiritual realms and the embodiment of power (Bean and Smith 1978; Kroeber 1976). Marriages were made between individuals of equal social status and, in the case of powerful lineages, marriages were arranged to establish political ties between the lineages (Bean and Smith 1978; Kroeber 1976). Men conducted most of the heavy labor, hunting, fishing, and trading with other groups. Women's duties included gathering and preparing plant and animal resources, and making baskets, pots, and clothing (Bean and Smith 1978; Kroeber 1976).

HISTORIC CONTEXT

Early Riverside County History and Development of Norco

California, once controlled by Spain, was known as Alta California during the Mexican Period. California was ceded to the United States in 1848 by the Treaty of Guadalupe Hidalgo, ending the Mexican-American War. The treaty ceded land to the United States while preserving large rancho grants that occurred under the Mexican government. Rancho La Sierra was granted to Vincent Sepulveda in 1846 by Governor Pio Pico. The 17,774-acre rancho was used for grazing cattle within present-day La Sierra and Norco. After secession of California, in 1848, and the establishment of the Land Act, in 1851, Rancho La Sierra was awarded to Vincenta Sepulveda. Rancho La Sierra was sold to Able Stearns, owner of the adjacent Rancho Jurupa. Drought in 1863 forced the sale of the land several times the North Corona Land Company purchased the property for citrus farming in 1921 as a subdivision of the Corona Land Company.

Growth of the citrus industry was fueled by the cooperation of Southern California Company Association and Silk Center Association, who developed the Riverside Canal for irrigation, and the connection of the Atchison, Topeka, and Sante Fe transcontinental line. Growth in the area led to the formation of Riverside County, in 1893, from portions of San Bernadino and San Diego

counties in which the City of Riverside was named county seat. Norco was founded in 1923 by developer Rex Clark as a utopian settlement of independent farmers. The area consisted of five Norco Farm subdivisions with village center containing a general store, gasoline station, and library. Clark created a manufacturing district north of Norco Store. The town grew in 1924 with the discovery of a hot mineral spring, creating an opportunity to build the Norconian Resort. However, the resort opened months prior to “Black Tuesday” and the business failed during the Great Depression.

By 1941, the U.S. Navy bought the hotel for use as a hospital to treat casualties from WWII. While the hospital closed in 1949, the Navy repurposed the area surrounding the resort for guided missile development and analysis in 1951. The site was run by the National Bureau of Standards (NBS) Missile Development Division and was designated NBS Corona Laboratory in 1952. Realignment in the Department of Defense redesignated the laboratory as a Naval Weapons Station Seal Beach Detachment known as the Naval Surface Warfare Center, Corona Division. Navy owned property was consolidated and the southern area around the base sold off. By 1985, the Riverside Community College District purchased 141 acres from the U.S. government. Norco College was established in 1991 south of the now known Naval Weapons Station Seal Beach Detachment Norco.

HISTORIC MAP AND AERIAL PHOTOGRAPHY REVIEW

Terracon examined historic maps and aerial photographs to identify past land use around Norco College. Bureau of Land Management General Land Office survey maps show the PAL is within part of the Rancho La Sierra (BLM 1876 and BLM 1910). An early USGS map, dated 1901, depicts the PAL was an undeveloped portion of Auburndale, within the Rancho La Sierra Rancho land. Aerial images from 1938 and 1948, as well as a USGS map from 1947, illustrate a network of roads surrounding the PAL, leading to Lake Norconian and the resort. The subsequent maps from 1957 and 1967 show the establishment of the NBS Laboratory as well as the boundaries of the Naval Reservation (Figure 4). An aerial image from 1967 shows the area surrounding the PAL was cleared and a building constructed to the east. By 1980 (NETR Online 2025), the road network from the Naval Reservation bisected the PAL. The land was cleared between 1985 and 1991, when the Norco College campus was constructed (NETR Online 2025). The college campus expanded by 1998 and include additional parking lots surrounding the PAL.

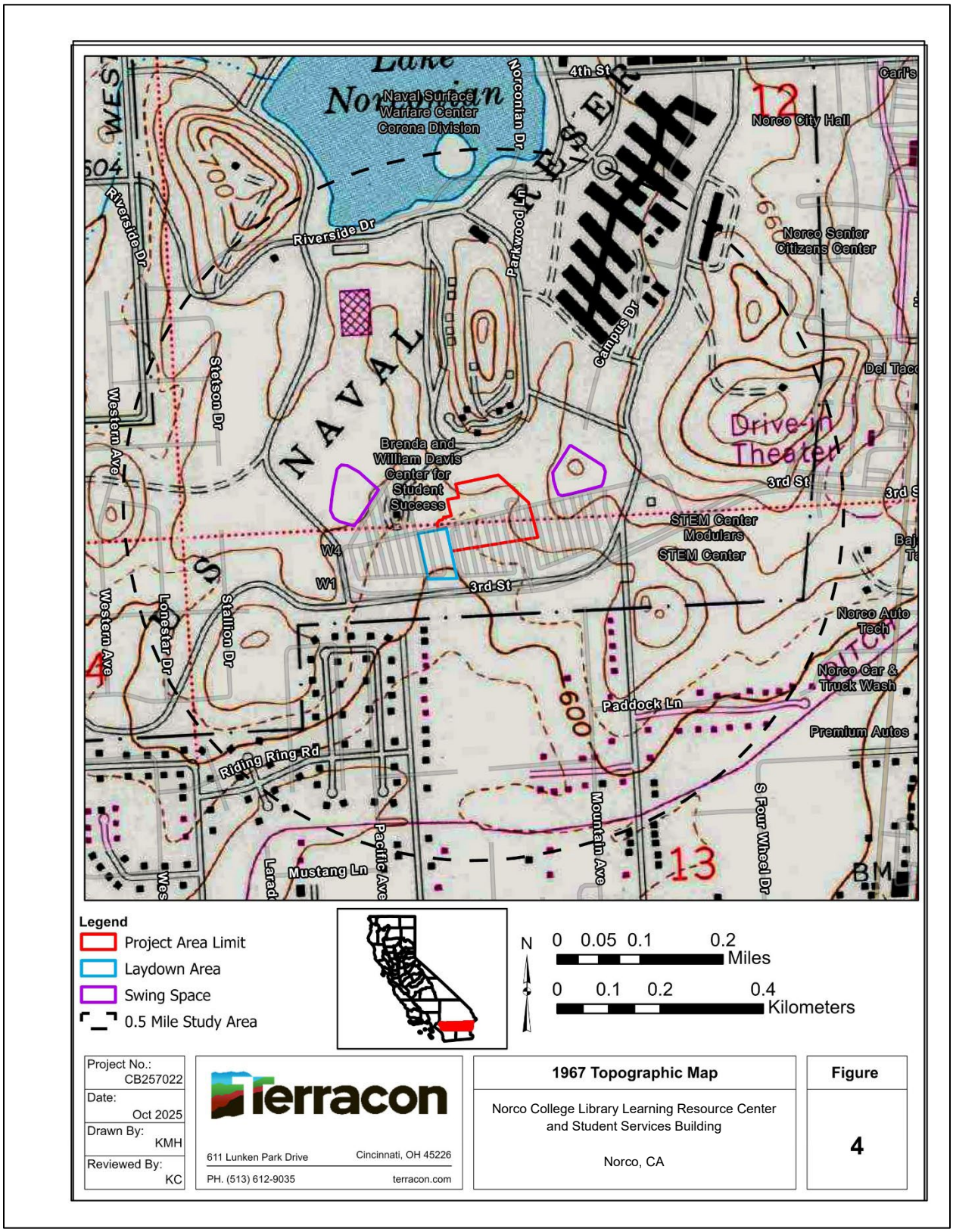

Figure 4. PAL on 1967 Topographic Map

RESULTS

RECORD SEARCH

Terracon conducted a literature review including review of California Historical Resources Information System (CHRIS) confidential site database, National Park Service's (NPS) National Register Information System (NRIS), and historic USGS topographic maps, atlases, and aerial photography. The area examined included the 4.66-acre PAL and a 0.5-mile search radius. A confidential record search was conducted at the CHRIS South Coastal Information Center (SCIC), at San Diego State University, on October 6, 2025. A Native American Heritage Commission (NAHC) Search was received on October 10, 2025 (Appendix B). NAHC found the project area negative for sacred sites but recommended further consultation under AB 52.

Based on the results of the CHRIS SCIC background research (Appendix A), there are no recorded archaeological sites or above-ground resources within the PAL, Laydown Area, or Swing Spaces. There are three Pre-Contact archaeological sites, two historic period archaeological sites, and one above-ground resource with the 0.5-mile search radius (Table 1). One previous cultural resource study encompasses Norco College, including the PAL (Table 2). Three additional surveys were also recorded within the search radius (Table 2).

Table 1. Previously Recorded Cultural Resources within the 0.5 Mile Study Area

Resource ID	Description	NRHP Eligibility
Primary: P-33-002315 Trinomial: CA-RIV-002315	Pre-Contact Bedrock milling feature	Undetermined
Primary: P-33-002316 Trinomial: CA-RIV-002316	Pre-Contact Bedrock milling feature	Undetermined
Primary: P-33-002317 Trinomial: CA-RIV-002317 Other: 4-Cal-S-325	Pre-Contact Bedrock milling feature	Undetermined
Primary: P-33-009101 Trinomial:CA-CAL-0000325 Other: Lake Norconian Club	Lake Norconian Club	NRHP Listed Historic District
Primary: P-33-029182 Trinomial: CA-RIV-013035 Other: SRI-23	Historic trash scatter	Undetermined
Primary: P-33-029186 Other: IO-16	Historic Isolate	Undetermined

Table 2. Previous Cultural Resources Surveys within the PAL and 0.5 Mile Study Area

Report Number	Author	Title	Year
RI-01108	**Christopher E. Drover**	**Environmental Impact Evaluation: An Archaeological Assessment of the Proposed Riverside Community College District Site and Dean Homes Residential Development, Norco, California**	**1987**
RI-01109	Hans H. Feickert	Intensive Cultural Resources Survey on the Norco Naval Reservation, Riverside County, California	1980
RI-01913	Daniel F. McCarthy	An Archaeological Assessment of a Portion of a Proposed Interceptor Serwer Pipeline Right-of-Way in Norco-Corona Area, Riverside County, California	1985
RI-10697	Bill Wilkman	The Expansion of Norco Landmark #1 to Encompass All Historic Resources Associated with the Norconian Resort, Naval Hospital Corona, and Naval Weapons Station Corona Generally Bounded by 5th Street, Western Avenue, Norco College, and Hamner Avenue, Norco, CA 92860	2019

*** Bold surveys are within the PAL**

Drover 1987 conducted an archaeological assessment of 285 acres of land on behalf of the RCCD. The land was purchased by RCCD from the Navy for the development of Norco College. The survey was located south of Lake Norconian, within the U.S. Navy Fleet Analysis Center. The survey encompasses the entire Norco College campus. Drover (1987) recorded six archaeological sites (RIV-1229, RIV-1230, RIV-2315, RIV-2316, RIV-2317, and RIV-3002) within the U.S. Navy property. The sites represented Pre-Contact bedrock processing locations. Sites RIV-2315 and RIV-2317 are located approximately 0.45 miles east of the PAL. The remaining sites are located approximately 0.8 miles east of the PAL.

FIELD SURVEY

Terracon conducted a Cultural Resources Survey of the PAL on October 1, 2025. The assessment included a site visit to document the current conditions of the parcel and any disturbances (Figures 5-8). Norco College, including the Student Services building, College Resource Center, and Portables A and B buildings were constructed in the 1990s and are less than 45 years old. Photographs of the PAL and surrounding areas were taken. The PAL consists of raised plant beds and the buildings are surrounded by concrete sidewalks, landscaped quad, and asphalt parking lots. Vegetation included imported trees, grass, and perennials. The exposed soil was inspected. No cultural material was observed. Additionally, Terracon surveyed the Laydown Area in Parking Lot C and the Swing Spaces near Parking Lot B and D. Parking Lot C consists of asphalt and was not subject to pedestrian transects. The Swing Spaces contained 80% ground visibility (Figures 9-11). Both fields were previously graded and are surrounded by earthen berms and graded roads. The fields were disturbed by earth moving activities and contained modern trash. No cultural material was observed within the PAL, Laydown Area, or Swing Spaces.

Figure 5. Overview of the PAL, Student Services Building, and Parking Lot C Laydown Area, View North

Figure 6. Overview of the PAL, Student Services Building and Quad, View South

Figure 7. Overview of the PAL, View West

Figure 8. Overview of the PAL, View East

Figure 9. Overview of the Swing Space (east), View Northeast

Figure 10. Previous Disturbance in Swing Space (east), View Southwest

Figure 11. Overview of Swing Space (west) and Previous Disturbance, View North

SUMMARY AND RECOMMENDATIONS

Terracon, on behalf of RCCD, has completed a Cultural Resources Assessment for the proposed Norco College Library Learning Resource Center and Student Services building in Norco, California. This assessment was done under contract to RCCD, in accordance with Terracon Proposal No. PCB257022 dated August 1, 2025, and partial fulfillment of the California Environmental Quality Act (CEQA) to determine if there are properties listed or eligible for listing NRHP and CRHR within or near the PAL. According to the SCIC confidential records search, there are no cultural resources within the PAL. The PAL was previously surveyed in 1987 as part of a land purchase between RCCD and the U.S. government. The survey located two sites within 0.5-miles of the PAL. Additionally, SCIC recorded three additional historic scatters and on NRHP listed property within 0.5-miles of the PAL.

The PAL is located within the Norco College campus and surrounded by asphalt parking areas, concrete sidewalks, planters with imported plant species, and a landscaped quad. The existing Student Services building, College Resource Center, and Portables A and B were constructed in the 1990s and are not historic resources. A survey of the PAL, Laydown Area, and Swing Spaces found no cultural material. A Native American Heritage Commission (NAHC) file search was received on October 10, 2025. NAHC found the project area negative for sacred sites but recommended further consultation under AB 52. Terracon recommends no further cultural resources work for this project at this time; however, additional CEQA requirements, including Native American Consultation, may be required by the lead agency.

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1967 *Corona North, CA* quadrangle, 1:25000 series. Published 1967. Edited 1969. USGS, Washington, DC. Website https://ngmdb.usgs.gov/topoview/viewer/#14/38.4168/-121.8142 Accessed October 9, 2025

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APPENDIX A:

SCIC RECORDS SEARCH

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
RI-01108	NADB-R - 1081208; Voided - MF-1051	1987	Christopher E. Drover	Environmental Impact Evaluation: An Archaeological Assessment of the Proposed Riverside Community College District Site and Dean Homes Residential Development, Norco, California	Consulting Archaeologist, Tustin, CA	33-001229, 33-002315, 33-002316, 33-002317, 33-003002
RI-01109	NADB-R - 1081209; Voided - MF-1051	1980	Hans H. Feickert	Intensive Cultural Resources Survey on the Norco Naval Reservation, Riverside County, California	California State Lands Commission, Sacramento, CA	33-001229
RI-01872	NADB-R - 1082247; Voided - MF-2032	1984	DROVER, CHRISTOPHER E.	AN ARCHAEOLOGICAL ASSESSMENT OF PROPOSED INSTALLATION OF WASTEWATER TREATMENT FACILITIES FOR NORCO, CALIFORNIA	AUTHOR(S)	33-001230
RI-01913	NADB-R - 1082287; Voided - MF-2070	1985	MCCARTHY, DANIEL F.	AN ARCHAEOLOGICAL ASSESSMENT OF A PORTION OF A PROPOSED INTERCEPTOR SEWER PIPELINE RIGHT-OF-WAY IN THE NORCO- CORONA AREA, RIVERSIDE COUNTY, CALIFORNIA	ARCHAEOLOGICAL RESEARCH UNIT, U.C. RIVERSIDE	33-003002
RI-03544	Caltrans - 08-RIV-I15, PM 42.3/43.4; NADB-R - 1084240; Voided - MF-3808	1992	WLODARSKI, ROBERT	NEGATIVE ARCHAEOLOGICAL SURVEY REPORT (08-RIV-I15, PM 42.3/43.4)	H.E.A.R.T., Calabass, CA	
RI-03598	NADB-R - 1084316; Submitter - SWCA Aarchaeological Report Number 92-91; Voided - MF-3871	1992	SEYMOUR, GREGORY and DAVID DOAK	AN ARCHAEOLOGICAL SURVEY FOR THE WESTERN RIVERSIDE REGIONAL WASTEWATER TREATMENT FACILITY CONVEYANCO SYSTEM IN CORONA AND NORCO, RIVERSIDE COUNTY, CALIFORNIA.	SWCA, Inc., Tucson, AZ	
RI-04087	NADB-R - 1085254; Voided - MF-4549	1998	WLODARSKI, ROBERT J.	A PHASE I ARCHAEOLOGY STUDY: NORCO SENIOR HOUSING PROJECT (PHASE II) (2 ACRE PARCEL OF LAND), CITY OF NORCO, RIVERSIDE COUNTY, CALIFORNIA.	HEART	
RI-04332	NADB-R - 1085625; Voided - MF-4830	2000	STRUDWICK, IVAN H.	PREHISTORIC RESOURCE ASSESSMENT OF THE CALIFORNIA REHABILITATION CENTER (CRC) PROPOSED DORMITORY REPLACEMENT PROJECT, NORCO, RIVERSIDE COUNTY, CALIFORNIA.	LSA ASSOCIATES, INC.	

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
RI-04333	NADB-R - 1085665; Voided - MF-4830	1999	URBAS, ANDREA	Letter Report: Department Of Corrections/California Rehabilitation Center, Norco, Riverside County, "Proposed Demolition Of 28 Temporary WWII Barracks." Determination of Eligibility and Effect.	AUTHOR	33-009101, 33-009102, 33-009103
RI-04334	NADB-R - 1085666; Other - CSP930; Voided - MF-4830	2000	URBAS, ANDREA	LETTER REPORT: DEPARTMENT OF CORRECTIONS/CALIFORNIA REHABILITATION CENTER, NORCO, RIVERSIDE COUNTY, "REPLACEMENT OF 28 TEMPORARY WWI BARRACKS," DETERMINATION OF EFFECT ON THE NORCONIAN CLUB, PROJECT #CSP930.	AUTHOR	33-009101, 33-009102, 33-009103
RI-05663	NADB-R - 1087026; Submitter - CA-8871B	2005	Lorna Billat	Letter Report: Historic Commission for Nextel of California (Nextel) Wireless Telecommunications Service (WTS) Facility Project Trail/ CA-8871A, in Norco, Riverside County, California	EarthTouch, Inc.	
RI-06083	NADB-R - 1087446	2004	Lorna Billat	Letter Report: Proposed Cellular Tower Project in Riverside County, California, Site Name/Number: CA-8871/Trail	EarthTouch, Inc.	
RI-07155		2003	Caprice D. Harper	Cultural Resource Assessment for Cingular Wireless Facility No. SB 260-02 in Norco, Riverside County, California	LSA Associates, Inc.	
RI-07181		2003	Pletka, Nichole	Cultural Resource Assessment: AT&T Wireless Services, Facility NO. 24002C, Norco, Riverside County, California.	LSA	
RI-07447		2007	Bonner, H. Wayne and Aislin-Kay, Marnie	Cultural Resource Records Search Results and Site Visit for Royal Street Communications, LLC Telecommunications Facility Candidate LA2311A (Storage Stop), 3475 Second Street, Norco, Riverside County, California	MBA	
RI-08766		2011	Casey Tibbet, Riordan Goodwin, and Jennifer Thornton	Cultural Resources Assessment, Norco Ranch Commerce Park, City of Norco, Riverside County, California	LSA	
RI-10262		2017	Don C. Perez	Archaeological Sensitivity Assessment RV90XSA44B/ 9CAB012573-B Tara Lane & Town and Country Road Norco, CA 92860 Riverside County EBI Project No. 6117004639	EBI Consulting	

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
RI-10457		2018	Kholood Abdo-Hintzman	Phase I Cultural Resource Assessment for the 1550 Second Street Automotive Dealership Project, City of Norco, Riverside County, California	Applied EarthWorks, Inc.	33-028176
RI-10529		2015	Gabriel Ocampo	Cultural Resources Survey Corydon and Fifth Street Norco, Riverside County, California	EBI Consulting	
RI-10697	Other - N6946-01; Other - TCNS #124334, Mustang	2015	Heather R. Puckett	Cultural Resources Summary for the Proposed Verizon Wireless, Inc., Property at the Mustang Site, at 2081 2nd Street, Norco, Riverside County, California 92860	TETRA TECH	
RI-10726		2019	Bill Wilkman	The Expansion of Norco Landmark #1 to Encompass All Historic Resources Associated with the Norconian Resort, Naval Hospital Corona, and Naval Weapons Station Corona Generally Bounded by 5th Street, Western Avenue, Norco College, and Hamner Avenue, Norco, CA 92860	Wilkman Historical Services	33-028889
RI-10953		2019	David Brunzell	Culltural Resources Assessment for the Norco Saddle Ranch Phase 2 Project, Norco, Riverside County, California	BCR Consulting LLC	
RI-11142		2015	Lisa Ellen Bosalet	NWVWPNSTA Seal Beach Detachment Norco Building 506	Department of the Navy	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-33-001229	CA-RIV-001229		Site	Prehistoric	AP04	1977 (I. Eastvold); 1980 (Hans H. Feickert, Arne Bjornsen); 1985 (D. McCarthy); 1987 (C.E. Drover)	RI-00534, RI-01108, RI-01109
P-33-001230	CA-RIV-001230		Site	Prehistoric	AP02	1977 (I. Eastvold); 1984 (C. Drover, E. Drover)	RI-00534, RI-01872
P-33-002315	CA-RIV-002315		Site	Prehistoric	AP04	1980 (Hans H. Feickert and Arne Bjornsen); 1987 (C.E. Drover)	RI-01108, RI-10280
P-33-002316	CA-RIV-002316		Site	Prehistoric	AP04	1980 (Hans H. Feickert and Arne Bjornsen); 1985 (D. McCarthy); 1987 (C.E. Drover)	RI-01108, RI-10280
P-33-002317	CA-RIV-002317		Site	Prehistoric	AP04	1980 (Hans H. Feickert); 1987 (C.E. Drover)	RI-01108
P-33-009101		Other - California Rehabilitation Center; Resource Name - Lake Norconian Club; National Register - 1D, 1S, 3S, 6X	District	Historic	HP05; HP14	1999 (Andrea Urbas, LSA Associates, Inc.); 2022 (Statistical Research, Inc., Statistical Research, Inc.)	RI-04333, RI-04334
P-33-012123			Building	Historic			
P-33-013002	CA-RIV-007244		Site	Historic			
P-33-019896	CA-RIV-010121	Other - LSA-APG1101-S-1	Site	Historic	AH02	2011 (R. Goodwin, LSA Associates)	
P-33-019897	CA-RIV-010122	Other - LSA-APG1101-S-2	Site	Historic	AH02	2011 (R. Goodwin, LSA Associates)	
P-33-019898		Other - 2441 First Street		Historic		2011 (C. Tibbet, LSA Associates)	
P-33-019899		Other - 2503 First Street	Building	Historic	HP02	2011 (C. Tibbet, LSA Associates)	
P-33-019900		Other - 2214 Second Street		Historic		2011 (C. Tibbet, LSA Associates)	
P-33-019901		Other - 2138 Second Street		Historic		2011 (C. Tibbet, LSA Assosicates)	
P-33-019902		Other - 2266 Second Street		Historic		2011 (C. Tibbet, LSA Associates)	
P-33-019903		Other - 2390 Second Street		Historic		2011 (C. Tibbet, LSA Associates)	
P-33-019904		Other - 1492 Mountain Avenue		Historic		2011 (C. Tibbet, LSA Associates)	
P-33-019905		Other - 1500 Mountain Avenue		Historic		2011 (C. Tibbet, LSA Associates)	
P-33-019906		Other - 1658 Mountain Avenue		Historic		2011 (C. Tibbet, LSA Associates)	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-33-019907		Other - 1751 Mountain Avenue		Historic		2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019908		Other - 1433 Pacific Avenue	Building	Historic	HP02	2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019909		Other - 1541 and 1463 Pacific Avenue		Historic		2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019910		Other - 1445 Pacific Avenue		Historic		2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019911		Other - 1475 Pacific Avenue	Building	Historic	HP02	2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019912		Other - 1577 Pacific Avenue		Historic		2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019913		Other - 1619 Pacific Avenue		Historic		2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019914		Other - 1765 Pacific Avenue		Historic		2011 (Casey Tibbet, LSA Associates, Inc.)	
P-33-019937		Other - 1661 Mountain Avenue		Historic		2011 (Casey Tibbet, LSA Associates Inc.)	
P-33-028889		Other - Norconian Property; Other - Norconian Resort Supreme; Other - Naval Hospital Corona; Other - Detachment Norco	District	Historic	HP34	2019 (Bill Wilkman, Wilkman Historical Services (WHS))	RI-10726
P-33-029181	CA-RIV-013034	Other - SRI-6	Site	Historic	AH04	2022 (Joy Vhymeister, James Clark, Luke Burnor and Melissa Helm, Statistical Research Inc.)	
P-33-029182	CA-RIV-013035	Other - SRI-23	Site	Historic	AH04	2022 (Joy Vhymeister, Luke Burnor and Melissa Helm, Statistical Research, Inc.)	
P-33-029183	CA-RIV-013036	Other - Corona 1	Site	Historic	AH02; AH06	2022 (Joy Vhymeister, Luke Burnor and Melissa Helm, Statistical Research, Inc.)	
P-33-029184		Other - IO-14	Other	Historic	AH16	2022 (Joy Vhymeister, James Clark, Luke Burnor and Melissa Helm, Statistical Research, Inc.)	
P-33-029185		Other - IO-15	Other	Historic	AH16	2022 (Joy Vhymeister, James Clark, Luke Burnor and Melissa Helm, Statistical Research, Inc.)	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-33-029186		Other - IO-16	Other	Historic	AH16	2022 (Joy Vhymeister, James Clark, Luke Burnor and Melissa Helm, Statistical Research, Inc.)	

APPENDIX B:

NAHC SITES REQUEST

NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

October 10, 2025

Kelly Higelmire
Terracon Consultants

Via Email to: kelly.higelmire@terracon.com

Re: Norco College - Library Learning Resource Center and Student Services Building Project, Riverside County

To Whom It May Concern:

As requested, a search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed based on information submitted for the above referenced project. The results were negative. Be aware that tribes do not always record their sacred sites in the SLF, nor are they required to do so. As such, an SLF search is not a substitute for consultation with all tribes that are traditionally and culturally affiliated with a project's geographic area.

Attached is a list of Native American tribes that are traditionally and culturally affiliated with the project's geographic area. Please contact all of the listed tribes as they may have information about sacred sites within the project area that is not listed with the NAHC.

If within two weeks of notification, a response has not been received, the Commission requests that you follow up with a telephone call or email to ensure that the project information was received.

If you receive notification of a change of address or phone number from a tribe, please inform the NAHC so that we can assure that our lists contain current information.

In addition to engaging in tribal consultation, you should consult the appropriate regional California Historical Research Information System (CHRIS) information center to determine whether it has information regarding the presence of recorded archaeological sites within the project area.

If you have any questions or need additional information, please contact me at Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

APPENDIX C:

KEY PERSONNEL

Kelly Higelmire, M.A.

Principal Investigator – Cultural Resources

PROFESSIONAL EXPERIENCE

Kelly Higelmire is a Senior Scientist at Terracon Consultants. Mr. Higelmire serves as a Principal Investigator is responsible for directing archaeological, architectural history, and historic building survey projects, lab analysis, collections management, and Native American/NAGPRA consultation. Mr. Higelmire is qualified under the Secretary of Interior Standards (36 CFR Part 61) for archaeology, architectural history, and history.

Mr. Higelmire has over 17 years of cultural resource management experience across the Continental United States, Pacific Islands, and U.S. Territories. Mr. Higelmire has served as a Principal Investigator over the last 11 years specializing in federal and state cultural resources project management. He also served as a Federal Archaeologist and Native American Liaison at Marine Corps Base Camp Pendleton where he was responsible for NAGPRA consultation with federally and non-federally recognized tribes, Section 106 compliance, and management of military construction (MILCON) projects. Prior to federal service, he worked for the Fort Bragg Army Installation Cultural Resources Program as an Archaeologist, Historic Preservation Specialist and Curator, responsible for the curation and management of the Base's cultural collections, Section 106 compliance, and architectural and landscape preservation. Mr. Higelmire is trained in FCC and FERC compliance, Section 106 and 110 of the NHPA, Section 4(f) of the Department of Transportation Act, NEPA, NAGPRA, NHPA Agreement Documentation, Anti-Terrorism Awareness, Traditional Cultural Properties, HAZWOPER, 36 CFR Part 79 Collections Management, CEQA and AB 52 compliance, and Oral History Collection. Mr. Higelmire has also worked under permits from the U.S. Forest Service, Bureau of Land Management, and National Park Service.

EDUCATION

Master of Arts,
American Studies,
University of Hawaii, Honolulu, HI
Historic Preservation Graduate Certificate University of Hawaii, Honolulu, HI
Bachelor of Arts,
Anthropology/History,
Sonoma State University, Rohnert Park, CA

REGISTRATIONS/ CERTIFICATIONS

36 CFR 61-Qualified Archaeology, History, Architectural History
University of Hawaii Historic Preservation Field School

PROFESSIONAL TRAINING

ACHP Section 106 Essentials
NPS Archeological Resources Protection Act (ARPA) Training
Archaeological Curation and Collections Management
NCPTT Cemetery Monument Conservation
ESRI ArcGIS Database Management
ESRI ArcGIS Practical Applications

AFFILIATIONS

Society of American Archaeology
Society for Historical Archaeology
Society of Architectural Historians
Society of American Military Engineers
Society for Hawaiian Archaeology

SELECTED PROJECT EXPERIENCE (2020-2024)

Proposed Interstate 80/Gilman Street Interchange Improvement Project– Berkeley, CA
Role: Project Manager and Principal Investigator
Architectural History and Archaeological Survey to assess the impacts of the I-80 and Gilman Interchange improvements for the California Department of Transportation Project and City of Berkeley.

Mountain Valley Pipeline Cultural Resources Identification Survey– Multiple Counties, VA and WV
Role: Principal Investigator and Senior Architectural Historian
Phase I and II survey and HABS and HAER level documentation, and landscape architecture and viewshed studies for Federal Energy Regulatory Commission pipeline project sections in Virginia and West Virginia.

Dakota Access Pipeline Cultural Resources Identification Survey- Multiple Counties, IL
Role: Principal Investigator and Senior Architectural Historian
Phase I and II survey and HABS and HAER level documentation, and landscape architecture and viewshed studies for Federal Energy Regulatory Commission pipeline project sections in Illinois.

Road Improvement and Sidewalk Installation along La Salle Avenue and Moraga Avenue – Oakland, CA
Role: Senior Architectural Historian
Architectural survey of proposed road widening impacts by the City of Oakland. The project included desktop research, site surveys, and evaluation of 18 historic homes and a city park for listing on the National Register of Historic Places.

Middle River and McDonald Tap Mast Tower Replacement Contra Costa and San Joaquin Counties– Multiple Counties, CA
Role: Principal Investigator Senior Archaeologist
Phase I archaeological survey and architectural history survey for the proposed removal and replacement of Pacific Gas & Electric mast towers in the Sacramento River Basin.

Post-Fire Archaeological Investigations 2018-2022 – Multiple Counties, CA
Role: Senior Archaeologist
Emergency archaeological post-fire surveys from active wildfires occurring in 2018 and 2022. on behalf of Pacific Gas & Electric, US Forest Service, Bureau of Land Management, and National Park Service.

Corte Madera Tidal Marsh Restoration– Corte Madera, CA
Role: Project Manager
Phase I archaeological survey of a proposed 72-acre a marshland restoration. Cultural surveys and project documentation were completed on behalf of the Golden Gate Bridge, Highway and Transportation District, and local municipalities.

Military Ocean Terminal Concord Pier Renovation, Concord, CA– Concord, CA
Role: Project Manager and Principal Investigator
Terrestrial and maritime cultural monitoring of national landmark site during construction and infrastructure repair. Work included terrestrial and maritime archaeological monitoring of historic cultural material related to the associated WWII ammunition explosion scattering cultural material, unexploded ordinance, and human remains throughout the waterfront. The project was conducted by Kiewit-Manson Joint Venture under the United States Army Corp of Engineers permit.

Evaluation and Impact Assessment in Support of the BART Construction Feasibility Conceptual Designs for 19th St– Oakland, CA
Role: Principal Investigator
Evaluation of urban development impacts on a registered national landmark building and locally designated historic districts in the City of Oakland.

Historical Resource Evaluation Report for the Proposed Windsor River Road Pedestrian and Bicycle Improvements– Windsor, CA
Role: Principal Investigator and Senior Architectural Historian
California Department of Transportation Local Assistance Program Phase I archaeological study and NRHP evaluation of five historic buildings within the area of direct impact.

Historic Evaluation of Three Bridges in the Towns of Ross and San Anselmo – Ross and San Anselmo, CA
Role: Project Manager
Caltrans Local Assistance Program impact evaluation of roadway repairs along three historic bridges.

Cultural Resources Support for the Deer Hollow Farm White Barn Project in Rancho San Antonio Open Space Preserve– Los Altos, CA
Role: Senior Architectural Historian
Evaluation of a historic California homestead for listing on the National Register of Historic Places.

Appendix D
Geotechnical Engineering Report

GEOTECHNICAL AND INFILTRATION EVALUATION
PROPOSED LIBRARY LEARNING RESOURCE CENTER AND STUDENT SERVICES BUILDING
NORCO COLLEGE
2001 THIRD STREET
NORCO, RIVERSIDE COUNTY, CALIFORNIA

PREPARED FOR

RIVERSIDE COMMUNITY COLLEGE DISTRICT
3801 MARKET STREET
RIVERSIDE, CALIFORNIA 92501

PREPARED BY

GEOTEK, INC.
1548 NORTH MAPLE STREET
CORONA, CALIFORNIA 92878

PROJECT NO. 4400-CR **NOVEMBER 14, 2025**

GEOTEK

GeoTek, Inc.
1548 North Maple Street, Corona, California 92878
(951) 710-1160 Office (951) 710-1167 Fax www.geotekusa.com

November 14, 2025
Project No. 4400-CR

Riverside Community College District
3801 Market Street
Riverside, California 92501

Attention: Mr. Mike Clark

Subject: **Geotechnical and Infiltration Evaluation**
Proposed Library Learning Resource Center and Student Services Building
Norco College
2001 Third Street
City of Norco, Riverside County, California

Dear Mr. Clark:

GeoTek, Inc. (GeoTek) is pleased to provide the results of this Geotechnical and Infiltration Evaluation for the proposed Library Learning Resource Center and Student Services Building to be constructed on the Norco College campus. Norco College is located at 2001 Third Street, in the City of Norco, Riverside County, California. This report presents a discussion of GeoTek's evaluation and provides preliminary geotechnical recommendations for site geologic hazards, site soil infiltration characteristics, site preparation, foundation design, retaining wall design, pavement design, concrete flatwork and construction of the proposed site improvements.

Based upon review and evaluation, site development appears feasible from a geotechnical viewpoint provided that the recommendations included in this report are incorporated into the design and construction phases of site development.

The opportunity to be of service is sincerely appreciated. If you have any questions, please do not hesitate to contact GeoTek.

Respectfully submitted,
GeoTek, Inc.

Bruce A. Hick
GE 2284, Exp. 12/31/26
Geotechnical Engineer

Edward H. LaMont
CEG 1892, Exp. 07/31/26
Principal Geologist

Jianguo Yang
PE C 98289, Exp. 12/31/27
Project Engineer

Distribution: (1) Addressee via email (one PDF file)

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Appendix D – Ground Motion Hazard Analysis
Appendix E – General Grading Guidelines

1. PURPOSE AND SCOPE OF SERVICES

The purpose of this study was to evaluate geotechnical conditions and possible geologic hazards associated with the construction of the Proposed Library Learning Resource Center and Student Services Building on the Norco College campus, located at 2001 Third Street, in the City of Norco, Riverside County, California, as outlined in GeoTek's proposal P-0804925-CR dated August 15, 2025. Services provided for this study included the following:

- Research and review of available geologic and geotechnical data and general information pertinent to the site,
- A site reconnaissance,
- Site exploration consisting of the excavation, logging, and sampling of eight (8) exploratory test borings extending to depths ranging from approximately 11.5 to 51.5 feet below the ground surface,
- Excavation of two (2) additional borings to a depth of about ten (10) feet below grade and performing an infiltration test in each boring,
- Performance of a seismic surface-wave survey that included one traverse for shear-wave analysis purposes.
- Collection of soil samples in the test borings,
- Laboratory testing of selected soil samples,
- Review and evaluation of site seismicity, site geologic hazards and
- Compilation of this geotechnical report which presents preliminary recommendations for site development.

The intent of this report is to aid in the evaluation of the site for future proposed developments from a geotechnical perspective. The professional opinions and geotechnical information contained in this report may need to be updated based upon review of the final site development and foundation plans. These plans should be provided to GeoTek for review when available.

2. SITE DESCROPTION AND PROPOSED DEVELOPMENT

2.1 SITE DESCRIPTION

The existing Norco College campus is presented on Figure 1, Site Location Map. The roughly rectangular-shaped approximate 1-acre project site for the proposed new college building is located in the south-centra portion of the existing Norco College campus, at 2001 Third Street, City of Norco, Riverside County, California (see Figure 5, Site Vicinity Map). Access to this portion of the campus is available from Mustang Circle, a paved and improved access road located adjacent to Third Street, and a paved drive aisle north of existing parking lots.

The project site is presently developed and includes two, two-story institutional structures identified as the Student Services Building and the College Police Office. Both of these buildings are surrounded by concrete walkways, landscape planters, and adjacent paved drive aisles. Numerous above and underground utility lines are present in this area.

The ground surface within and around the project area is generally level, with only minor grade variations across the existing paved and landscaped areas. The project site is situated at an elevation of approximately 638 feet above mean sea level (amsl). Surface drainage is primarily conveyed by sheet flow toward the south and southeast through the existing pavement and landscaped areas. Minor grade differences of less than about 3 to 5 feet are present across the project area.

2.2 PROPOSED DEVELOPMENT

Existing on-site improvements within the project area are to be demolished. Based on review of the schematic design documents prepared by DLR Group for the Riverside Community College District (RCCD), dated October 13, 2025, the proposed development consists of constructing a new three-story institutional building identified as the Library Learning Resource Center and Student Services Building. The proposed building will encompass a total gross floor area of approximately 71,739 square feet, with a maximum height of about 52 feet (to top of parapet). The structure is anticipated to be of Type IIA construction, fully sprinklered, with occupancy classifications of B, A-3, and S-1, in accordance with the 2025 California Building Code (CBC). The proposed site improvements also include new concrete and asphalt pavements, curbs, ramps, and stairs with handrails, as well as retaining and seat walls around the building perimeter. Additional improvements consist of new landscaping areas with trees, crosswalks and accessibility ramps, outdoor seating, and drainage facilities. Sewage disposal is anticipated via an existing public

sewer system. On-site stormwater disposal systems are likely also going to be included for development. The footprint of the proposed development is shown on Plate 1, Cross Section Location Map.

GeoTek anticipates that the proposed structure will be supported by a conventional shallow foundation system with a slab-on-grade floor. Anticipate structural loads are 200 to 300 kips for three-story interior columns and 5 kips for perimeter footings. Drilled pier foundations are anticipated to be utilized for covered walkways, light/flag poles, etc.

Based on the review of the current site topography and proposed schematic design, only minor earthwork is anticipated for site development. No major slopes or significant elevation differentials are expected within the project area.

3. FIELD EXPLORATION AND LABORATORY TESTING

3.1 FIELD EXPLORATION

Field exploration for this project was conducted on October 24 and 31, 2025. For the geotechnical portion of the investigation, eight (8) test borings (Borings B-1 through B-8) were excavated with a hollow-stem auger drill rig to a maximum depth of approximately 51.5 feet below the existing ground surface at the boring locations. A truck mounted hollow-stem auger drill rig with an outside diameter of approximately 8.5 inches was utilized to conduct the borings. The inside diameter of the auger was approximately 4.5 inches.

An engineer/geologist from GeoTek logged the exploratory borings and obtained soil samples from within the borings. The approximate boring locations are presented on Figure 2, Exploration Location Map.

In the geotechnical borings, relatively undisturbed soil samples were recovered at various intervals with a California sampler. The California sampler is 2.9-inch outside diameter, 2.5-inch inside diameter, split barrel sampler lined with brass rings. The sampler is approximately 18 inches in length. The sampler conformed to the requirements of ASTM D 3550. A 140-pound automatic trip hammer was utilized, dropping approximately 30 inches for each blow. The hammer used for this sampling had an energy transfer ratio of 81 percent. The sampler penetration test data are presented on the Logs of Exploratory Borings in Appendix A. The

relatively undisturbed samples, together with bulk samples of representative soil types, were returned to the laboratory for evaluation and possible testing.

In Boring B-3 standard penetration tests (SPT) were performed starting at a depth of approximately 25 feet beneath the ground surface with a 2.0-inch outside diameter, 1.5-inch inside diameter, split-barrel sampler. The sampler was approximately 18 inches in length. The inside diameter of the sampler shoe was 1.4 inches. The sampler was unlined. The sampler conformed to the requirements of ASTM D 1586. A 140-pound automatic trip hammer was utilized, dropping approximately 30 inches for each blow. The hammer used for this testing had an energy transfer ratio of 81 percent. The sampler penetration test data are presented on the Logs of Exploratory Borings in Appendix A.

The Logs of Exploratory Borings are presented in Appendix A of this report. The Logs of Exploratory Borings show subsurface conditions at the dates and locations indicated and may not be representative of other locations and times. The stratification lines presented on the logs represent the approximate boundaries between soil types, and the transitions may be gradual.

Infiltration Testing

Two (2) borings (Borings I-1 and I-2) were excavated on the project site on October 24 and 31, 2025, to evaluate preliminary infiltration rates for the proposed storm water management facilities. Infiltration testing was conducted in these borings in general accordance with County of Riverside guidelines.

The infiltration tests consisted of drilling eight-inch diameter test holes to the desired depth and installing approximately two (2) inches of gravel in the bottom of the holes. A three-inch diameter perforated PVC pipe, wrapped in a filter sock, was placed in the excavations and the annular space was filled with gravel to prevent caving within the borings. Water was then placed in the borings to presoak the holes and percolation testing was performed following the pre-soak period. Following presoaking, the percolation tests were performed which consisted of adding water to each test hole and measuring the water drop over a 30-minute period. The water drop was recorded, and 30-minute test intervals were completed. Water was added to the test holes after each test interval. The field percolation rates were then converted to an infiltration rate using the Porchet Method. The infiltration rates calculated using the Porchet Method are presented in the following table:

SUMMARY OF PRELIMINARY INFILTRATION RATES		
Boring	Depth of Test (Feet)	Preliminary Infiltration Rate* (Inches per hour)
I-1	10.0	0.06
I-2	10.0	0.02

*Porchet Method converted infiltration rate from field measured rate.

Copies of the percolation data sheets and the Porchet infiltration rate conversion calculations are presented in Appendix C. No factors of safety were applied to the rates provided. Over the lifetime of the infiltration areas, the infiltration rates may be affected by sediment build up and biological activities, as well as local variations in near surface soil conditions. A suitable factor of safety should be applied to the field rate in designing the infiltration system.

It should be noted that the infiltration rates provided above were performed in relatively undisturbed on-site soils. Infiltration rates will vary and are mostly dependent on the underlying consistency of the site soils and relative density. Infiltration rates may be impacted by weight of equipment travelling over the soils, placement of engineered fill and other various factors. GeoTek assumes no responsibility or liability for the ultimate design or performance of the storm water facility.

Representatives of GeoTek should observe the soils exposed at the bottom of the stormwater control facilities during construction/earthwork operations to confirm suitability and that the conditions exposed are as anticipated for the proposed stormwater disposal facilities.

3.2 LABORATORY TESTING

Laboratory testing was performed on selected soil and bedrock samples obtained during the field exploration. The purpose of the laboratory testing was to confirm the field classification of the earth materials encountered and to evaluate the physical properties of the earth materials for use in engineering design and analysis.

Optimum moisture content-maximum dry density relationships were established for typical soil types so that the relative compaction of the soils could be determined. Expansion index testing was performed on selected samples to evaluate the expansion potential of the on-site soils. Direct shear testing was conducted on remolded samples in order to help determine the shear strength of recompacted (fill) soils under saturated conditions. Selected soil samples were tested in order to evaluate their potential for hydro-collapse. Chemical testing, comprised of pH, soluble sulfate, chloride and resistivity testing, was conducted on selected soil samples.

The moisture-density and moisture content determinations are presented on the Logs of Exploratory Borings in Appendix A of this report. The maximum density, expansion index, direct shear, hydro-collapse, Chemical test data are presented in Appendix B of this report.

4. GEOLOGIC AND SOILS CONDITIONS

4.1 REGIONAL SETTING

The subject property is situated in the Peninsular Ranges geomorphic province. The Peninsular Ranges province is one of the largest geomorphic units in western North America. It extends approximately 975 miles south of the Transverse Ranges geomorphic province to the tip of Baja California. This province varies in width from about 30 to 100 miles. It is bounded on the west by the Pacific Ocean, on the south by the Gulf of California and on the east by the Colorado Desert Province.

The Peninsular Ranges are essentially a series of northwest-southeast oriented fault blocks. Several major fault zones are found in this province. The Elsinore Fault zone and the San Jacinto Fault zone trend northwest-southeast and are found near the middle of the province. The San Andreas Fault zone borders the northeasterly margin of the province.

More specific to the subject property, the site is located in an area geologically mapped to be underlain by old alluvium fan deposits (Qof) (Morton, D.M., Gray, C.H., Bovard, K.R., and Dawson, Michael, 2002). The nearest active fault is the Elsinore Fault Zone (Glen Ivy segment), located approximately 6 miles southwest of the site; no known active or potentially active faults are mapped crossing or projecting toward the Norco–Corona area. A Geologic Map and Regional Fault Map are presented as Figures 3 and 4, respectively.

4.2 GENERAL SOIL/GEOLOGIC CONDITIONS

A brief description of the earth materials encountered on the site is presented in the following sections. Based on the field exploration and observations, the site contains localized deposits of artificial fill associated with previous site improvements, underlain by older alluvium and granitic bedrock. A Geologic Map is presented on Figure 3. Plates 2A and 2B provide cross section depicting the orientation of the geologic units encountered in the borings. The location of the cross sections are provided on Plate 1.

4.2.1 Artificial Fill (Af)

Artificial fill soils were encountered within all exploratory borings below surface pavements (asphalt concrete and PCC) to depths of about 14.5 to 20 feet. The artificial fill was likely placed as compacted engineered fill during construction of the current campus. Considering that the original ground elevations were raised to match current campus grades, the compacted fill layer is relatively thick. The fill encountered generally consisted of silty sand, relatively clean sand, clayey sands and silty sandy clays (SM, SP, SC and CL soil types based upon the Unified Soil Classification System). These fill soils were found to be compact to very compact.

4.2.2 Older Alluvium (Qof)

Older alluvial deposits, consisting of interbedded silty sands, sands with silts and clean sands (SM and SP soil types) were encountered below the artificial fill soils to a maximum depth of approximately 39.5 feet. As encountered in the borings, the older alluvium was generally various shades of red brown to brown in color, and generally moist, and ranged from dense to very dense.

4.2.3 Granitic Bedrock (Kmp)

Granitic bedrock was encountered in Boring B-3 at a depth of approximately 39.5 feet below grade and extended to the maximum explored depth of approximately 51.5 feet. This bedrock is geologically mapped as consist of micropegmatite granite of Gavilan Ring Complex (Morton, et al., 2002). As encountered in boring B-3, the bedrock excavates as fine- to coarse-grained sand (decomposed granite), gray-brown in color with white powdery fines. The bedrock encountered was found to be slightly to moderately weathered.

Based on the laboratory test results, the near surface soils have a "Very Low" (0-20) expansion index when tested in accordance with ASTM D 4829. Based on the laboratory test results, the near surface soils have a soluble sulfate content of less than 0.1 percent (ASTM D 4327). The site soils are considered to have a very low potential for hydro-consolidation (settlement upon wetting with or without additional loading). The upper site soils, when recompacted, are anticipated to have fair pavement support capacities. The test results are provided in Appendix B.

4.3 SURFACE AND GROUNDWATER

4.3.1 Surface Water

Surface water was not observed during the site exploration. If encountered during earthwork construction, surface water on this site would likely be the result of precipitation or possibly some minor surface run-off from surrounding areas. Overall site drainage is generally in a southwesterly direction, as directed by site topography. Provisions for surface drainage will need to be accounted for by the project civil engineer.

4.3.2 Groundwater

Groundwater was not encountered in any of the borings excavated onsite to a maximum depth of 51.5 feet below the existing ground surface. Review of a previous geotechnical investigation prepared by Leighton Consulting, Inc. (Project No. 602776-001, dated December 23, 2009, titled "Geotechnical Investigation, Proposed Facilities Operation Center, Norco Campus of Riverside Community College") indicated that the underlying granitic bedrock is generally dense and not considered to be water-bearing. The Riverside County Geologic Hazard Map (2004) shows historically shallowest groundwater levels within the valley floor approximately 0.5 mile west of the site at a depth of about 30 feet below ground surface Lake Norconian, located roughly 1,500 feet north of the site, maintains a surface water elevation of approximately 610 feet above mean sea level (about 30 feet below current site elevations).

Based on the results of GeoTek's field exploration, review of the referenced report, and consideration of regional geomorphology and geology, groundwater is not anticipated to adversely affect the proposed improvements.

4.4 FAULTING AND SEISMICITY

The geologic structure of the entire southern California area is dominated mainly by northwest-trending faults associated with the San Andreas fault system. The site is in a seismically active region. The site is not currently located within a State of California "Alquist-Priolo" Earthquake Fault Zone. The site has not been evaluated by the State of California for liquefaction or seismic induced landslide hazards. The County of Riverside has identified the project site as not in a fault zone or a fault line and in a "high" liquefaction potential and "susceptible" subsidence zone. As previously discussed, historic high groundwater level is estimated to occur at a depth of approximately 30 feet below the existing ground surface.

The nearest active fault to the project site is the Elsinore Fault Zone (Glen Ivy segment), located approximately 6 miles southwest of the site; no known active or potentially active faults are mapped crossing or projecting toward the Norco–Corona area. A Geologic Map and Regional Fault Map are presented as Figures 3 and 4, respectively.

4.4.1 Seismic Design Parameters

The project site is centrally located at approximately 33.9168 degrees Latitude and -117.5691 degrees Longitude (World Geodetic System of 1984). A Ground Motion Hazard Analysis report for the project site was prepared by Terra Geosciences (Terra, 2025) dated November 7, 2025 (Project No. 254169- 1). The purpose of this study was to evaluate the site-specific ground motion parameters to aid in the seismic design for this project, based on the 2025 California Building Code (CBC). This study included performing a seismic shear-wave survey study for determining the Site Classification and V_{100} input values for the seismic design parameter determination. This report is included in Appendix D of this report.

The results of the site-specific seismic ground motion analysis are presented in the following table. More detailed information and analysis are presented in the referenced report dated November 7, 2025.

SITE SEISMIC PARAMETERS	
Mapped 0.2 sec Period Spectral Acceleration, S_S	2.060g
Mapped 1.0 sec Period Spectral Acceleration, S_1	0.650g
5% Damped Design Spectral Response Acceleration Parameter at 0.2 Second, S_{DS}	1.170g
5% Damped Design Spectral Response Acceleration Parameter at 1 second, S_{D1}	0.810g
Maximum Considered Earthquake (MCE_R) Spectral Response Acceleration for 0.2 Second, S_{MS}	1.750g
Maximum Considered Earthquake (MCE_R) Spectral Response Acceleration for 1.0 Second, S_{M1}	1.220g
T_L	8 seconds
MCE_G PGA	0.76g
Shear-Wave Velocity (V_{100})	1,424.2 ft/sec
Risk Category	III
Site Classification	CD

Final selection of the appropriate seismic design coefficients should be made by the project structural engineer based upon the local practices and ordinances, expected building response and desired level of conservatism.

4.5 LIQUEFACTION AND LATERAL SPREAD

Liquefaction describes a phenomenon in which cyclic stresses, produced by earthquake-induced ground motion, create excess pore pressures in relatively cohesionless soils. These soils may acquire a high degree of mobility which can lead to lateral movement, sliding, settlement of loose sediments, sand boils and other damaging deformations. This phenomenon occurs only below the water table, but, after liquefaction has developed, the effects can propagate upward into overlying non-saturated soil as excess pore water dissipates.

The factors known to influence liquefaction potential include soil type and grain size, relative density, groundwater level, confining pressures, and both intensity and duration of ground shaking. In general, materials that are susceptible to liquefaction are loose, saturated granular soils having low fines content under low confining pressures.

Although the historic high groundwater level at the site is estimated to be approximately 30 feet below the ground surface, the subsurface soils are generally dense to very dense, with granitic bedrock present at a depth of about 40 feet below existing site grades. Significant groundwater accumulation is not anticipated within the bedrock. Based on these site conditions, GeoTek considers the potential for liquefaction at the site to be very low.

Due to the subsurface soils encountered, the relatively level site topography, and the very low potential for site liquefaction, lateral spread should not be a consideration in the design of future project site improvements.

4.6 SEISMIC SETTLEMENTS

Due to the relatively dense/hard nature of the subsurface soil and bedrock encountered in the borings, seismic-induced ("dry-sand") settlement is not anticipated to be a design constraint for this project.

4.7 OTHER SEISMIC HAZARDS

Based on the Riverside County Parcel Report, the site is "susceptible" to subsidence. Any subsidence in the area would likely be regional and not adversely affect the subject development specifically.

Evidence of ancient landslides or slope instability at this site was not observed during the field investigation. Thus, the potential for landslides or seismic-induced slope failure for the project site overall is considered negligible.

The potential for secondary seismic hazards such as a seiche or tsunami is considered negligible due to site elevation and distance to an open body of water.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 GENERAL

The anticipated site development appears feasible from a geotechnical viewpoint provided that the following recommendations, and those provided for specific developments at a later date are incorporated into the design and construction phases of development. Site development, grading and foundation plans should be reviewed by GeoTek when they become available so the recommendations contained in this report can be confirmed.

The on-site soils generally exhibit a "Very Low" (0-20) expansion index. Additional expansion index (EI) and soil corrosion potential testing should be conducted at the completion of earthwork operations to verify these soil characteristics.

The upper approximately 14.5 to 20 feet of the artificial fills were found to be compact and have very low potential for hydro-consolidation. These upper fill soils in their current state are suitable for support of structural foundations.

Removal of the existing site improvements and utility lines is anticipated to disturb the upper soils. Following demolition of existing site improvements, remedial grading, consisting of overexcavation and recompaction of the upper site soils, is recommended to provide a uniform bearing for any proposed structure, or pavement/landscaping.

5.2 EARTHWORK CONSIDERATIONS

Earthwork and grading should be performed in accordance with the applicable grading ordinances of the City of Norco, County of Riverside, the 2025 California Building Code (CBC), and recommendations contained in this report. The Grading Guidelines included in Appendix E outline general procedures and do not anticipate all site-specific situations. In the event of conflict, the recommendations presented in the text of this report should supersede those contained in Appendix E.

5.2.1 Site Clearing and Demolition

In areas of planned grading and improvements, the locations of existing utilities should be determined. Existing utilities should be relocated or abandoned. The site should be cleared of existing structures, pavements, slabs, trees, vegetation and other deleterious materials. Demolition of existing buildings/structures should include removal of all shallow foundations, floor slabs and any below-grade construction. Debris should be properly disposed of off-site. Voids resulting from site clearing should be backfilled with engineered fill.

Portland Cement Concrete (PCC) generated from the demolition of existing site improvements may be incorporated into site fills provided the following guidelines are implemented: 1) concrete should be free of rebar or other deleterious materials and should be broken down to a maximum dimension of six (6) inches; 2) concrete should not be placed within three (3) feet of finish grade in the building pad areas or within one (1) foot of subgrade elevations in the street/drive areas; 3) concrete should be distributed in the fill and should not be "nested" or placed in concentrated pockets.

Asphalt concrete (AC) should not be used in fill for building pads or landscape areas. This material may be used in pavement areas of the project or should be removed from the site.

Alternatively, existing PCC concrete, AC and aggregate base may be pulverized and reused as Crushed Miscellaneous Base (CMB) in new pavement sections. These pulverized materials should not contain any detrimental or deleterious materials (reinforcing steel, nails, metal, glass, plastic rubber, wood, organic matter, friable materials, elongated or laminated pieces, etc.). Any materials to be used as CMB should be tested to confirm conformance with appropriate Standard Specifications for Public Works Construction ("Greenbook") specifications (Section 200-2.4).

5.2.2 Site Preparation - Building Areas

Due to the anticipated disturbance of the upper site soils resulting from demolition of the existing structures and improvements, it is recommended that the site soils be removed beneath the planned building footprints to a depth of at least 3 feet below existing grades, or 2 feet below the base of the proposed foundations, whichever is greater. All disturbed soils and any undocumented fill soils shall be removed as part of remedial grading. The lateral extent of this recommended over-excavation should extend at least 5 feet beyond the building limits, where obtainable. Removal bottoms should be relatively uniform in soil type and not adversely porous and having an in-place density of at least 85 percent of the soil's maximum dry density as determined by ASTM D 1557 test procedures. Deeper removals may be required and should be determined during site grading by a GeoTek representative.

Following site clearing operations, over-excavation and lowering of site grades, where necessary, it is recommended that the exposed subgrade soils beneath all surface improvements be proof rolled with a heavy rubber-tired piece of construction equipment approved by and in the presence of the geotechnical engineering representative. All soil that ruts or excessively deflects during proof rolling should be removed as recommended by the GeoTek representative.

Following proof rolling and removal of any unsuitable bearing soil, the exposed subgrade should be scarified to a depth of about 12 inches, be moisture conditioned to at least the soil's optimum moisture content and then be compacted to at least 90 percent of the soil's maximum dry density as determined by ASTM D-1557 test procedures.

5.2.3 Pavement Areas

Undocumented fill should be removed below proposed pavement areas. If no undocumented fill is encountered or is relatively shallow, the natural soils should be overexcavated to a depth of 12 inches below existing grade or 12 inches below proposed finished grade, whichever is deeper. Finished grade is defined as the top of the subgrade. The exposed soils in these areas and in cut areas should be scarified to a depth of approximately eight inches, moistened to slightly above the optimum moisture content and compacted to a minimum relative compaction of at least 90 percent of maximum dry density as determined by ASTM D 1557 test procedures.

5.2.4 Hardscape Areas

Undocumented fill should be removed below hardscape areas. If no undocumented fill is encountered or is relatively shallow, the natural soils should be overexcavated to a depth of 12 inches below existing grade or 12 inches below proposed finished grade, whichever is deeper. The exposed soils in these areas and in cut areas should be scarified to a depth of approximately eight inches, moistened to slightly above the optimum moisture content and compacted to a minimum relative compaction of at least 90 percent of maximum dry density as determined by ASTM D 1557 test procedures.

5.2.5 Preparation of Excavation Bottoms

A representative of the geotechnical consultant should observe the bottom of all excavations. Upon approval, the exposed soils should be scarified to a depth of approximately eight inches, moistened to slightly above the optimum moisture content and compacted to a minimum relative compaction of at least 90 percent of maximum dry density as determined by ASTM D 1557 test procedures.

5.2.6 Engineered Fills

The on-site soils are generally considered suitable for reuse as engineered fill provided they are free from vegetation, debris, asphaltic concrete, oversize material (greater than 6 inches in maximum dimension) and other deleterious material. Engineered fill should be placed in loose lifts with a thickness of 8 inches or less and moisture conditioned to slightly above the optimum moisture content.

Below and within the proposed structure and pavement/hardscape areas, engineered fill should be moisture conditioned to slightly above the optimum moisture content and be compacted to at least 90 percent of maximum dry density as determined by ASTM D 1557 test procedures.

5.2.7 Excavation Characteristics

Excavation of the on-site soils is expected to be feasible utilizing heavy-duty grading equipment in good operating condition. All temporary excavations for grading purposes and installation of underground utilities should be constructed in accordance with local and Cal-OSHA guidelines. Temporary excavations within the on-site materials should be stable at 1:1 (horizontal: vertical) inclinations for cuts less than five feet in height.

5.2.8 Shrinkage and Subsidence

Several factors will impact earthwork balancing on the site, including shrinkage, subsidence, trench spoil from utilities and footing excavations, as well as the accuracy of topography.

Shrinkage and subsidence are primarily dependent upon the degree of compactive effort achieved during construction. For planning purposes, a shrinkage factor of 5 to 10 percent may be considered for the materials requiring removal and/or recompaction. Site balance areas should be available in order to adjust project grades, depending on actual field conditions at the conclusion of earthwork. Subsidence on the order of up to 0.10 foot may be anticipated for the underlying soils.

5.2.9 Import Soils

Import soils should have a "Very Low" (0-20) Expansion Index. GeoTek also recommends that the proposed import soils be tested for expansion and corrosivity potential. GeoTek should be notified a minimum of 72 hours prior to importing so that appropriate sampling and laboratory testing can be performed.

5.3 DESIGN RECOMMENDATIONS

5.3.1 Foundation and Building Slab Design

Foundation design criteria for a conventional foundation system, in general conformance with the 2025 CBC, are presented below. Based on laboratory test results, subsequent to earthwork operations it is anticipated that the near-surface soils will have a "Very Low" (0-20) expansion index.

The conventional foundation elements for the proposed building should bear entirely in compacted engineered fill soils. Foundations should be designed in accordance with the 2025 CBC.

Additional expansion index and soluble sulfate testing of the soils should be performed during construction to evaluate the as-graded conditions. Final recommendations should be based upon the as-graded soils conditions. A summary of the foundation design recommendations is presented in the following table:

DESIGN PARAMETER	"VERY LOW" EXPANSION INDEX
Building Foundation Depth or Minimum Perimeter Beam Depth (inches below lowest adjacent grade)	12 – One- and two-stories 18- Three stories
Minimum Foundation Width (Inches)(1)	12 – One- and two-stories 15- Three stories
Minimum Slab Thickness (actual)	4 inches – actual
Minimum Slab Reinforcing	6" x 6" – W1.4 xW1.4 welded wire fabric or No. 3 bars at 24-inch centers placed in middle of slab
Under Slab Sand and Moisture Retardant Membrane	2 inches of sand(3) overlying moisture vapor retardant membrane (10-mil minimum thickness) overlying 2 inches of sand(3)
Minimum Footing Reinforcement	Two No. 4 reinforcing bars, one placed near the top and one near the bottom of the footing
Minimum Tie Beam Dimensions(4)	12 inches in width and 18 inches in depth
Effective Plasticity Index(2)	N/A
Presaturation of Subgrade Soil (Percent of Optimum)	Minimum of 100 percent of the optimum moisture content to a depth of at least 12 inches prior to placing concrete

(1) Code minimums per Table 1809.7 of the 2025 CBC should be complied with.
(2) Effective Plasticity index should be confirmed via laboratory testing post grading.
(3) Sand should have a minimum Sand Equivalent (SE) of 30.
(4) Final design dimensions to be determined by the structural engineer.

The following criteria for design of foundations are preliminary and should be re-evaluated based on the results additional laboratory testing of samples obtained at/near finish pad grade. It should be noted that the criteria provided are based on soil support characteristics only. The structural engineer should design the slab and foundation reinforcement based on actual loading conditions.

An allowable bearing capacity of 3,000 pounds per square foot (psf) may be used for design of continuous and perimeter footings 18 inches deep and 12 inches wide, and pad footings 24 inches square and 18 inches deep. This bearing capacity includes a minimum factor of safety of 3. This allowable soil bearing capacity may be increased by 400 psf for each additional foot of footing depth and 200 psf for each additional foot of footing width to a maximum value of 4,500 psf. An increase of one-third may be applied when considering short-term live loads (e.g., seismic and wind loads).

The recommended allowable bearing capacity is based on an estimated maximum post-construction settlement of 1-inch. Differential settlement of about one-half of the total settlement over a horizontal distance of 40 feet could result. Seismic-induced settlements are estimated to be minimal. The project structural engineer, foundation engineer and earth retention structure designer should incorporate these settlement estimates into the design, as appropriate.

The passive earth pressure may be computed as an equivalent fluid having an ultimate density of 300 psf per foot of depth, to a maximum earth pressure of 3,600 psf for footings founded on engineered fill. A coefficient of friction between soil and concrete of 0.35 may be used with dead load forces. When combining passive pressure and frictional resistance, the passive pressure component should be reduced by one-third. The upper one foot of soil should be ignored in the passive pressure calculations unless the surface is covered with pavements or concrete.

Based upon review, a modulus of subgrade reaction (E_1) of 150 pci may be used in the design of the structure foundation system. It should be noted that this value is based upon standard one foot plate load tests. Depending upon the design methodology and foundation geometry this value may need to be modified.

A grade beam, a minimum of 12 inches wide and 18 inches deep, should be utilized across large entrances. The base of the grade beam should be at the same elevation as the bottom of the adjoining footings.

5.3.2 Moisture Vapor and Retarding System

A moisture and vapor retarding system should be placed below slabs-on-grade where moisture migration through the slab is undesirable. Guidelines for these are provided in the 2025 California Green Building Standards Code (CALGreen) Section 4.505.2, the 2025 CBC Section 1907.1 and ACI 360R-10. The vapor retarder design and construction should also meet the requirements of ASTM E 1643. A portion of the vapor retarder design should be the implementation of a moisture vapor retardant membrane.

The effectiveness of the vapor retarding membrane can be adversely impacted as a result of construction related punctures. These occurrences should be limited as much as possible during construction. Thicker membranes are generally more resistant to accidental puncture than thinner ones. Products specifically designed for use as moisture/vapor retarders may also be more puncture resistant. Although the CBC specifies a 6-mil vapor retarder membrane, a minimum 10-mil thick membrane with joints properly overlapped and sealed should be considered, unless otherwise specified by the slab design professional. The membrane should consist of Stego wrap or the equivalent.

Moisture and vapor retarding systems are intended to provide a certain level of resistance to vapor and moisture transmission through the concrete, but do not eliminate it. The acceptable level of moisture transmission through the slab is to a large extent based on the type of flooring used and environmental conditions. Ultimately, the vapor retarding system should be comprised of suitable elements to limit migration of water and reduce transmission of water vapor through the slab to acceptable levels. The selected elements should have suitable properties such as thickness, composition, strength, and permeability to achieve the desired performance level. Moisture retarders can reduce, but not eliminate, moisture vapor rise from the underlying soils up through the slab. Moisture retarder systems should be designed and constructed in accordance with applicable American Concrete Institute, Portland Cement Association, Post-Tensioning Concrete Institute, ASTM and California Building Code requirements and guidelines.

GeoTek recommends that a qualified person, such as a flooring contractor, structural engineer, architect, and/or other experts specializing in moisture control within buildings be consulted to evaluate the general and specific moisture and vapor transmission paths and associated potential impact on the proposed construction. That person should provide recommendations related to the slab moisture and vapor retarder systems and for migration of potential adverse impact of moisture vapor transmission on various components of the structures, as deemed appropriate.

In addition, the recommendations in this report and GeoTek's services in general are not intended to address mold prevention, since GeoTek, along with geotechnical consultants in general, do not practice in the area of mold prevention. If specific recommendations addressing potential mold issues are desired, then a professional mold prevention consultant should be contacted.

5.3.3 Miscellaneous Foundation Recommendations

To minimize moisture penetration beneath the slab-on-grade areas, utility trenches should be backfilled with engineered fill, lean concrete or concrete slurry where they intercept the perimeter footing or thickened slab edge.

Soils from the footing excavations should not be placed in the slab-on-grade areas unless properly compacted and tested. The excavations should be free of loose/sloughed materials and be neatly trimmed at the time of concrete placement.

5.3.4 Foundation Setbacks

Minimum setbacks for all foundations should comply with the 2025 CBC, City of Norco or County of Riverside requirements, whichever is more stringent. Improvements not conforming to these setbacks are subject to the increased likelihood of excessive lateral movement and/or differential settlement. If large enough, these movements can compromise the integrity of the improvements.

- The outside top edge of all footings should be set back a minimum of H/3, where H is the slope height, from the face of any descending slope. The setback should be at least five feet and need not exceed 40 feet.
- The bottom of any proposed foundations should be deepened so as to extend below a 1:1 upward projection from the bottom edge of the nearest excavation and the bottom edge of the closest footing.

5.3.5 Soil Corrosivity

Based on the chemical test results presented in Appendix B, the corrosivity test results indicate that the on-site soils are "mildly corrosive" (12,060 to 13,400 ohm-cm) to buried ferrous metal. This corrosion classification is obtained from "Corrosion Basics: An Introduction," by Pierre R. Roberge, 2nd Edition, 2005. Recommendations for protection of buried ferrous metal should be provided by a corrosion engineer.

5.3.6 Soil Sulfate Content

Based on the chemical test results presented in Appendix B, the sulfate test results on two (2) samples obtained from the project site indicate a soluble sulfate content of less than 0.1% by weight. Soluble sulfate contents of this level would be in the range of "negligible" (i.e., "S0" exposure classification) in accordance with ACI 318-19. Based on the test results and Table 19.3.1.1 of ACI 318-19, no special recommendations for concrete are required for this project due to soil sulfate exposure.

5.3.7 Drilled Piers

Drilled piers are a design option for project foundations for this project. Drilled piers utilized as structural foundations for solar canopies, shade structures, light poles, etc. should extend to a minimum depth of at least eight (8) feet below finish grade and be a minimum of 18 inches in diameter. The drilled piers can be designed using an average allowable skin friction value of 400 pounds per square foot. The top foot of embedment depths for the drilled pier foundations should be neglected unless the ground surface is covered by concrete or pavement. This value incorporates a safety factor of 3.0 and may be increased by one-third for temporary wind and/or seismic loading. Alternatively, the drilled pier can be designed using an allowable end-bearing capacity of 8,000 psf. End-bearing and skin friction values cannot be combined.

A representative of the geotechnical engineer should be present during installation to verify the embedment depth. The capacities are based on soil strength considerations, and stresses within the piers may impose more severe limitations. The recommendations are for single-acting piers. If necessary, the capacities for closely spaced piers should be reduced in accordance with the efficiency formula provided below:

$$E = 1 - \frac{\varnothing[(n-1)m+(m-1)n]}{90mn}$$

where:

E = Pier efficiency
Ø = $\tan^{-1}$ (d/s)
d = pier diameter
s = spacing of piers center to center
m = number of rows
n = number of piers in a row

For insertion into the efficiency formula, groups containing three piers should be considered to have two rows and two piers per row.

Groundwater is not anticipated to create issues during site excavation. Predominantly granular soils were encountered on the project site. Appropriate equipment and/or excavation techniques should be utilized on this project. If caving soils are encountered, drilled piers should be provided with temporary steel casing. The temporary casing may be withdrawn as concrete is placed within the drilled pier, keeping a concrete head of at least two feet above the bottom of the casing as it is being removed.

After excavating the drilled piers, the excavations should be observed by the geotechnical consultant of record and concrete placed as quickly as possible to avoid exposure of the foundation sidewalls to wetting and drying. Surface run-off water should be drained away and not be allowed to pond adjacent to the excavations. It is recommended that foundation concrete be placed within 24 hours of the drilled pier excavation being completed.

If it is required that foundation excavations be left open for more than one day, they should be properly covered to prevent personal injury and fall hazards and be protected to reduce evaporation or entry of moisture.

Where drilled piers are to be placed closer than 2.5 diameters center to center, the closely spaced piers should be constructed on different days.

The vertical uplift capacity of the piers due to friction is considered two-thirds (2/3) of the download friction capacity (260 psf), plus the weight of the pier.

Lateral bearing capacity of drilled piers may be computed using any accepted code-allowed "pole" formula. The allowable lateral passive earth pressure for piers may be considered to develop at a rate of 300 pounds per square foot per foot of depth to a maximum value of 3,600 psf. This value may be increased by one-third for wind or seismic loading. However, the allowable passive pressure can be doubled where the piers will not be adversely affected by ½ inch lateral movements at the ground surface. The effective width of the drilled piers can be assumed to be twice the pier diameter for passive resistance calculations.

For piers thus designed and constructed, it is anticipated a maximum settlement of less than one inch will occur.

5.3.8 Soil Corrosivity

Based on the chemical test results presented in Appendix B, the corrosivity test results indicate that the on-site soils are "mildly corrosive" (14,740 ohm-cm) to buried ferrous metal. It is

recommended that a corrosion engineer be consulted to provide recommendations for the protection of buried ferrous metal at this site.

5.4 RETAINING WALL DESIGN AND CONSTRUCTION

5.4.1 General Design Criteria

Recommendations presented in this report apply to typical masonry or concrete vertical retaining walls. These are typical design criteria and are not intended to supersede the design by the structural engineer.

Retaining wall foundations should be embedded a minimum of 18 inches into engineered fill. Retaining wall foundations should be designed in accordance with Section 5.3.1 of this report. Structural needs may govern and should be evaluated by the project structural engineer.

All earth retention structure plans, as applicable, should be reviewed by this office prior to finalization.

Earthwork considerations, site clearing and remedial earthwork for all earth retention structures should meet the requirements of this report, unless specifically provided otherwise, or more stringent requirements or recommendations are made by the designer. The backfill material placement for all earth retention structures should meet the requirement of Section 5.4.3 in this report.

In general, cantilever earth retention structures, which are designed to yield at least 0.001H, where H is equal to the height of the earth retention structure, may be designed using the "active" condition. Rigid earth retention structures (including but not limited to rigid walls, and walls braced at top, such as typical basement walls) should be designed using the "at-rest" condition.

In addition to the design lateral forces due to retained earth, surcharges due to improvements, such as an adjacent building or traffic loading, should be considered in the design of the earth retention structures. Loads applied within a 1:1 (horizontal: vertical) projection from the surcharge on the stem of the earth retention structure should be considered in the design.
Final selection of the appropriate design parameters should be made by the designer of the earth retention structures.

5.4.2 Cantilevered Walls

The recommendations presented below are for typical masonry or concrete cantilevered retaining walls. Active earth pressure may be used for retaining wall design, provided the top of the wall is not restrained from minor deflections. An equivalent fluid pressure approach may be used to compute the horizontal pressure against the wall. Appropriate fluid unit weights are given below for specific slope gradients of the retained material. These do not include other superimposed loading conditions such as traffic, structures, seismic events, or adverse geologic conditions. Native soils are not approved to be used as select backfill due to their expansion index.

ACTIVE EARTH PRESSURES	
Surface Slope of Retained Materials (horizontal: vertical)	Equivalent Fluid Pressure (pcf) Select Backfill*
Level	40
2:1	70

*The design pressures assume the backfill material has an expansion index less than or equal to 20. Backfill zone includes area between back of the wall to a plane (1:1 horizontal: vertical) up from bottom of the wall foundation (on the backside of the wall) to the ground surface.

For walls with a retained height greater than six (6) feet, an incremental seismic pressure should be included in the wall design. Where needed, it is recommended that an incremental seismic load for unrestrained walls with level backfill of $12H^2$ [Units: pounds per lineal foot of wall] should be included into the wall design to account for seismic loading conditions, where H is the retained height of the wall. For unrestrained walls with a retained height greater than six (6) feet with backfill of a 2:1 [horizontal: vertical] gradient, a dynamic load increment of $20H^2$ should be included in the wall design. These incremental seismic loads may be assumed to be applied at a point 1/3H above the base of the wall.

5.4.3 Retaining Wall Backfill and Drainage

Wall backfill should include a minimum one-foot-wide section of ¾- to one-inch clean crushed rock or approved equivalent. The rock should be placed immediately adjacent to the back of the wall and extend up from a backdrain to within approximately 12 inches of finish grade. The portion of the rock opposite the back of the wall adjacent to the soil backfill should be covered with a layer of filter fabric comprised of Mirafi 140N or the equivalent. The upper 12 inches of backfill should consist of compacted on-site soil. Backfill placed within the active zone as defined

by a 1:1 (h:v) projection from the back of the retaining wall footing up to the retained surface behind the wall should consist of "Very Low" expansive soil. The presence of other soils placed within the 1:1 projection will necessitate revision to the parameters provided.

The backfill soil should be placed in lifts no greater than eight inches in thickness, moisture conditioned to at least optimum moisture content and compacted to at least 90 percent of maximum dry density as determined by ASTM D 1557 test procedures. Proper surface drainage needs to be provided and maintained. Water should not be allowed to pond behind retaining walls. Waterproofing of site walls should be performed where moisture migration through the walls is undesirable.

Retaining walls should be provided with an adequate pipe and gravel back drain system to reduce the potential for hydrostatic pressures to develop. A 4-inch diameter perforated collector pipe (Schedule 40 PVC or approved equivalent) in a minimum of one cubic foot per linear foot of ¾-inch or one-inch clean crushed rock or equivalent, wrapped in filter fabric should be placed near the bottom of the backfill and the water should be directed to an appropriate disposal area.

As an alternative to the drain, rock and fabric, a pre-manufactured wall drainage product (example: Mira Drain 6000 or approved equivalent) may be used behind the retaining wall. The wall drainage product should extend from the base of the wall to within two (2) feet of the ground surface. The subdrain should be placed in direct contact with the wall drainage product.

Walls less than two (2) feet in height do not require backdrains. Walls from two to four feet in height may be drained using localized gravel packs (e.g., approximately 1.5 cubic feet of gravel in a woven plastic bag) behind weep holes at 10 feet maximum spacing. Weep holes should be provided or the head joints omitted in the first course of block extended above the ground surface. However, nuisance water may still collect in front of the wall.

Drain outlets should be maintained over the life of the project and should not be obstructed or plugged by adjacent improvements.

5.4.4 Restrained Retaining Walls

Retaining walls that will be restrained at the top that support level backfill or that have reentrant or male corners, should be designed for an equivalent at-rest fluid pressure of 65 pcf, plus any applicable surcharge loading. For areas of male or reentrant corners, the restrained wall design should extend a minimum distance of twice the height of the wall laterally from the corner, or a distance otherwise determined by the project structural engineer.

5.4.5 Other Design Considerations

- Wall design should consider the additional surcharge loads from superjacent slopes and/or footings, where appropriate.
- No backfill should be placed against concrete until minimum design strengths are evident by compression tests of cylinders.
- The retaining wall footing excavations, backcuts, and backfill materials should be approved by the project geotechnical engineer or their authorized representative.
- Positive separations should be provided in garden walls at horizontal distances not exceeding 20 feet.

5.5 PRELIMINARY PAVEMENT DESIGN RECOMMENDATIONS

5.5.1 Asphaltic Concrete Pavement

Preliminary pavement thickness design is based on the CalTrans Highway Design Manual (2020). A Traffic Index (TI) of 5.0 was assumed for parking lots and 5.5 for drive lanes. An R-value of 40 was used. The table below provides the street area/usage, associated with TI and the recommended minimum pavement sections for the subject project.

Street Type	Traffic Index	Asphaltic Concrete (inches)	Aggregate Base (inches)
Parking Lots	5.0	3.5	4.0
Parking Lot Drive Lanes	5.5	4.0	5.0

Once the traffic loading information becomes more defined, revision to the pavement design recommendations may be warranted. It is recommended that the final pavement design be based on R-value testing of the as-graded subgrade soils within the pavement areas.

Traffic Indices (TIs) used in the pavement design for the indicated pavement types should provide a pavement life of approximately 20 years with a normal amount of flexible pavement maintenance. Irrigation adjacent to pavements, without a deep curb or other cutoff to separate landscaping from the paving may result in premature pavement failure. Traffic parameters used for design were selected based upon engineering judgment and not upon information furnished to us such as an equivalent wheel load analysis or a traffic study.

All base material and the upper 12 inches of subgrade should be compacted to at least 95 percent of the material's maximum dry density as determined by ASTM D 1557 test procedures. All materials and methods of construction should conform to the requirements of Riverside County or City of Norco.

5.5.2 Interlocking Concrete Pavers

Interlocking concrete pavers can be used for this project. The pavers are assumed to be approximately 3.2 inches (80 millimeters) in thickness. Concrete pavers should be underlain by 1.0 inch to 1.5 inches of bedding sand overlying four inches of aggregate base founded on compacted subgrade soils. The aggregate base should be compacted to at least 95 percent of maximum dry density as determined by ASTM D 1557 test procedures.

Where possible, the aggregate base should extend beyond the perimeter of the pavers a minimum distance of four inches. The bedding sand should be placed and lightly moistened and compacted. Since this compaction cannot be tested it should be observed by a representative of this firm.

Historically, paver systems have experienced failures in areas where water has degraded the support characteristics of the underlying base and/or subgrade soils. Since paver systems are permeable and allow transmission of water into the underlying materials, it may be prudent to discuss with the paver designer/manufacturer what methods may be employed to address the issue of potential water introduction into the underlying materials. Underdrain systems, local subgrade reinforcement, or additional structural elements such as geotextiles can be considered, particularly in high traffic areas and/or low areas where water will tend to collect. The recommendations of the designer/manufacturer should then be implemented into the design and construction of the paver system.

5.5.3 Portland Cement Concrete (PCC) Pavement

For the proposed pedestrian concrete pavement sections, it is recommended that a minimum of 5.0 inches of PCC pavement over 12 inches subgrade compacted to at least 95 percent of maximum dry density as determined by ASTM D 1557 test procedures and moisture conditioned to at least two percent above the optimum moisture content be utilized. For truck delivery lanes, it is recommended that a minimum of six inches of PCC pavement over 12 inches subgrade compacted to at least 95 percent of maximum dry density and moisture conditioned to at least two percent above the optimum moisture content be utilized. This section should also be used in heavy truck traffic areas such as fire lanes, trash dumpster pads and approaches.

Requirements of Section 90 of Caltrans Standard Specifications, and various ACI and ASTM standards regarding mixing and placing concrete should be followed. The PCC pavement should have a minimum modulus of rupture of 500 pounds per square inch, and a minimum 28-day compressive strength of 4,000 pounds per square inch. Concrete should incorporate 1-inch maximum size aggregate and should be proportioned to achieve a maximum slump of four inches.

Instead of increasing the water content, a plasticizing admixture may be utilized to increase the workability of the concrete. The concrete should be properly cured after placement. Concrete should not be placed during hot and windy weather.

Crack control joints should be provided in the transverse direction spaced at horizontal intervals ranging from 24 to 36 times the thickness of the concrete.

5.5.4 Pavement Construction

All pavement installation, including preparation and compaction of subgrade and base material, placement and rolling of asphaltic concrete and placement of concrete pavement, should be done in accordance with the City of Norco or County of Riverside guidelines, and under the observation and testing of GeoTek and a City/County inspector, where required.

Deleterious material, excessive wet or dry pockets, oversized rock fragments, and other unsuitable yielding materials encountered during grading should be removed. Once existing compacted fill are brought to the proposed pavement subgrade elevations, the subgrade should be proof rolled in order to check for a uniform and unyielding surface. The upper 12 inches of pavement subgrade soils should be scarified, moisture conditioned to two percent above the optimum moisture content, and recompacted to at least 95 percent of the maximum dry density as determined by ASTM D1557 test procedures. If loose or yielding materials are encountered during construction, additional evaluation of these areas should be carried out by GeoTek. All pavement section changes should be properly transitioned.

All base material and the upper 12 inches of subgrade should be compacted to at least 95 percent of the material's maximum dry density as determined by ASTM D 1557 test procedures. All materials and methods of construction should conform to the requirements of Riverside County.

Asphalt concrete and aggregate base should conform to current Caltrans Standard Specifications Section 39 and 26-1.02, respectively. As an alternative, asphalt concrete can conform to Section 203-6 of the current Standard Specifications for Public Work (Green Book). Crushed aggregate base or crushed miscellaneous base can conform to Section 200-2.2 and 200-2.4 of the Green

Book, respectively. The pavement base should be compacted to at least 95 percent of the ASTM D1557 laboratory maximum dry density (modified proctor).

All pavement installation, including preparation and compaction of subgrade, compaction of base material, placement and rolling of asphaltic concrete, should be done in accordance with Riverside County specifications, and under the observation and testing of GeoTek and a County/City Inspector where required. Jurisdictional minimum compaction requirements in excess of the aforementioned minimums may govern.

5.6 CONCRETE FLATWORK

5.6.1 Exterior Concrete Slabs, Sidewalks and Driveways

Exterior concrete slabs, sidewalks and driveways should be designed using a four-inch minimum thickness. Some shrinkage and cracking of the concrete should be anticipated as a result of typical mix designs and curing practices utilized in construction.

Sidewalks may be under the jurisdiction of the governing agency. If so, jurisdictional design and construction criteria will apply, if more restrictively than the recommendations presented in this report.

Subgrade soils should be pre-moistened prior to placing concrete. For very low expansive soils, the subgrade soils below exterior slabs and sidewalks should be pre-saturated to a minimum of 100 percent of the optimum moisture content to a depth of 12 inches.

All concrete installation, including preparation and compaction of subgrade, should be done in accordance with the City Norco and County of Riverside specifications, and under the observation and testing of GeoTek and a City or County inspector, if necessary.

5.6.2 Concrete Performance

Concrete cracks should be expected. These cracks can vary from sizes that are hairline to more than 1/8 inch in width. Most cracks in concrete, while unsightly, do not significantly impact long-term performance. While it is possible to take measures (proper concrete mix, placement, curing, control joints, etc.) to reduce the extent and size of cracks that occur, some cracking will occur despite the best efforts to minimize it. Concrete undergoes chemical processes that are dependent on a wide range of variables which are difficult, at best, to control. Concrete, while seemingly stable material, is subject to internal expansion and contraction due to external changes over time.

One of the simplest means to control cracking is to provide weakened control joints for cracking to occur along. These do not prevent cracks from developing; they simply provide a relief point for the stresses that develop. These joints are a widely accepted means to control cracks but are not always effective. Control joints are more effective the more closely spaced they are. GeoTek suggests that control joints be placed in two directions and located a distance apart approximately equal to 24 to 36 times the slab thickness.

5.7 POST CONSTRUCTION CONSIDERATIONS

5.7.1 Landscape Maintenance and Planting

Water has been shown to weaken the inherent strength of soil, and slope stability is significantly reduced by overly wet conditions. Positive surface drainage away from graded slopes should be maintained and only the amount of irrigation necessary to sustain plant life should be provided for planted slopes. Controlling surface drainage and runoff and maintaining a suitable vegetation cover can minimize erosion. Plants selected for landscaping should be lightweight, deep-rooted types that require little water and are capable of surviving the prevailing climate.

Overwatering should be avoided. An abatement program to control ground-burrowing rodents should be implemented and maintained. Burrowing rodents can decrease the long-term performance of slopes.

It is common for planting to be placed adjacent to structures in planter or lawn areas. This will result in the introduction of water into the ground adjacent to the foundations. This type of landscaping should be avoided.

5.7.2 Drainage

Positive site drainage should be maintained at all times. Drainage should not flow uncontrolled down any descending slope. Water should be directed away from foundations and not allowed to pond or seep into the ground adjacent to the footings and floor-slabs. Pad drainage should be directed toward approved areas and not be blocked by other improvements.

Roof gutters should be installed that will direct the collected water at least 20 feet from the buildings.

5.8 PLAN REVIEW AND CONSTRUCTION OBSERVATIONS

It is recommended that specifications and foundation and grading plans be reviewed by GeoTek prior to construction to check for conformance with the recommendations of this report. It is also recommended that GeoTek representatives be present during site grading and foundation construction to observe and document proper implementation of the geotechnical recommendations. The owner/developer should verify that GeoTek representatives perform at least the following duties:

- Observe site clearing and grubbing operations for proper removal of unsuitable materials.
- Observe and test bottom of removals prior to fill placement.
- Evaluate the suitability of on-site and import materials for fill placement and collect soil samples for laboratory testing where necessary.
- Observe the fill for uniformity during placement, including utility trench backfill. Perform field density testing of the fill materials.
- Observe and probe foundation excavations to confirm suitability of bearing materials with respect to density.

If requested, a construction observation and compaction report can be provided by GeoTek which can comply with the requirements of the governmental agencies having jurisdiction over the project. It is recommended that these agencies be notified prior to commencement of construction so that necessary grading permits can be obtained.

6. INTENT

It is the intent of this report to aid in the design and construction of the proposed development. Implementation of the advice presented in this report is intended to reduce risk associated with construction projects. The professional opinions and geotechnical advice contained in this report are not intended to imply total performance of the project or guarantee that unusual or variable conditions will not be discovered during or after construction.

The scope of this evaluation is limited to the boundaries of the subject property. This review does not and should in no way be construed to encompass any areas beyond the specific area of the proposed construction as indicated to us by the client. Further, no evaluation of any existing site improvements is included. The scope of this evaluation is based on GeoTek's understanding

of the project and geotechnical engineering standards normally used on similar projects in this locality.

7. LIMITATIONS

GeoTek's findings are based on site conditions observed and the stated sources. Thus, GeoTek's comments are professional opinions that are limited to the extent of the available data.

GeoTek has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the engineering and science professions currently practicing under similar conditions in the jurisdiction in which the services are provided, subject to the time limits and physical constraints applicable to this report.

Since GeoTek's recommendations are based on the site conditions observed and encountered, and laboratory testing, GeoTek's conclusions and recommendations are professional opinions that are limited to the extent of the available data. Observations during construction are important to allow for any change in recommendations found to be warranted. These opinions have been derived in accordance with current standards of practice, and no warranty of any kind is expressed or implied. Standards of care/practice are subject to change with time.

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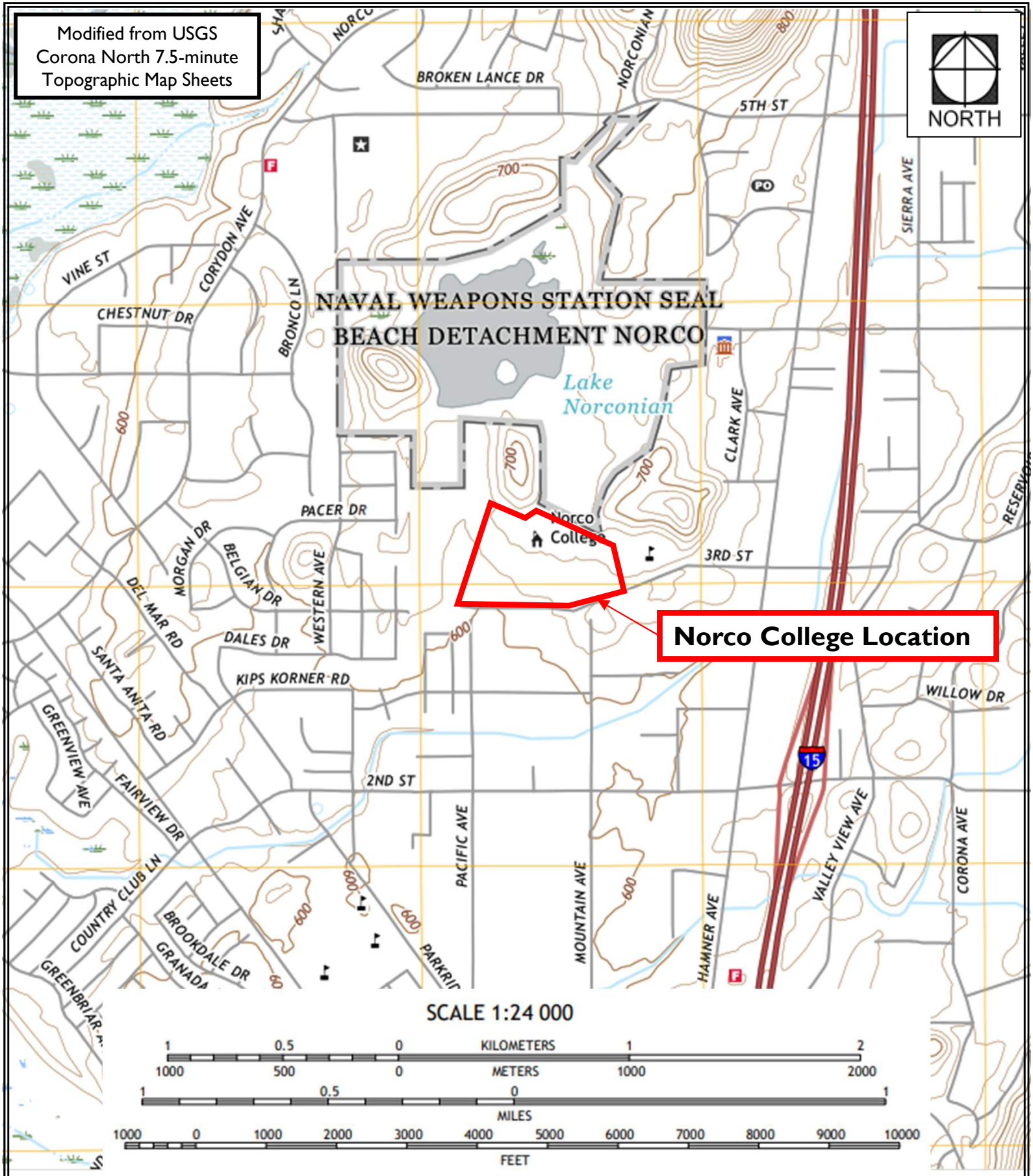


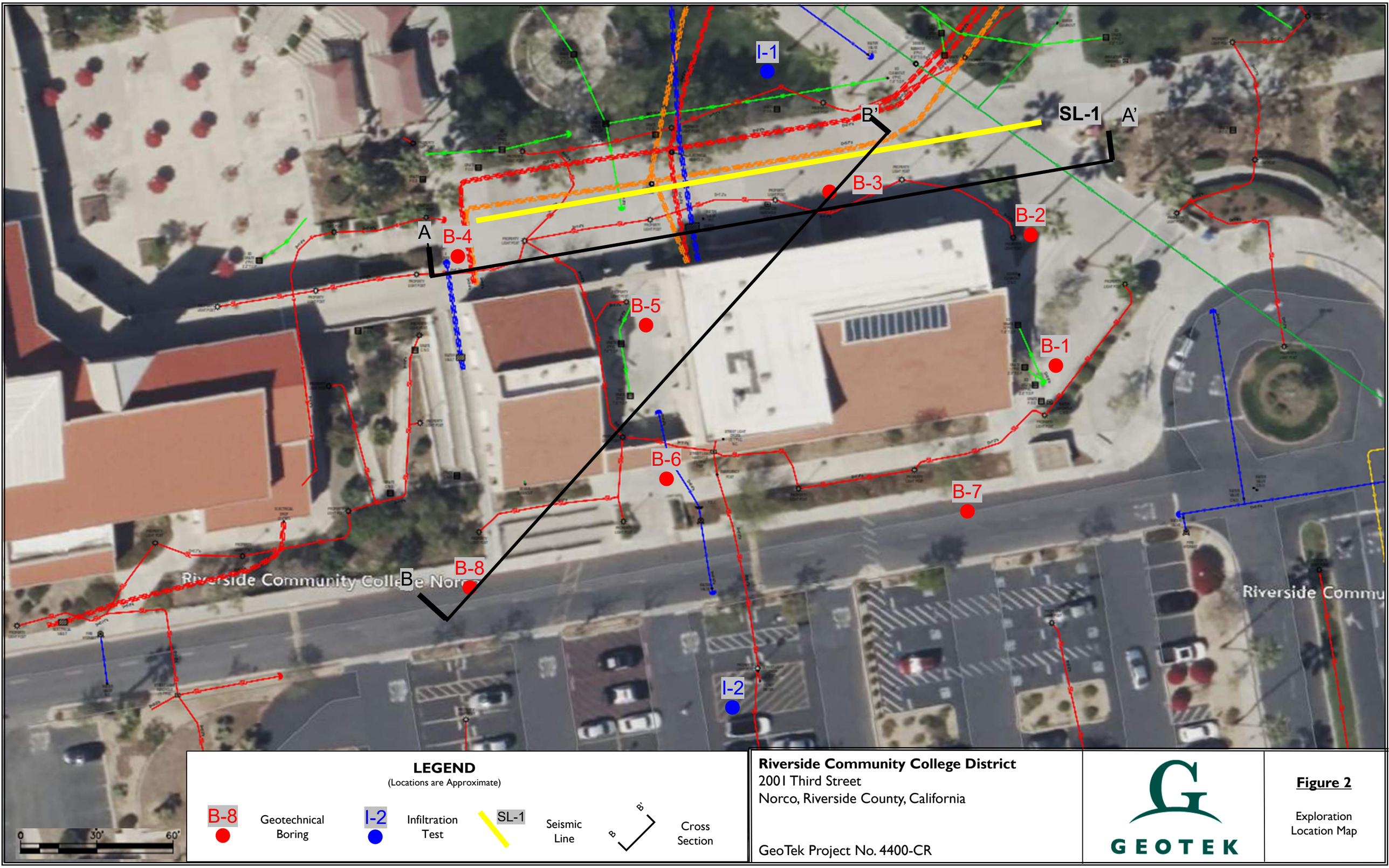
Riverside Community College District
2001 Third Street
Norco, Riverside County, California

GeoTek Project No. 4400-CR

Figure 1

Site Location Map

GEOTEK



LEGEND
(Locations are Approximate)

B-8 Geotechnical Boring

I-2 Infiltration Test

SL-1 Seismic Line

B' / B Cross Section

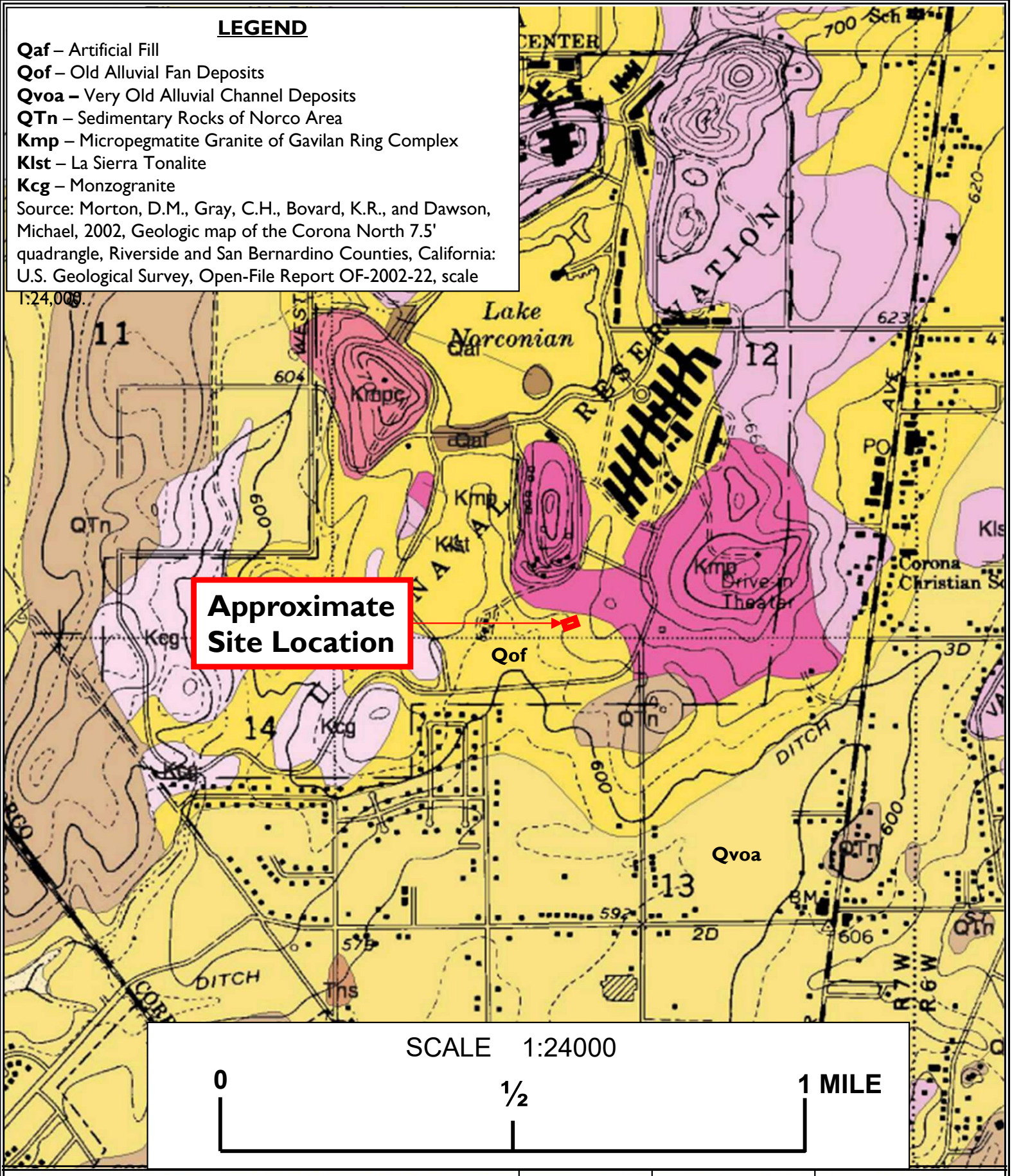
Riverside Community College District
2001 Third Street
Norco, Riverside County, California

GeoTek Project No. 4400-CR

GEOTEK

Figure 2

Exploration Location Map



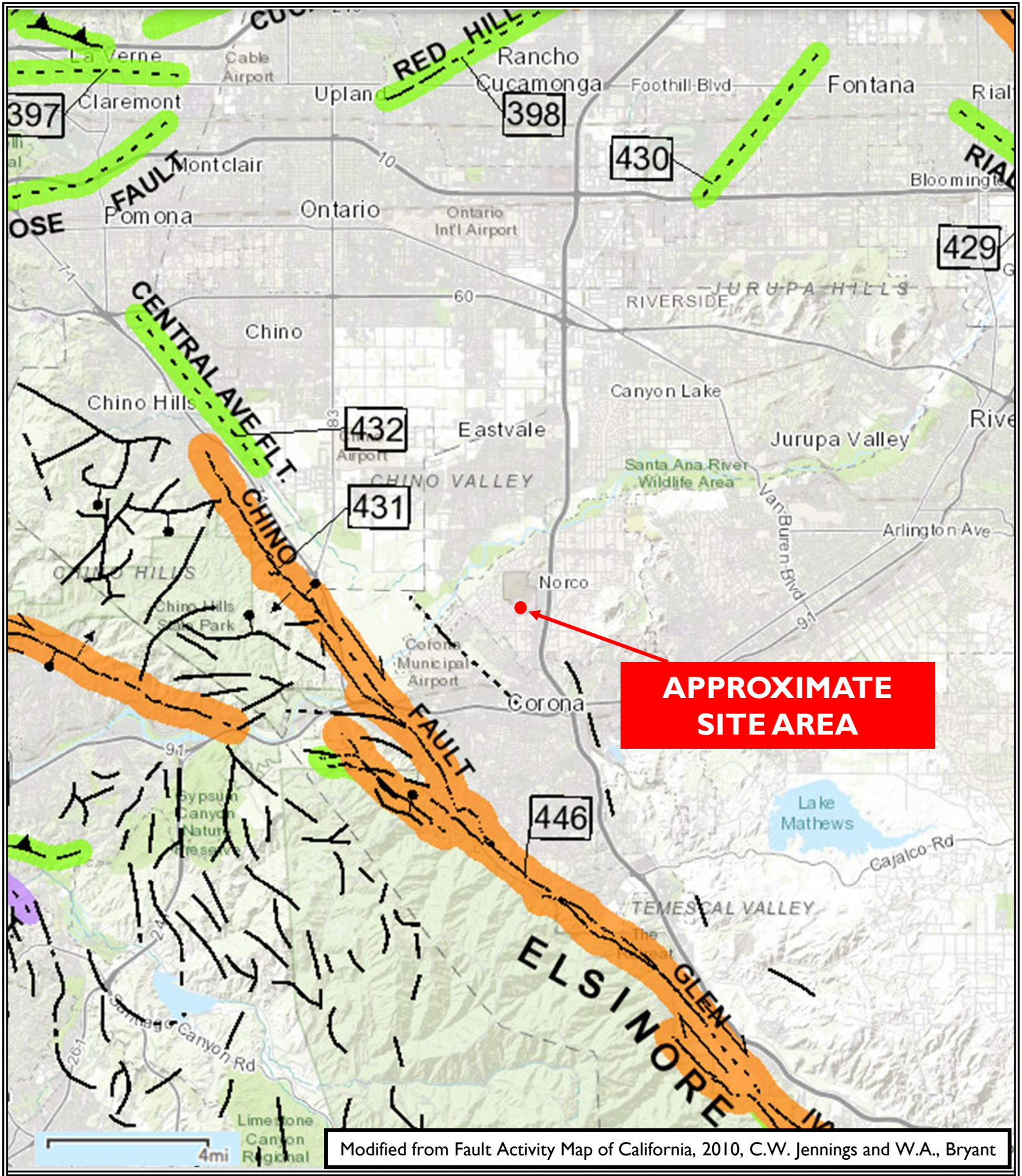
Riverside Community College District
2001 Third Street
Norco, Riverside County, California

Project No. 4400-CR

Figure 3

Geologic Map

GEOTEK



Modified from Fault Activity Map of California, 2010, C.W. Jennings and W.A., Bryant

Riverside Community College District
2001 Third Street
Norco, Riverside County, California

Project No. 4400-CR

NORTH

Figure 4

Regional Fault Map

GEOTEK

Riverside Community College District
2001 Third Street
Norco, Riverside County, California

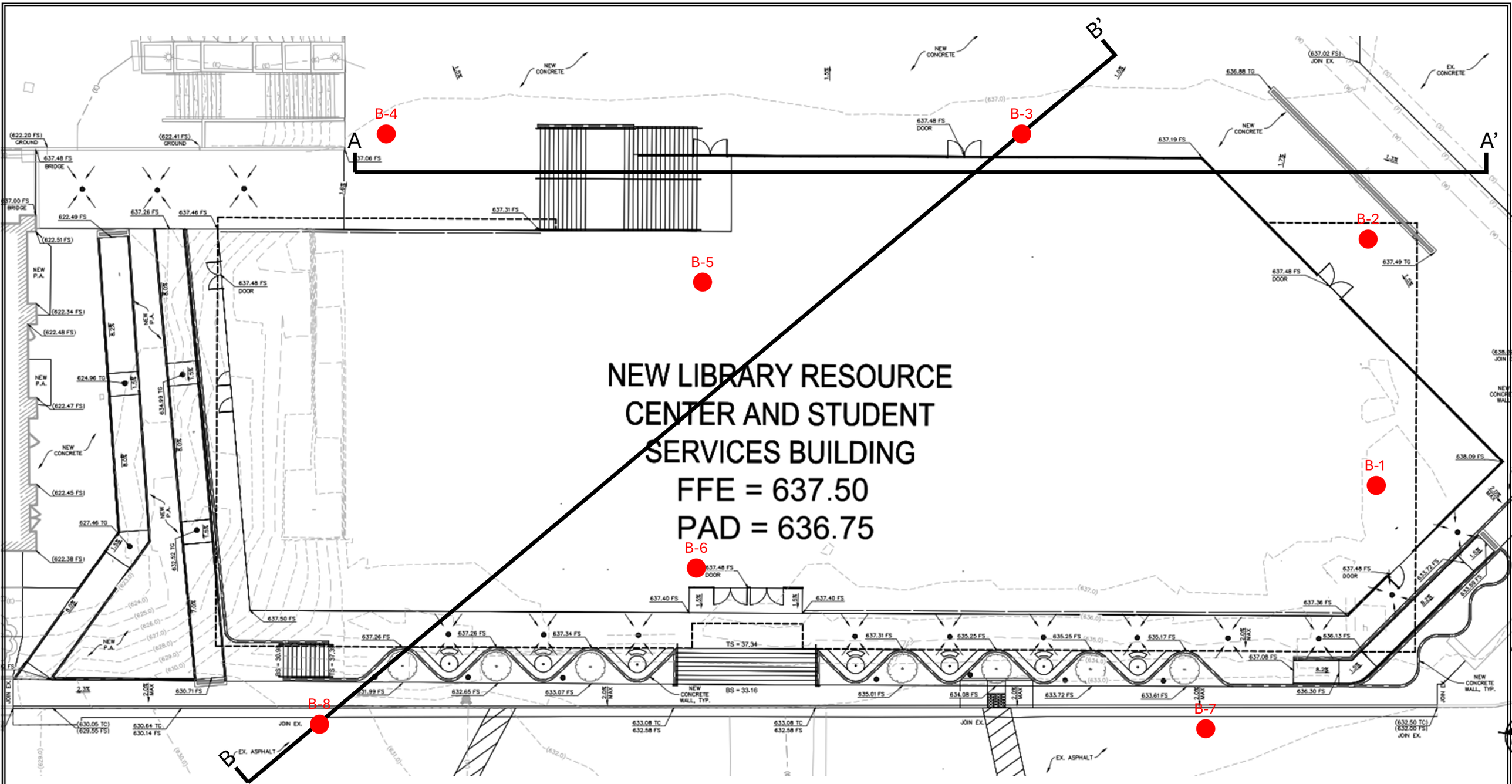
Project No. 4400-CR

NORTH

Figure 5

Site Vicinity Map

GEOTEK



LEGEND
(Locations are Approximate)

B-8 Hollow-stem Boring Location

B B' Cross Section

Riverside Community College District
2001 Third Street
Norco, Riverside County, California

GeoTek Project No. 4400-CR

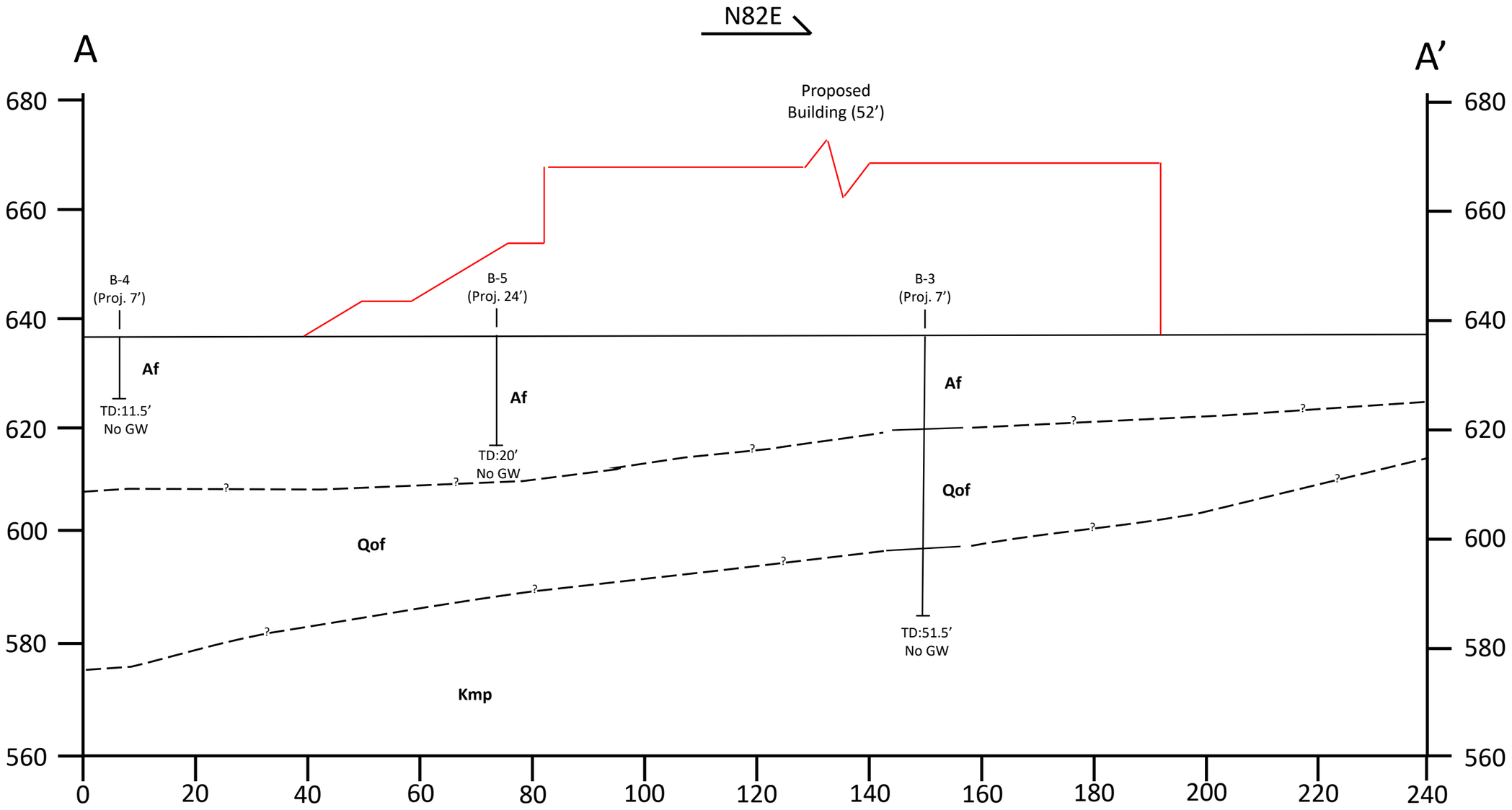
GEOTEK

Plate 1

Cross Section Location Map

LEGEND

Af Artificial Fill | **Qof** Older Alluvium | **Kmp** Granitic Bedrock | Existing Ground | Proposed Building | Geologic Contact (Dashed where inferred)



Riverside Community College District
2001 Third Street
Norco, Riverside County, California

GeoTek Project No. 4400-CR

SCALE: 1:20

0 feet 20 feet

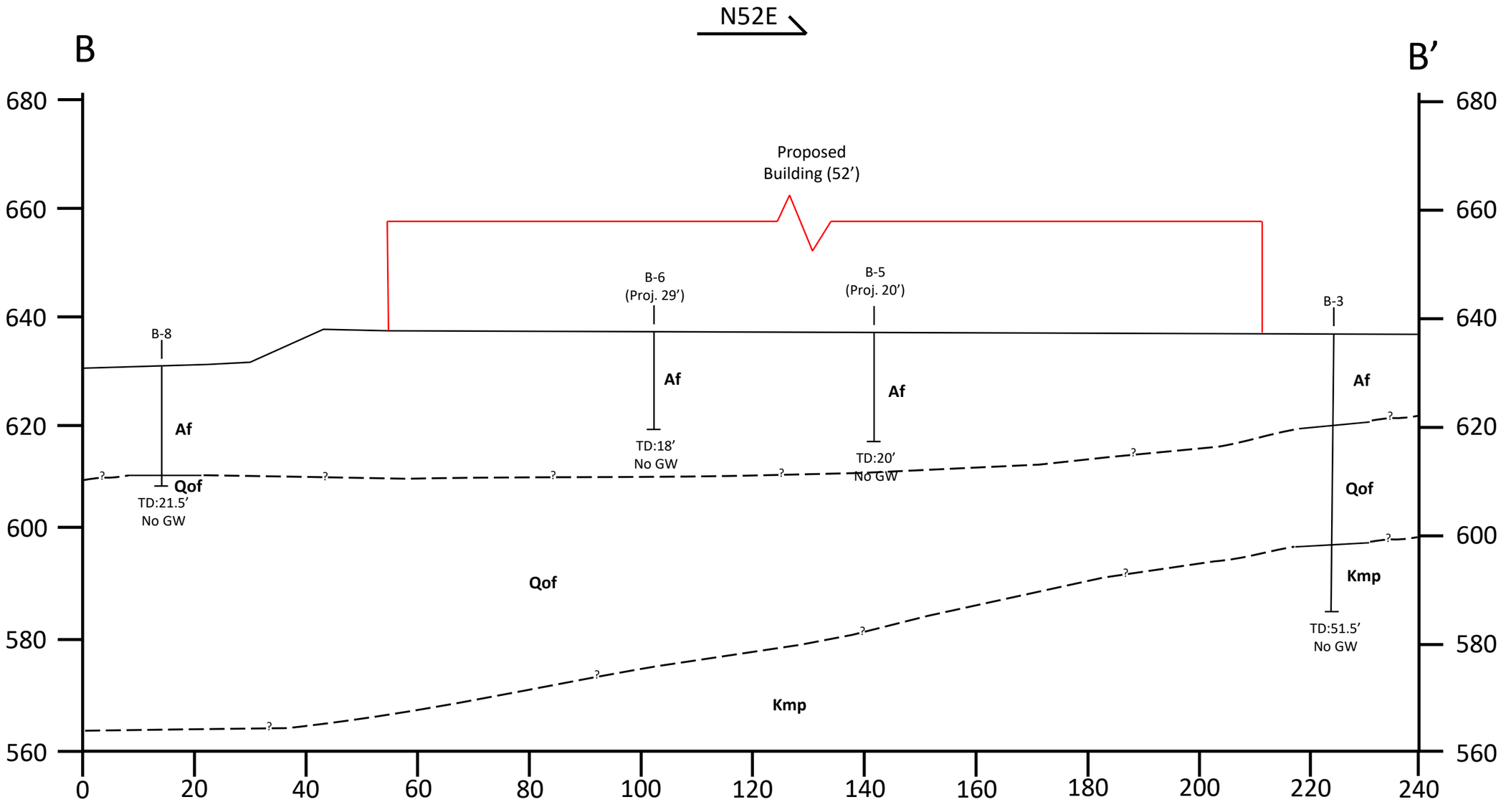
Plate 2A

Cross Section A-A'

GEOTEK

LEGEND

Af Artificial Fill | **Qof** Older Alluvium | **Kmp** Granitic Bedrock | Existing Ground | Proposed Building | Geologic Contact (Dashed where inferred)



Riverside Community College District
2001 Third Street
Norco, Riverside County, California

GeoTek Project No. 4400-CR

SCALE: 1:20

0 feet 20 feet

Plate 2B

Cross Section B-B’

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APPENDIX A

LOGS OF EXPLORATORY BORINGS

Proposed Library Learning Resource Center and Student Services Building
Norco College
Norco, Riverside County, California
Project No. 4400-CR

GEOTEK

A - FIELD TESTING AND SAMPLING PROCEDURES

The Modified Split-Barrel Sampler (Ring)

The Ring sampler is driven into the ground at various depths in accordance with ASTM D 3550 test procedures. The sampler, with an external diameter of 3.0 inches, is lined with 1-inch long, thin brass rings with inside diameters of approximately 2.4 inches. The sampler is typically driven into the ground 12 or 18 inches with a 140-pound hammer free falling from a height of 30 inches. Blow counts are recorded for every 6 inches of penetration as indicated on the log of boring. The samples are removed from the sample barrel in the brass rings, sealed, and transported to the laboratory for testing.

The Standard Penetration Test (SPT) Sampler

Standard penetration tests (SPT) were performed with a 2.0-inch outside diameter, 1.5-inch inside diameter, and split-barrel sampler. The sampler was 18 inches long. The inside diameter of the sampler shoe was 1.4 inches. The sampler was unlined. The sampler conformed to the requirements of ASTM D 1586. A 140-pound automatic trip hammer was utilized, dropping 30 inches for each blow. Blow counts are recorded for every 6 inches of penetration as indicated on the log of boring. Disturbed samples are removed from the sample barrel, sealed in a plastic bag, and transported to the laboratory for testing.

Bulk Samples (Large)

These samples are normally large bags of earth materials over 20 pounds in weight collected from the field by means of hand digging or exploratory cuttings.

Bulk Samples (Small)

These are plastic bag samples which are normally airtight and contain less than 5 pounds in weight of earth materials collected from the field by means of hand digging or exploratory cuttings. These samples are primarily used for determining natural moisture content and classification indices.

B – BORING/TRENCH LOG LEGEND

The following abbreviations and symbols often appear in the classification and description of soil and rock on the logs of borings/trenches:

SOILS

USCS	Unified Soil Classification System
f-c	Fine to coarse
f-m	Fine to medium

GEOLOGIC

B: Attitudes	Bedding: strike/dip
J: Attitudes	Joint: strike/dip
C: Contact line	
……..	Dashed line denotes USCS material change
———	Solid Line denotes unit / formational change
———	Thick solid line denotes end of boring/trench

(Additional denotations and symbols are provided on the log of borings/trenches)

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Carlos
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Truck Rig (CME-75)
LOCATION:	See Boring Location Map			**DATE:**	10/31/2025

Boring No.: I-1

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**Artificial Fill (Af):**			
	Ring	10 24 36		SM	Silty F-m SAND, light brown, moist, dense	14.6	114.7	
5	Ring	17 31 42		SP	F-SAND, light brown, moist, dense, trace silts	8.5	123.5	
	Ring	16 26 32		SC	Clayey F-c SAND, olive-gray brown, moist, dense, trace gravel			
10					**BORING TERMINATED AT 10.0 FEET** No groundwater encountered Set pipe, sock, and gravel			
15								
20								
25								
30								

LEGEND

Sample type: ---Ring; ---SPT; ---Small Bulk; ---Large Bulk; ---No Recovery; ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Victor Z.
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Track Rig (GT-16)
LOCATION:	See Boring Location Map			**DATE:**	10/24/2025

Boring No.: I-2

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**4" Asphaltic Concrete Over 6" Crushed Miscellaneous Base**			
					Artificial Fill (Af):			
	■	10 8 12		SM	Silty F-c SAND, light brown, moist, medium dense, few gravels	10.5	120.4	
5	■	20 34 50/5		SP	F-c SAND, gray-brown, moist, very dense, few gravels and silts	3.5	132.5	
	■	20		SC	Clayey F-c SAND, gray-brown, very moist, very dense			
	■	50/6		SP	F-c SAND, gray-brown, slightly moist, very dense			
10					**BORING TERMINATED AT 10.0 FEET**			
					No groundwater encountered Set pipe, sock, and gravel			
15								
20								
25								
30								

LEGEND

Sample type: ■ ---Ring ▮ ---SPT ⧸ ---Small Bulk ☒ ---Large Bulk □ ---No Recovery ▽ ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Carlos
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Truck Rig (CME-75)
LOCATION:	See Boring Location Map			**DATE:**	10/31/2025

Boring No.: B-1

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**6" Concrete**			
					Artificial Fill (Af):			
		17		SM	Silty F-m SAND, brown, moist, very dense	3.6	119.9	MD, SH
		39						Expansion Index=0
		44				7.1	120.2	
		19		SP	F-m SAND, gray-brown, moist, very dense, few silts			
		50/5.5				10.1	118.3	
5		24		SM	Silty F-SAND, brown with olive tint, moist, very dense			
		40						
		50/5				11.3	126.1	
		20		SC	Clayey F-c SAND, gray-brown, very moist, dense			
		22						
		25				12.7	123.4	
		12		SC	Clayey F-c SAND, light brown, moist, dense			
10		25		CL	F-c Sandy CLAY, gray brown, very moist, hard			
		21						
		7			Becomes olive-gray brown, moist, stiff			
		7						
15		10						
					Older Alluvium (Qof):	6.9	122.7	
		14		SM	Silty F-m SAND, red brown, moist, medium dense			
		17						
20		19						
					BORING TERMINATED AT 20.0 FEET			
					No groundwater encountered			
					Boring backfilled with grout			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Carlos
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Truck Rig (CME-75)
LOCATION:	See Boring Location Map			**DATE:**	10/31/2025

Boring No.: B-2

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**Artificial Fill (Af):**			
	■	13 17 31		SM	Silty F-m SAND, brown, slightly moist, dense	4.7	114.1	
	■	19 34 50/5.5			Becomes moist and very dense	7.1	120.9	
5	■	19 34 35			Becomes brown with olive tint and dense	9.6	119.2	
	■	12 19 23		SC	Clayey F-c SAND, olive-gray brown, moist, medium dense	11.1	125.3	
10	■	12 14 12		CL	F-c Sandy CLAY. red-brown to olive-brown, very moist, very stiff	8.9	121.8	
15	■	9 11 12			Becomes red-brown	14.5	114.7	
20	■	17 21 32			Becomes hard			
25					**BORING TERMINATED AT 21.5 FEET** No groundwater encountered Boring backfilled with grout			
30								

LEGEND

Sample type: ■ ---Ring ■ ---SPT ⁄ ---Small Bulk ☒ ---Large Bulk □ ---No Recovery ▽ ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Carlos
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Truck Rig (CME-75)
LOCATION:	See Boring Location Map			**DATE:**	10/31/2025

Boring No.: B-3

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**5" Concrete with Rebar**			
					Artificial Fill (Af):	7.6	118.9	
		6 28 32		SM	Silty F-m SAND, brown, moist, dense			SR
		16 32 41			Becomes olive-gray brown	10.2 10.3	123.3 114.7	
5		19 25 31		SC	Clayey F-c SAND, gray-brown, moist, dense			
		18 41 32			Becomes very moist and trace gravel	6.7 12.1	129.4 124.2	SH
10		7 9 13		CL	F-c Sandy CLAY, olive-gray brown, moist, stiff to very stiff			
15		8 18 22		SC	Clayey F-c SAND, brown with red tint, moist, medium dense			
					Older Alluvium (Qof):	7.4	124.6	
20		20 24 21		SM	Silty F-SAND, brown, moist, dense			
25		5 20 20				11.2		
30		10 19 25		SM	Silty F-c SAND, brown, moist, dense			

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Carlos
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Truck Rig (CME-75)
COORDINATES:	See Boring Location Map			**DATE:**	10/31/2025

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	**Boring No.: B-3 (continued)** / MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
					Older Alluvium (Qof):			
						23.3		
35		12 16 44		SP	F-c SAND, gray-brown, slightly moist, very dense			
40		50/4			**Granitic Bedrock (Kmp):** Excavates as F-c SAND, gray-brown with white powder, slightly moist, very dense slightly to moderate weathered			
45		50/4.5				3.9		
50		50/6				4.3		
					BORING TERMINATED AT 51.5 FEET Boring backfilled with grout No groundwater encountered			
55								
60								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C = Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Victor Z.
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Track Rig (GT-16)
LOCATION:	See Boring Location Map			**DATE:**	10/24/2025

Boring No.: B-4

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**6" Concrete**			
					Artificial Fill (Af):			
	■	22 36 38		SP	F-SAND, light brown, slightly moist, dense	9.2	114.6	
	■	31 38 50/6			Becomes gray-brown, very dense, trace gravel	10.7 12.7	121.6 128.5	
5	■	16 16 30		SC	Clayey F-c SAND, gray to light brown, moist, dense, trace gravels	13.2	119.9	
	■	20 20 15			Becomes olive to gray-brown, medium dense, no trace gravels	9.3	123.3	
10	■	12 17 18						
					BORING TERMINATED AT 11.5 FEET			
					No groundwater encountered Boring backfilled with grout			
15								
20								
25								
30								

LEGEND

Sample type: ■ ---Ring ▮ ---SPT ⧸ ---Small Bulk ☒ ---Large Bulk □ ---No Recovery ▽ ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Victor Z.
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Track Rig (GT-16)
LOCATION:	See Boring Location Map			**DATE:**	10/24/2025

Boring No.: B-5

Depth (ft)	Sample Type	Blows/ 6 in	Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Water Content (%)	Dry Density (pcf)	Others
0					**6" Concrete**			
					Artificial Fill (Af):	5.4	117.6	
		8						
		15		SP	F-m SAND, light brown, slightly moist, medium dense			MD, SH
		13						Expansion Index=1
						7.5	115.1	
		7						
		5						
		8						
5						14.5	120.7	
		5		SP	F-SAND, gray-brown, very moist, medium dense			
		8						
		10						
						7.2	122.2	
		14		SC	Clayey F-c SAND, gray to light brown, moist, medium dense			
		16						
		12						
						11.7	117.4	Collapse
		50/6			Becomes very dense			
10								
						10.3	125.6	
		6			Becomes reddish to gray-brown, medium dense			
		6						
15		21						
						12.1	121.4	
		9			Becomes olive to gray-brown			
		17						
20		22						
					BORING TERMINATED AT 20.0 FEET			
					No groundwater encountered			
					Boring backfilled with grout			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Victor Z.
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Track Rig (GT-16)
LOCATION:	See Boring Location Map			**DATE:**	10/24/2025

Boring No.: B-6

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**6" Concrete**			
					Artificial Fill (Af):			
						3.3	106.4	
		8		SP	F-c SAND, light brown, slightly moist, loose, trace gravel			
		5						
		4						
						5.4	106.5	
		8						
5		4						
		8						
						5.7	122.5	
		12			Becomes reddish olive-brown, moist, medium dense, trace clay			
		20						
		22						
						9.9	128.1	
		20		SM	Silty F-c SAND, dark brown, very moist, dense, trace clay and gravel			
		35						
		35						
						10.3	129.6	
10		14		SC	Clayey F-c SAND, olive-brown, moist, medium dense, trace gravel			
		20						
		24						
15		5						
		9						
		18				14.9		
		5		SC	Clayey F-c SAND, olive-brown, moist, medium dense			
		7						
		10						
					BORING TERMINATED AT 18.0 FEET			
20					No groundwater encountered Boring backfilled with grout			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Carlos
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Truck Rig (CME-75)
LOCATION:	See Boring Location Map			**DATE:**	10/31/2025

Boring No.: B-7

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**4" Asphaltic Concrete Over 5" Crushed Miscellaneous Base**			
					Artificial Fill (Af):			
						8.6	125.5	
		14		SM	Silty F-m SAND, dark brown, moist, medium dense			
		21						
		22						
						15.4	115.1	
		9		SM	Silty F-SAND, gray-brown, very moist, medium dense			
5		12						
		17						
						15.7	118.7	Collapse
		8		SC	Clayey F-c SAND, olive gray-brown, moist, medium dense			
		9						
		18						
						12.1	124.0	
		9			Becomes gray-brown to red-brown			
		11						
		21						
						14.2	119	
10		13		CL	F-c sandy CLAY, red brown with olive tint, moist, very stiff			
		17						
		19						
15					**Older Alluvium (Qof):**	8.5	124.1	
		17		SP	F-m SAND, olive-gray, moist very dense, few silts			
		35						
		45						
					BORING TERMINATED AT 16.5 FEET			
					No groundwater encountered			
					Boring backfilled with grout			
20								
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	RCCD	**DRILLER:**	2R Drilling	**LOGGED BY:**	LN
PROJECT NAME:	Norco College	**DRILL METHOD:**	Hollow Stem	**OPERATOR:**	Victor Z.
PROJECT NO.:	4400-CR	**HAMMER:**	140#/30"	**RIG TYPE:**	Track Rig (GT-16)
LOCATION:	See Boring Location Map			**DATE:**	10/24/2025

Boring No.: B-8

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
0					**5" Asphaltic Concrete Over 4" Crushed Miscellaneous Base**			
					Artificial Fill (Af):			
		20 40 21		SM	Silty F-SAND, brown with grayish tint, very moist, dense, trace gravel	7.3	117.8	SR
		30 34 38		SM	Silty F-m SAND, dark brown with grayish tint, moist, dense, few gravel	9.6	121.2	
5						12.9	114.6	
		13 14 18		SC	Clayey F-m SAND, gray-brown, very moist, medium dense			
		8 14 30			Becomes reddish gray-brown, trace gravel	9.4	125.1	
10		14 21 30			Becomes dense, trace organics, no gravel			
15		20 20 31			trace gravel	10.4	126	
20		18 32 50/6		SP	**Older Alluvium (Qof):** F-m SAND, gray-brown, moist, very dense	6.6	124.2	
					BORING TERMINATED AT 21.5 FEET			
					No groundwater encountered Boring backfilled with grout			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; C= Collapse; MD = Maximum Density

APPENDIX B

LABORATORY TEST RESULTS

Proposed Library Learning Resource Center and Student Services Building
Norco College
Norco, Riverside County, California
Project No. 4400-CR

GEOTEK

SUMMARY OF LABORATORY TESTING

Classification
Soils were classified visually in general accordance with the Unified Soil Classification System (ASTM Test Method D 2487). The soil classifications are shown on the boring logs in Appendix A.

Direct Shear
Shear testing was performed on an in-situ sample and on remolded samples in a direct shear machine of the strain-control type in general accordance with ASTM Test Method D 3080. The rates of deformation were approximately 0.01 inch per minute. The samples were sheared under varying confining loads in order to determine the coulomb shear strength parameters, angle of internal friction and cohesion. The results of the testing are presented graphically in Appendix B.

Expansion Index
The expansion index of the soils was determined by performing expansion index testing on two (2) samples obtained from the field exploration in general accordance with ASTM D 4829. The results of the testing are provided below and in Appendix B:

Boring No.	Depth (ft.)	Soil Type	Expansion Index	Classification
B-1	0-5	Silty Sand (SM)	0	Very Low
B-5	0-5	Sand (SP)	1	Very Low

Hydro-Collapse
Selected soil samples was tested in order to evaluate their potential for hydro-collapse. Testing was performed in general accordance with ASTM Test Method D 4546. The results of the testing are presented graphically in Appendix B.

In-Situ Moisture and Density
The natural water content was determined (ASTM D 2216) on samples of the materials recovered from the subsurface exploration. In addition, in-place dry density determinations (ASTM D 2937) were performed on relatively undisturbed samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the Logs of Exploratory Borings at the appropriate sample depths in Appendix A.

Moisture-Density Relationship
Laboratory testing consisting of a moisture-density relationship was performed on two (2) samples obtained during the subsurface exploration. The laboratory maximum dry density and optimum moisture content were determined in general accordance with ASTM D 1557 test procedures. The results of the testing are provided below and graphically in Appendix B:

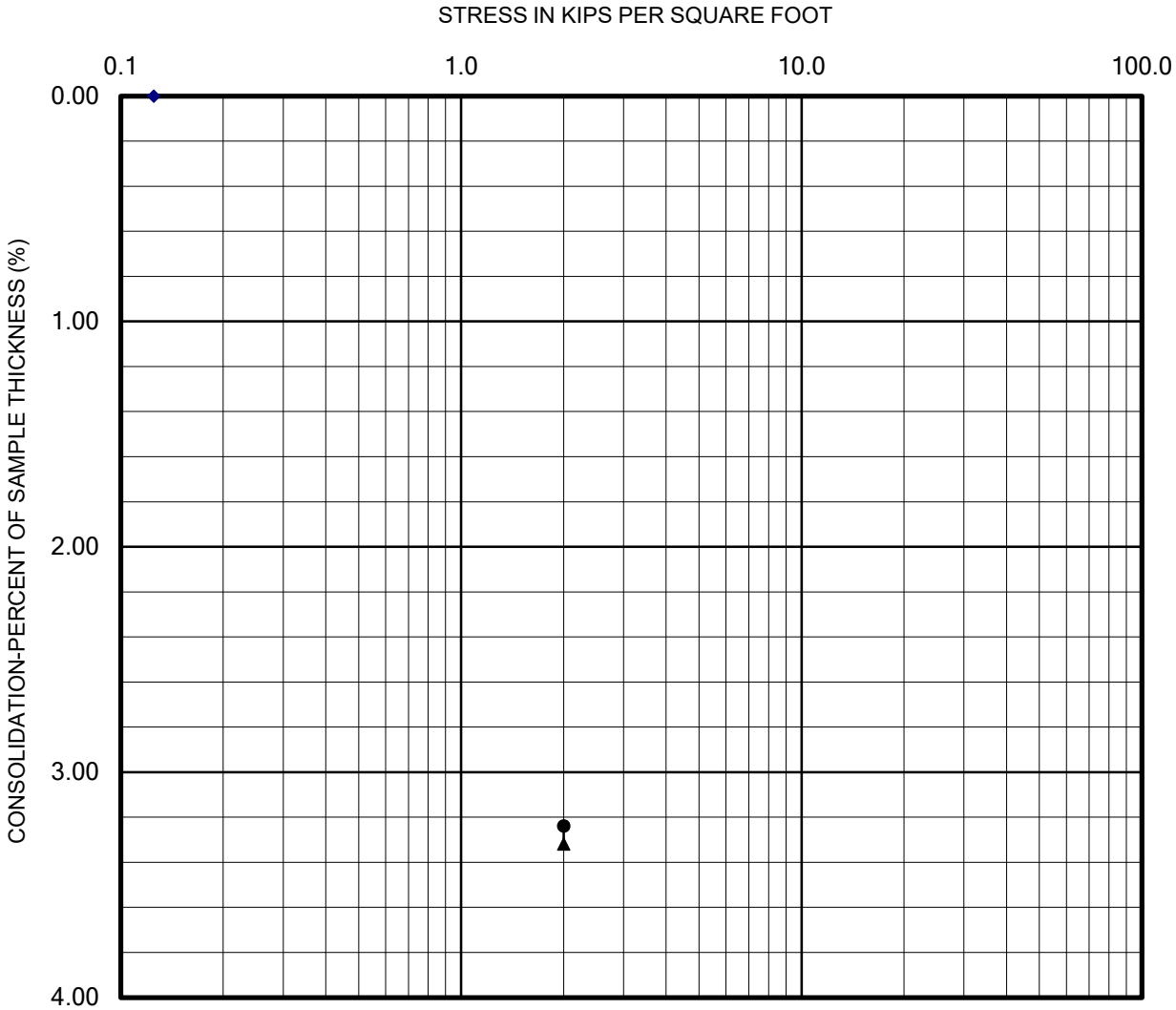
Boring No.	Depth (ft.)	Description	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
B-1	0-5	Fine Sandy Silt (ML)	118.7	10.4
B-5	0-5	Silty Fine Sand (SM)	121.6	7.6

SUMMARY OF LABORATORY TESTING (continued)

Sulfate Content, Resistivity and Chloride Content

Laboratory testing was performed by Project X Corrosion Engineering on two (2) samples obtained from the field exploration in general accordance with ASTM procedures. The testing included pH and water-soluble sulfate content determinations, resistivity and chloride content testing. The results of the testing are provided below, and in Appendix B:

Boring No.	Depth (ft.)	pH ASTM G 51	Chloride ASTM D 4327 (% by weight)	Sulfate ASTM D 516 (% by weight)	Resistivity ASTM G 187 (ohm-cm)
B-3	0-5	8.4	0.0004	0.0014	13,400
B-8	0-5	8.1	0.0035	0.0046	12,060



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

GEOTEK

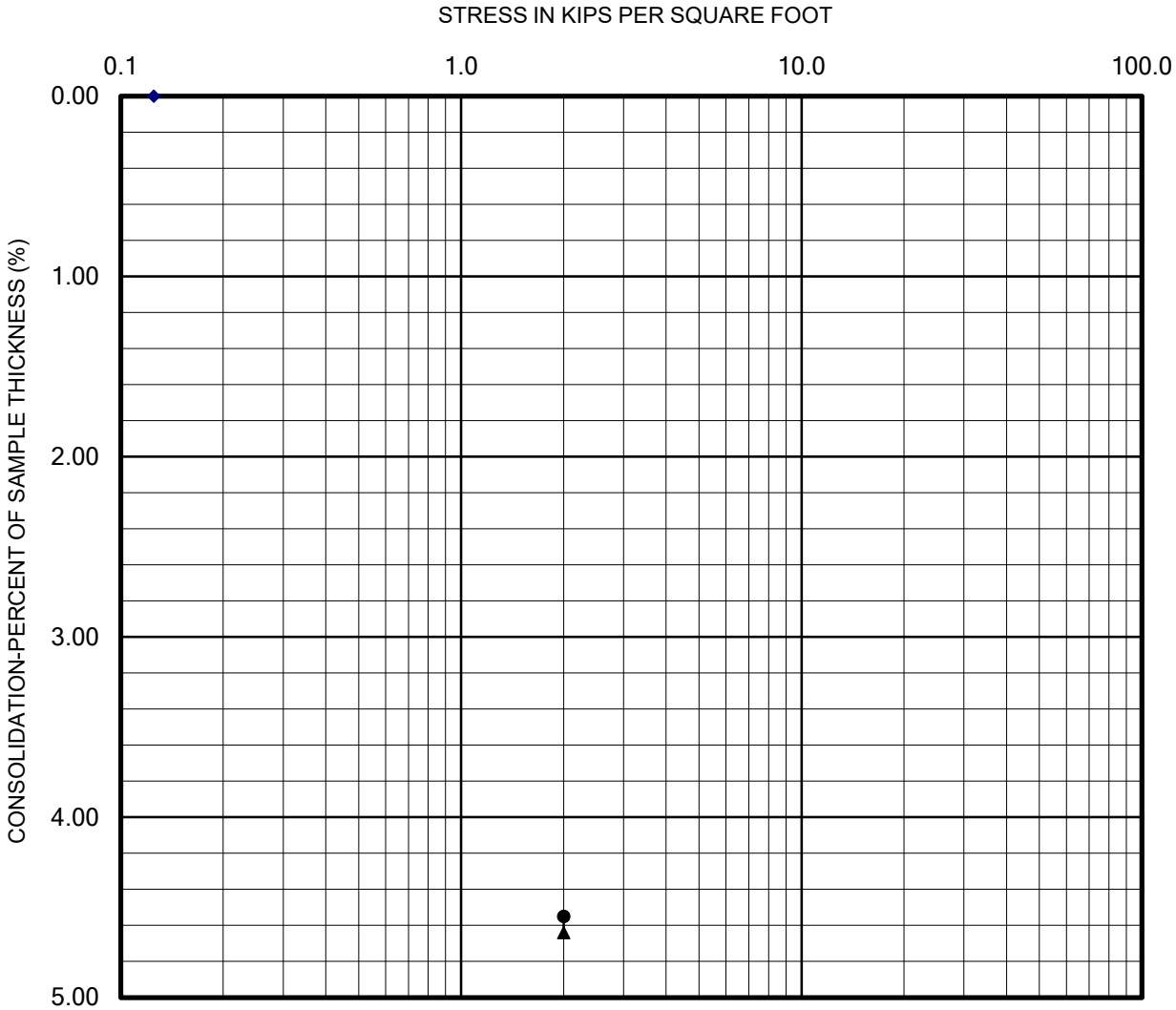
CHECKED BY: EC	Lab: Corona
PROJECT NO.: 4400-CR	Date: 11/7/2025

COLLAPSE REPORT

Sample: B-5 @ 9 Feet

New Library Learning Resource Center & Student Services Building

Plate B-1



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

GEOTEK

CHECKED BY: EC	Lab: Corona
PROJECT NO.: 4400-CR	Date: 11/10/2025

COLLAPSE REPORT

Sample: B-7 @ 6 Feet

New Library Learning Resource Center & Student Services Building

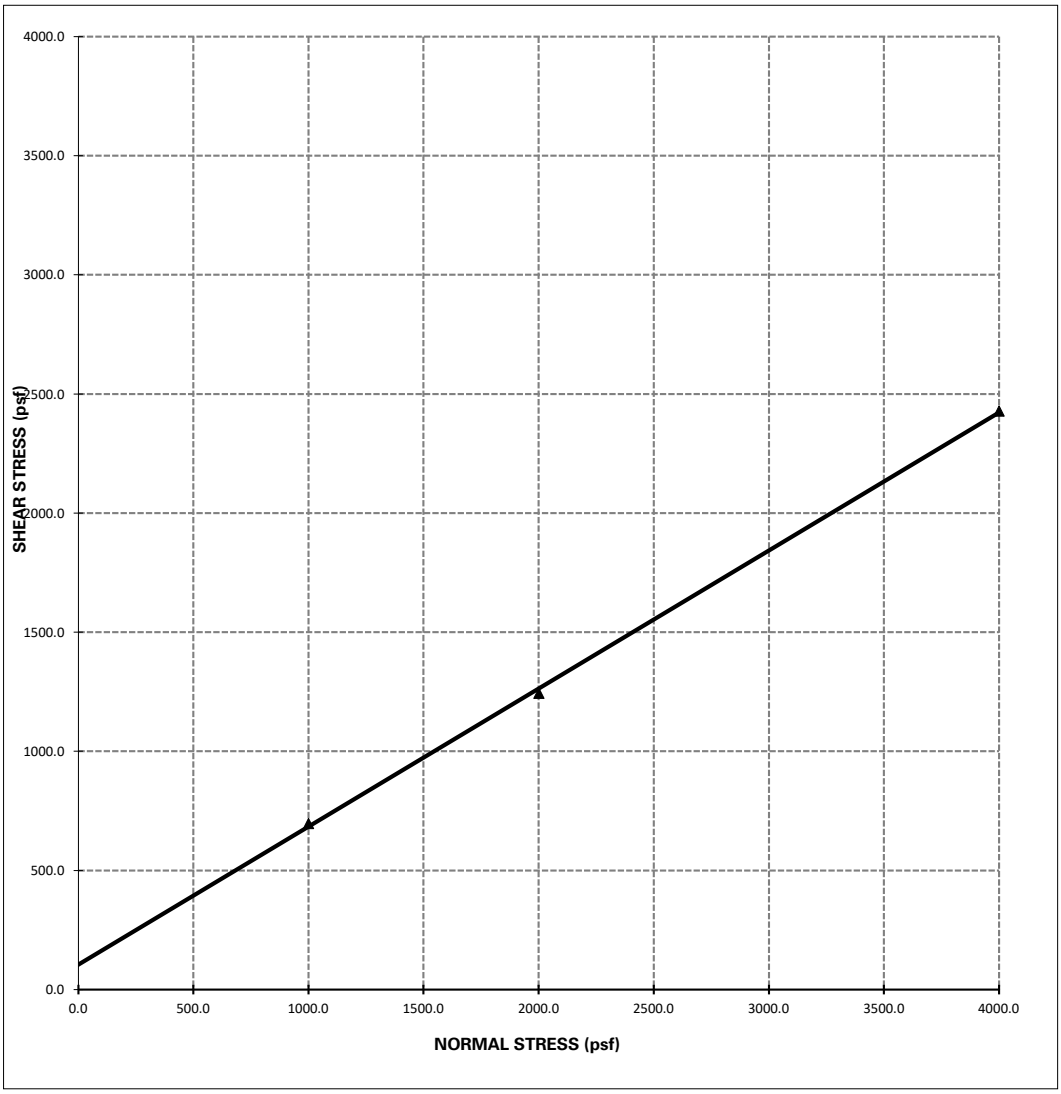
Plate B-2

GEOTEK

DIRECT SHEAR TEST

(ASTM D3080)

Project Name:	New Library Learning Resource	***Sample Location:***	B-1 @ 0-5 Feet
Project Number:	4400-CR	***Date Tested:***	11/10/2025



Shear Strength: **Φ = 30 °, C = 105 psf**

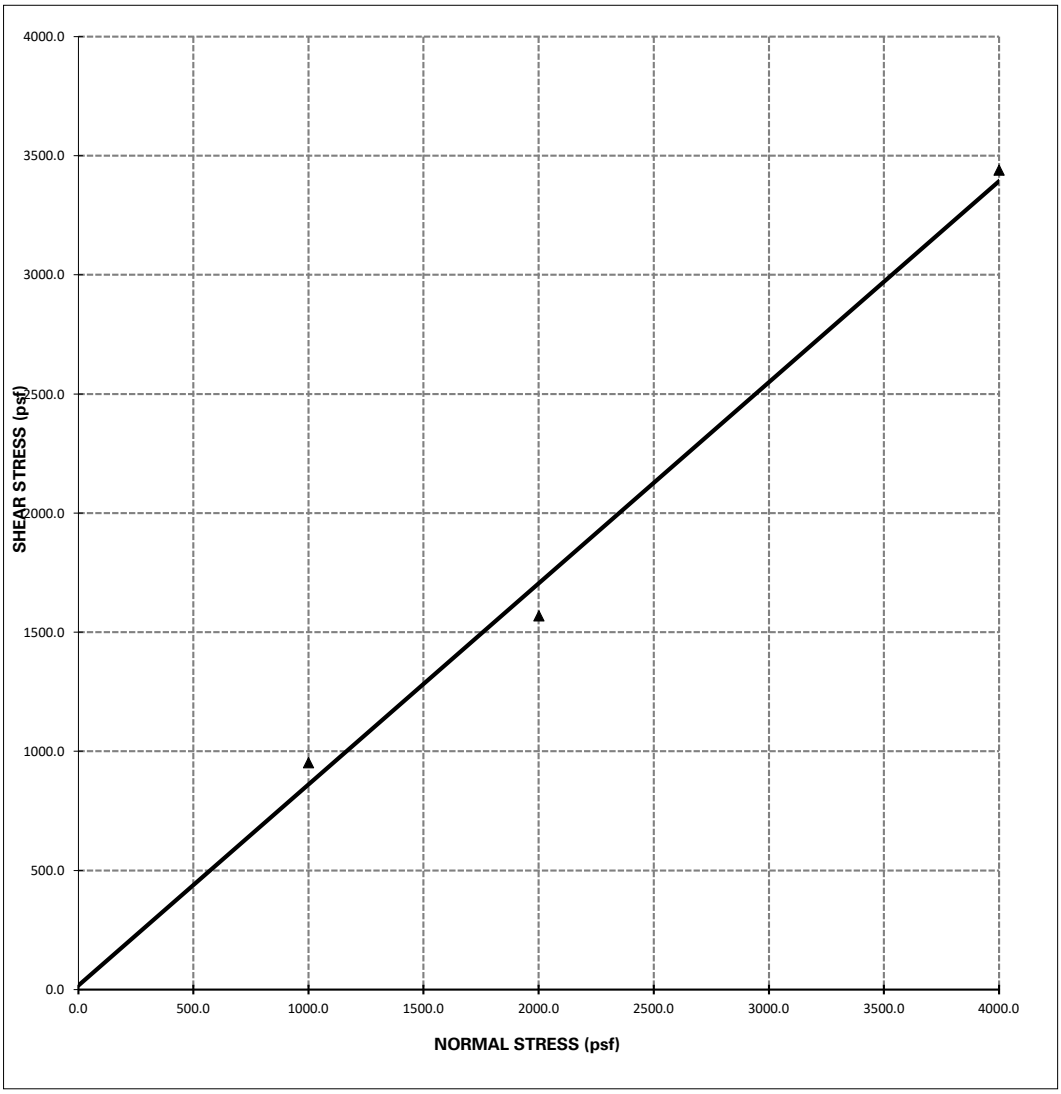
Notes:
1 - The soil specimen used in the shear box was a ring sample remolded to approximately 90% relative compaction from a bulk sample collected during the field investigation.
2 - The above reflect direct shear strength at saturated conditions.
3 - The tests were run at a shear rate of 0.01 in/min.

GEOTEK

DIRECT SHEAR TEST

(ASTM D3080)

Project Name:	New Library Learning Resource	***Sample Location:***	B-3 @ 9 Feet
Project Number:	4400-CR	***Date Tested:***	11/5/2025



Shear Strength: **Φ = 40 °, C = 17 psf**

Notes: 1 - The soil specimens sheared were "undisturbed" ring samples.

2 - The above reflect direct shear strength at saturated conditions.

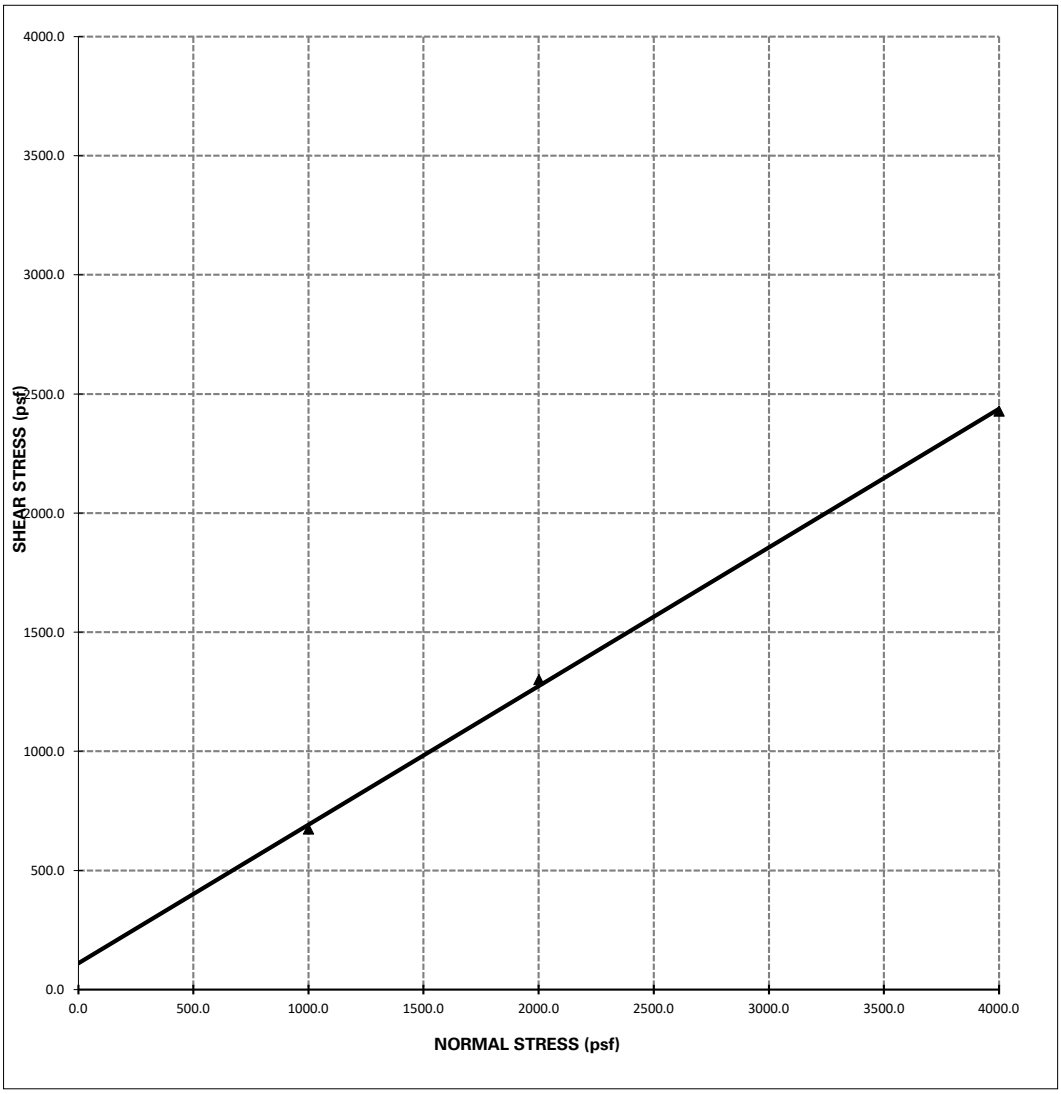
3 - The tests were run at a shear rate of 0.01 in/min.

GEOTEK

DIRECT SHEAR TEST

(ASTM D3080)

Project Name:	New Library Learning Resource	***Sample Location:***	B-5 @ 0-5 Feet
Project Number:	4400-CR	***Date Tested:***	11/10/2025



Shear Strength: Φ = 30 ° , C = 111 psf

Notes:
1 - The soil specimen used in the shear box was a ring sample remolded to approximately 90% relative compaction from a bulk sample collected during the field investigation.
2 - The above reflect direct shear strength at saturated conditions.
3 - The tests were run at a shear rate of 0.01 in/min.

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	Riverside Community College District	***Tested/ Checked By:***	UP Lab No Corona
Project Number:	4400-CR	***Date Tested:***	11/4/2025
Project Location:	New Library Learning Resource Center and Student Se	***Sample Source:***	B-1 @ 0-5 Feet
		Sample Description:	

Ring #: Ring Dia. : 4.01" Ring Ht.1"

DENSITY DETERMINATION

Weight of compacted sample & ring (gm)	769.0
Weight of ring (gm)	365.9
Net weight of sample (gm)	**403.1**
Wet Density, lb / ft3 (C*0.3016)	**121.6**
Dry Density, lb / ft3 (D/1.F)	**111.2**

SATURATION DETERMINATION

Moisture Content, %	9.3
Specific Gravity, assumed	**2.70**
Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
% Saturation	**48.8**

READINGS

DATE	TIME	READING	
11/4/2025		0.8070	Initial
11/4/2025		0.8070	10 min/Dry
11/5/2025		0.8070	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
786.5	**13.6**

EXPANSION INDEX = 0

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	Riverside Community College District	***Tested/ Checked By:***	UP Lab No Corona
Project Number:	4400-CR	***Date Tested:***	11/4/2025
Project Location:	New Library Learning Resource Center and Student Se	***Sample Source:***	B-5 @ 0-5 Feet
		Sample Description:	

Ring #: Ring Dia. : 4.01" Ring Ht.1"

DENSITY DETERMINATION

Weight of compacted sample & ring (gm)	766.0
Weight of ring (gm)	363.3
Net weight of sample (gm)	**402.7**
Wet Density, lb / ft3 (C*0.3016)	**121.5**
Dry Density, lb / ft3 (D/1.F)	**111.1**

SATURATION DETERMINATION

Moisture Content, %	9.3
Specific Gravity, assumed	**2.70**
Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
% Saturation	**48.6**

READINGS

DATE	TIME	READING	
11/4/2025		0.5620	Initial
11/4/2025		0.5620	10 min/Dry
11/5/2025		0.5630	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
784.5	**13.9**

EXPANSION INDEX = 1

GeoTek - Corona
1548 N. Maple St.
Corona, CA 92880
Phone: (951) 710-1160
Fax: (951) 710-1167

Report No: PTR:25-00193-S01

Proctor Report

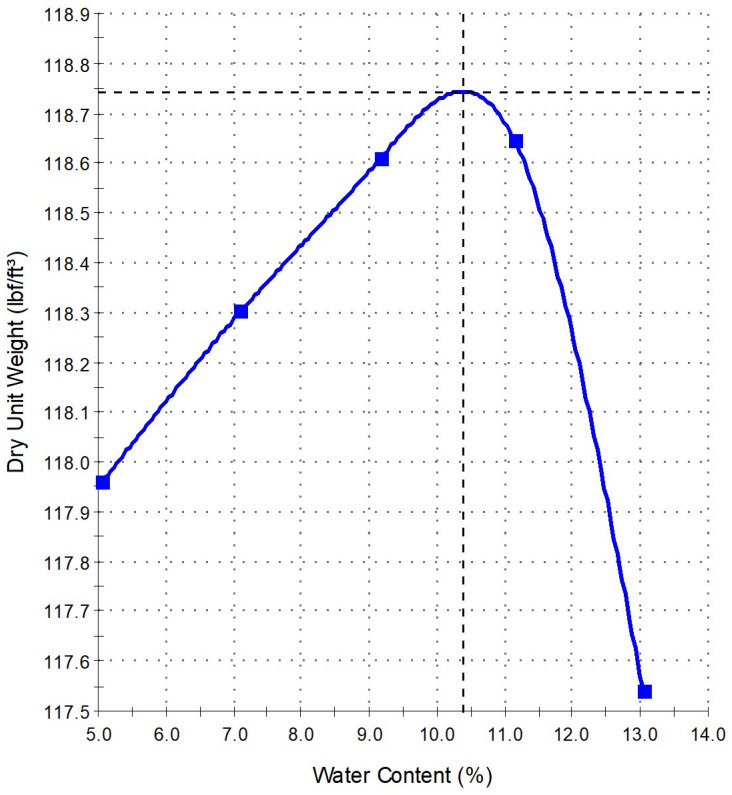
Client: Riverside Community College District **CC:**
Attn: Bart Doering
Riverside CA 92501

Project: 4400-CR
New Library Learning Resource Center and
Student Services Building

Sample Details

Sample ID: 25-00193-S01 **Date Sampled:** 10/31/2025
Sampled By:
Material: Fine Sandy SILT
Location: B-1 @ 0-5 Feet

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 1557

Maximum Dry Unit Weight (lbf/ft³):	**118.7**
Optimum Water Content (%):	**10.4**
Method:	A
Preparation Method:	Moist
Retained Sieve No 4 (4.75mm) (%):	0
Passing Sieve No 4 (4.75mm) (%):	100
Tested By:	Eduardo Cuevas
Date Tested:	11/4/2025

Comments

GeoTek - Corona
1548 N. Maple St.
Corona, CA 92880
Phone: (951) 710-1160
Fax: (951) 710-1167

Proctor Report

Report No: PTR:25-00193-S02

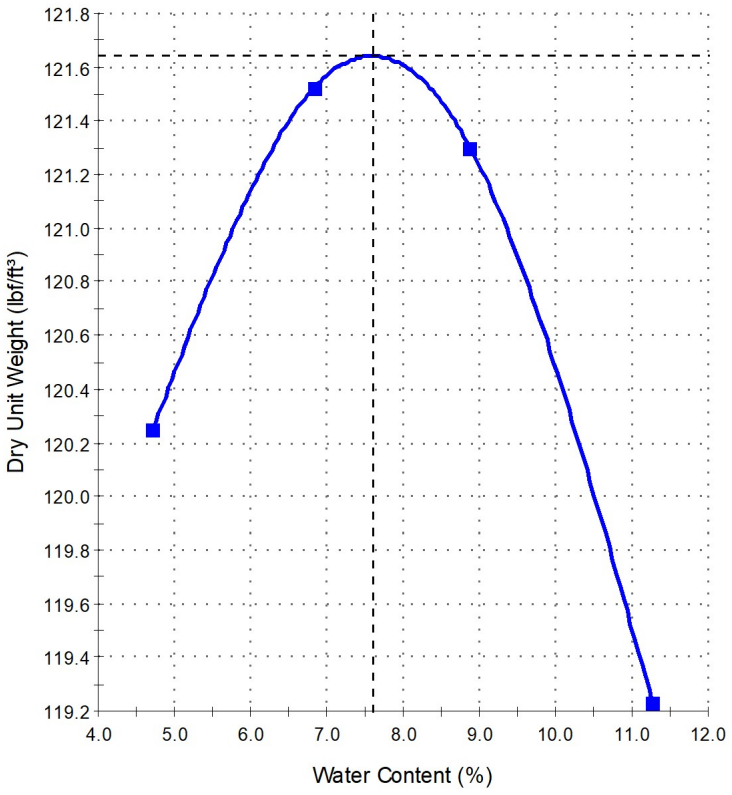
Client: Riverside Community College District **CC:**
Attn: Bart Doering
Riverside CA 92501

Project: 4400-CR
New Library Learning Resource Center and
Student Services Building

Sample Details

Sample ID: 25-00193-S02 **Date Sampled:** 10/31/2025
Sampled By:
Material: Silty Fine SAND
Location: B-5 @ 0-5 Feet

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 1557

Maximum Dry Unit Weight (lbf/ft³):	**121.6**
Optimum Water Content (%):	**7.6**
Method:	A
Preparation Method:	Moist
Retained Sieve No 4 (4.75mm) (%):	1
Passing Sieve No 4 (4.75mm) (%):	99
Tested By:	Eduardo Cuevas
Date Tested:	11/4/2025

Comments

Results Only Soil Testing for New Library Learning Resource Center & Student Services Building

November 5, 2025

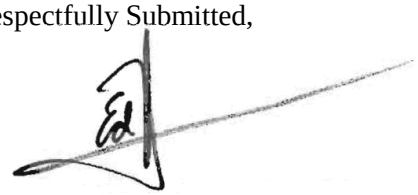
Prepared for:

Eddy Cuevas
GeoTek USA
1548 N. Maple Avenue
Corona, CA 92878
Ecuevas@geotekusa.com, jbrucelas@geotekusa.com

Project X Job#: S251104A
Client Job or PO#: 4400-CR

Prepared by:
D. Bobrova

Respectfully Submitted,



Eduardo Hernandez, M.Sc., P.E.
Sr. Corrosion Consultant
NACE Corrosion Technologist #16592
Professional Engineer
California No. M37102
ehernandez@projectxcorrosion.com

Soil Analysis Lab Results

Client: GeoTek USA
Job Name: New Library Learning Resource Center & Student Services Building
Client Job Number: 4400-CR
Project X Job Number: S251104A
November 5, 2025

	Method	ASTM D4327		ASTM D4327		ASTM G187		ASTM G51	ASTM G200	SM 4500-D	ASTM D4327	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D4327	ASTM D4327
Bore# / Description	**Depth**	**Sulfates** SO_4^{2-}		**Chlorides** Cl^-		**Resistivity** As Rec'd | Minimum		**pH**	**Redox**	**Sulfide** S^{2-}	**Nitrate** NO_3^-	**Ammonium** NH_4^+	**Lithium** Li^+	**Sodium** Na^+	**Potassium** K^+	**Magnesium** Mg^{2+}	**Calcium** Ca^{2+}	**Fluoride** F_2^{2-}	**Phosphate** PO_4^{3-}
	(ft)	**(mg/kg)**	**(wt%)**	**(mg/kg)**	**(wt%)**	**(Ω-cm)**	**(Ω-cm)**		**(mV)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**
B-3	0-5	14.1	0.0014	4.2	0.0004	26,130	13,400	8.4	135	1.65	0.9	3.7	ND	25.1	14.0	26.7	71.8	6.6	1.8
B-8	0-5	45.9	0.0046	35.4	0.0035	14,740	12,060	8.1	122	3.09	1.3	2.3	ND	54.3	10.8	38.3	125.9	6.9	4.9

Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography
mg/kg = milligrams per kilogram (parts per million) of dry soil weight
ND = 0 = Not Detected | NT = Not Tested | Unk = Unknown
Chemical Analysis performed on 1:3 Soil-To-Water extract
PPM = mg/kg (soil) = mg/L (Liquid)

For AWWA 105C: 0-3mg/kg sulfide = Negative; 3-6mg/kg = trace; >6mg/kg = Positive

Note: Sometimes a bad sulfate hit is a contaminated spot. Typical fertilizers are Potassium chloride, ammonium sulfate or ammonium sulfate nitrate (ASN). So this is another reason why testing full corrosion series is good because we then have the data to see if those other ingredients are present meaning the soil sample is just fertilizer-contaminated soil. This can happen often when the soil samples collected are simply surface scoops. This is why it's best to dig in a foot, throw away the top and test the deeper stuff. Dairy farms are also notorious for these items.

If one sample pops up much more corrosive than all others, we would recommend collecting more samples surrounding the problem sample location to determine if the peak is isolated to it. This allows us to conclude it was a contaminated sample and able to declare it an outlier.

Try out our new online forms: SOIL CORROSIVITY & THERMAL RESISTIVITY LAB REQUEST FORM & IN-SITU WENNER 4 PIN QUOTE REQUEST FORM

APPENDIX C

INFILTRATION TEST DATA
AND PORCHET CALCULATIONS

Proposed Library Learning Resource Center and Student Services Building
Norco College
Norco, Riverside County, California
Project No. 4400-CR

GEOTEK

PERCOLATION DATA SHEET

Project: New Library Learning Resource Center and Student Services **Job No.:** 4400-CR

Test Hole No.: I-1 **Tested By:** JC **Date:** 10/31/2025

Depth of Hole As Drilled: 120" **Before Test:** 120" **After Test:** 120"

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ in Water Level (Inches)	Rate (Minutes per Inch)	Comments
1	7:00 AM		120	24				Pre-soaked with 5+ gallons
	7:25 AM	25			23.28	0.72	34.7	of clear water prior to Trials
2	7:26 AM		120	24				
	7:51 AM	25			23.40	0.60	41.7	
1	7:52 AM		120	24				
	8:22 AM	30			23.28	0.72	41.7	
2	8:23 AM		120	24				
	8:53 AM	30			23.40	0.60	50.0	
3	8:54 AM		120	24				
	9:24 AM	30			23.40	0.60	50.0	
4	9:25 AM		120	24				
	9:55 AM	30			23.52	0.48	62.5	
5	9:56 AM		120	24				
	10:26 AM	30			23.52	0.48	62.5	
6	10:27 AM		120	24				
	10:57 AM	30			23.52	0.48	62.5	
7	10:58 AM		120	24				
	11:28 AM	30			23.64	0.36	83.3	
8	11:29 AM		120	24				
	11:59 AM	30			23.64	0.36	83.3	
9	12:00 PM		120	24				
	12:30 PM	30			23.64	0.36	83.3	
10	12:31 PM		120	24				
	1:01 PM	30			23.64	0.36	83.3	
11	1:02 PM		120	24				
	1:32 PM	30			23.64	0.36	83.3	
12	1:33 PM		120	24				
	2:03 PM	30			23.64	0.36	83.3	

GEOTEK

PERCOLATION DATA SHEET

Project: New Library Learning Resource Center and Student Services **Job No.:** 4400-CR

Test Hole No.: I-2 **Tested By:** JC **Date:** 10/24/2025

Depth of Hole As Drilled: 120" **Before Test:** 120" **After Test:** 120"

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ in Water Level (Inches)	Rate (Minutes per Inch)	Comments
1	8:00 AM		120	24				Pre-soaked with 5+ gallons
	8:25 AM	25			23.64	0.36	69.4	of clear water prior to Trials
2	8:26 AM		120	24				
	8:51 AM	25			23.76	0.24	104.2	
1	8:52 AM		120	24				
	9:22 AM	30			23.76	0.24	125.0	
2	9:23 AM		120	24				
	9:53 AM	30			23.88	0.12	250.0	
3	9:54 AM		120	24				
	10:24 AM	30			23.88	0.12	250.0	
4	10:25 AM		120	24				
	10:55 AM	30			23.88	0.12	250.0	
5	10:56 AM		120	24				
	11:26 AM	30			23.88	0.12	250.0	
6	11:27 AM		120	24				
	11:57 AM	30			23.88	0.12	250.0	
7	11:58 AM		120	24				
	12:28 PM	30			23.88	0.12	250.0	
8	12:29 PM		120	24				
	12:59 PM	30			23.88	0.12	250.0	
9	1:00 PM		120	24				
	1:30 PM	30			23.88	0.12	250.0	
10	1:31 PM		120	24				
	2:01 PM	30			23.88	0.12	250.0	
11	2:02 PM		120	24				
	2:32 PM	30			23.88	0.12	250.0	
12	2:33 PM		120	24				
	3:03 PM	30			23.88	0.12	250.0	

GEOTEK

Client:	**RCCD**
Project:	**New Library Learning Resource Center**
Project No:	**4400-CR**
Date:	**10/31/2025**

Boring No. **I-1**

Percolation to Infiltration Rate (Porchet Method)

Time Interval, Δt =	30
Final Depth to Water, D_F =	96.36
Test Hole Radius, r =	4
Initial Depth to Water, D_O =	96
Total Test Hole Depth, D_T =	120

Equation - $I_t = \dfrac{\Delta H\,(60r)}{\Delta t\,(r+2H_{avg})}$

$H_O = D_T - D_O$ =	24
$H_F = D_T - D_F$ =	23.64
$\Delta H = \Delta D = H_O - H_F$ =	0.36
$H_{avg} = (H_O+H_F)/2$ =	23.82

I_t = 0.06 **Inches per Hour**

GEOTEK

Client:	**RCCD**
Project:	**New Library Learning Resource Center**
Project No:	**4400-CR**
Date:	**10/24/2025**

Boring No. **I-2**

Percolation to Infiltration Rate (Porchet Method)

Time Interval, Δt =	30
Final Depth to Water, D_F =	96.12
Test Hole Radius, r =	4
Initial Depth to Water, D_O =	96
Total Test Hole Depth, D_T =	120

Equation - $I_t = \dfrac{\Delta H\,(60r)}{\Delta t\,(r+2H_{avg})}$

$H_O = D_T - D_O$ =	24
$H_F = D_T - D_F$ =	23.88
$\Delta H = \Delta D = H_O - H_F$ =	0.12
$H_{avg} = (H_O+H_F)/2$ =	23.94

I_t = 0.02 **Inches per Hour**

GEOTEK

APPENDIX D

GROUND MOTION HAZARD ANALYSIS

Proposed Library Learning Resource Center and Student Services Building
Norco College
Norco, Riverside County, California
Project No. 4400-CR

GEOTEK

TERRA GEOSCIENCES

GROUND-MOTION HAZARD ANALYSIS

LIBRARY LEARNING RESOURCE CENTER

NORCO COMMUNITY COLLEGE

2001 THIRD STREET

NORCO, CALIFORNIA

Project No. 254169-1

November 7, 2025

Prepared for:

GeoTek, Inc.
1548 North Maple Street
Corona, CA 92880

Consulting Engineering Geology & Geophysics

P.O. Box 1090, Loma Linda, CA 92354 • 909 796-4667

GeoTek, Inc.
1548 North Maple Street
Corona, CA 92880

Attention: Mr. Daniel Whitmer, Staff Geologist

Regarding: Ground-Motion Hazard Analysis
Library Learning Resource Center
Norco Community College
2001 Third Street
Norco, California
GeoTek Project No. 4400-CR

INTRODUCTION

At your request, this firm has prepared a ground-motion seismic analysis report for the proposed Library Learning Resource Center building to be constructed within the existing school campus as referenced above. The purpose of this study was to evaluate the site-specific ground motion parameters to aid in the seismic design for this project, based on the 2025 California Building Code (CBC). Our work included performing a seismic shear-wave study for determining the Site Classification and V_{S100} input values for this analysis. The scope of services provided for this evaluation included the following:

- ***Review of available published and unpublished geologic/seismic data in our files pertinent to the site.***
- ***Performing a seismic surface-wave survey by a licensed State of California Professional Geophysicist that included one traverse for shear-wave velocity analysis purposes.***
- ***Evaluation of the local and regional tectonic setting including performing a site-specific CBC ground motion analysis.***
- ***Preparation of this report presenting our findings, with respect to the seismic design parameters.***

Accompanying Map and Appendices

Plate 1- Seismic Line Location Map
Appendix A - Shear-Wave Survey
Appendix B - Site Specific Ground Motion Analysis
Appendix C - References

PROJECT SUMMARY

Based on the information that has been provided, we understand that an existing building is proposed to demolished and a new 71,739 gross square foot (46,252 assignable square foot) three-story standalone building will be constructed in its place. For this project, we have performed a field reconnaissance, observed the exploratory boring excavations during the time of drilling, reviewed pertinent available geologic and geotechnical data in our files, along with performing a site-specific ground motion analysis and a seismic shear-wave survey.

To aid in determining the soil Site Classification of the site for ground motion analysis purposes, a seismic shear-wave survey using the multi-channel analysis of surface waves (MASW) and microtremor array measurements (MAM) methods was performed in order to assess the one-dimensional average shear-wave velocity structure beneath the subject study area, to a depth of at least 100 feet. This survey line was performed along the northern perimeter of the proposed new building (as shown on Plate 1), which provided the necessary survey line length along an accessible area, as well as being representative for the site development of the proposed building.

The resultant shear wave velocity (V_S) from this survey line within the upper 100 feet (30 meters) was then used to both determine the Site Classification (ASCE, 2022, Table 20.2-1) of the subject project study area, as well as being used for the V_S input value of the site-specific CBC seismic analysis. The detailed results of this survey are presented within Appendix A for reference.

Geologic mapping of the area by the Morton and Gray (2002) indicate that the project study area is mantled by late to middle Pleistocene age surficial sediments, generally described as being comprised of arenaceous (very coarse sand through very fine sand) sandy old alluvial fan deposits this is indurated. Underlying these deposits at depth and as mapped just east of the proposed construction area are presumed to be Cretaceous age granitic rocks referred to as Micropegmatitic Granite of Gavilan Ring Complex, that is generally a fine-grained leucocratic granite having a distinctive micropegmatitic texture. Additionally, local deposits of artificial fill of unknown composition and thickness may also be present.

The approximate location of the seismic shear-wave traverse (Seismic Line SW-1) is shown on a captured Google™ Earth (2025) image, as presented on the Seismic Line Location Map, Plate 1. Additionally, photographic views of the seismic line traverse have been included within Appendix A for both visual and reference purposes.

SITE-SPECIFIC GROUND MOTION ANALYSIS

As requested, we have performed a site-specific seismic ground motion analysis as discussed above. Geographically, the proposed construction project is centrally located at Latitude 33.9168 and Longitude -117.5690 (World Geodetic System of 1984). The mapped spectral acceleration parameters, coefficients, and other related seismic parameters, were evaluated using the OSHPD Seismic Design Maps Tool web application (OSHPD, 2025) and the California Building Code criteria (CBC, 2025), with the site-specific ground motion analysis being performed following Section 21 of the ASCE 7-22 Standard (ASCE, 2022). The results of this site-specific ground motion analysis have been summarized and are tabulated below, with the detailed analysis being presented within Appendix B:

TABLE 1 – SUMMARY OF SITE-SPECIFIC SEISMIC DESIGN PARAMETERS

Factor or Coefficient	Value
S_S	**2.060g**
S_1	**0.650g**
S_{DS}	**1.170g**
S_{D1}	**0.810g**
S_{MS}	**1.750g**
S_{M1}	**1.220g**
T_L	**8 Seconds**
MCE_G PGA	**0.76g**
Shear-Wave Velocity (V_{100})	**1,424.2 ft/sec**
Site Classification	**CD**
Risk Category	**III**

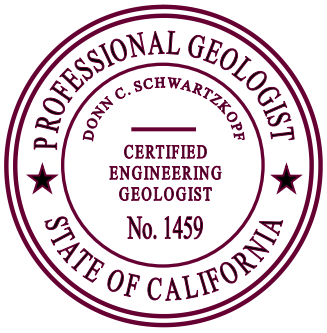
CLOSURE

Our conclusions and recommendations are based on an interpretation of available existing geologic, geophysical, geotechnical, and seismic data. No subsurface exploration was performed by this firm for this evaluation. We make no warranty, either express or implied. Should conditions be encountered at a later date or more information becomes available that appear to be different than those indicated in this report, we reserve the right to reevaluate our conclusions and recommendations and provide appropriate mitigation measures, if warranted. If this report is not understood, it is the responsibility of the owner, contractor, engineer, and/or governmental agency, etc., to contact this office for further clarification.

Respectfully submitted,
TERRA GEOSCIENCES

Donn C. Schwartzkopf
Certified Engineering Geologist
CEG 1459

Professional Geophysicist
PGP 1002



SEISMIC LINE LOCATION MAP

Base Map: Google™ Earth (2025); Seismic shear-wave survey line (SW-1) shown as blue line.

PROJECT NO. 254169-1

PLATE 1

APPENDIX A

SHEAR-WAVE SURVEY

SHEAR-WAVE SURVEY

Methodology

The fundamental premise of this survey uses the fact that the Earth is always in motion at various seismic frequencies. These relatively constant vibrations of the Earth's surface are called microtremors, which are very small with respect to amplitude and are generally referred to as background "noise" that contain abundant surface waves. These microtremors are caused by both human activity (i.e., cultural noise, traffic, factories, etc.) and natural phenomenon (i.e., wind, wave motion, rain, atmospheric pressure, etc.) which have now become regarded as useful signal information. Although these signals are generally very weak, the recording, amplification, and processing of these surface waves has greatly improved by the use of technologically improved seismic recording instrumentation and recently developed computer software. For this application, we are mainly concerned with the Rayleigh wave portion of the seismic signals, which is also referred to as "ground roll" since the Rayleigh wave is the dominant component of ground roll.

For the purposes of this study, there are two ways that the surface waves were recorded, one being "active" and the other being "passive." Active means that seismic energy is intentionally generated at a specific location relative to the survey spread and recording begins when the source energy is imparted into the ground (i.e., MASW survey technique). Passive surveying, also called "microtremor surveying," is where the seismograph records ambient background vibrations (i.e., MAM survey technique), with the ideal vibration sources being at a constant level. Longer wavelength surface waves (longer-period and lower-frequency) travel deeper and thus contain more information about deeper velocity structure and are generally obtained with passive survey information. Shorter wavelength (shorter-period and higher-frequency) surface waves travel shallower and thus contain more information about shallower velocity structure and are generally collected with the use of active sources. For the most part, higher frequency active source surface waves will resolve the shallower velocity structure and lower frequency passive source surface waves will better resolve the deeper velocity structure. Therefore, the combination of both of these surveying techniques provides a more accurate depiction of the subsurface velocity structure.

The assemblage of the data that is gathered from these surface wave surveys results in development of a dispersion curve. Dispersion, or the change in phase velocity of the seismic waves with frequency, is the fundamental property utilized in the analysis of surface wave methods. The fundamental assumption of these survey methods is that the signal wavefront is planar, stable, and isotropic (coming from all directions) making it independent of source locations and for analytical purposes uses the spatial autocorrelation method (SPAC). The SPAC method is based on theories that are able to detect "signals" from background "noise" (Okada, 2003). The shear wave velocity (V_s) can then be calculated by mathematical inversion of the dispersive phase velocity of the surface waves which can be significant in the presence of velocity layering, which is common in the near-surface environment.

Field Procedures

One seismic shear-wave survey traverse was performed along the northern perimeter of the new proposed building, as approximated on the Seismic Line Location Map, Plate 1. For data collection, the field survey employed a twenty-four channel Geometrics Geode model signal-enhancement refraction seismograph. This survey employed both active (MASW) and passive (MAM) source methods to ensure that both quality shallow and deeper shear-wave velocity information was recorded (Park et al., 2005). Both the MASW and MAM survey lines used the same linear geometry array that consisted of a 184-foot-long spread using a series of twenty-four 4.5-Hz geophones that were spaced at regular eight-foot intervals.

For the MASW survey, the ground vibrations were recorded using a one second record length at a sampling rate of 0.5-milliseconds. Two seismic records were obtained using a 30-foot offset from the beginning and end of the survey line utilizing a 16-pound sledge-hammer as the energy source to produce the seismic waves. Each of these shot points used multiple shots (stacking) to improve the signal to noise ratio of the data.

The MAM survey did not require the introduction of artificial seismic sources and only background ambient noise was recorded. The ambient ground vibrations were recorded using a thirty-two second record length at a two-millisecond sampling rate with 20 separate seismic records being obtained for quality control purposes. The seismic-wave forms and associated frequency spectrum that were displayed on the seismograph screen were used to assess the recorded seismic wave data for quality control purposes in the field. The acceptable records were digitally recorded on the in-board seismograph computer and subsequently transferred to a flash drive so that they could be subsequently transferred to our office computer for analysis.

Data Processing

For analysis and presentation of the shear-wave profile and supportive illustrations, this study used the SeisImager/SW™ computer software program developed by Geometrics, Inc. (2021). Both the active (MASW) and passive (MAM) survey results were combined for this analysis (Park et al., 2005). The combined results maximize the resolution and overall depth range in order to obtain one high resolution V_s curve over the entire sampled depth range. These methods economically and efficiently estimate one-dimensional subsurface shear-wave velocities using data collected from standard primary-wave (P-wave) refraction surveys, however, it should be noted that surface waves by their physical nature cannot resolve relatively abrupt or small-scale velocity anomalies.

Processing of the data proceeded by calculating the dispersion curve from the input data which subsequently created an initial shear-wave model based on the observed data. This initial model was then inverted in order to converge on the best fit of the initial model and the observed data, creating the final shear-wave model (Seismic Line SW-1) as presented within this appendix.

Data Analysis

Data acquisition went very smoothly and the quality was considered to be very good. Analysis revealed that the average shear-wave velocity ("weighted average") in the upper 100 feet of the subject survey area is **1,424.4** feet per second (434.1 meters per second) as shown on the Shear-Wave Model for Seismic Line SW-1, as presented within this appendix. This average velocity classifies the underlying soils to that of Site Class "**CD**" (Dense Sand or Very Stiff Clay), which has a velocity range from 1,000 to 1,450 ft/sec (ASCE, 2022; Table 20.2-1).

The "weighted average" velocity is computed from a formula that is used by the ASCE (2022; Section 20.4, Equation 20.4-1) to determine the average shear-wave velocity for the upper 100 feet of the subsurface (V100).

$$Vs = 100/[(d1/v1) + (d2/v2) + ...+ (dn/vn)]$$

Where d1, d2, d3,...,tn, are the thicknesses for layers 1, 2, 3,...n, up to 100 feet, and v1, v2, v3,...,vn, are the seismic velocities (feet/second) for layers 1, 2, 3,...n. The detailed shear-wave model displays these calculated layer boundaries/depths and associated velocities (feet/second) for the 156-foot profile where locally measured. The constrained data is represented by the dark-gray shading on the shear-wave model. The associated Dispersion Curves (for both the active and passive methods) which show the data quality and picks, along with the resultant combined dispersion curve model, are also included within this appendix, for reference purposes.

Limitations

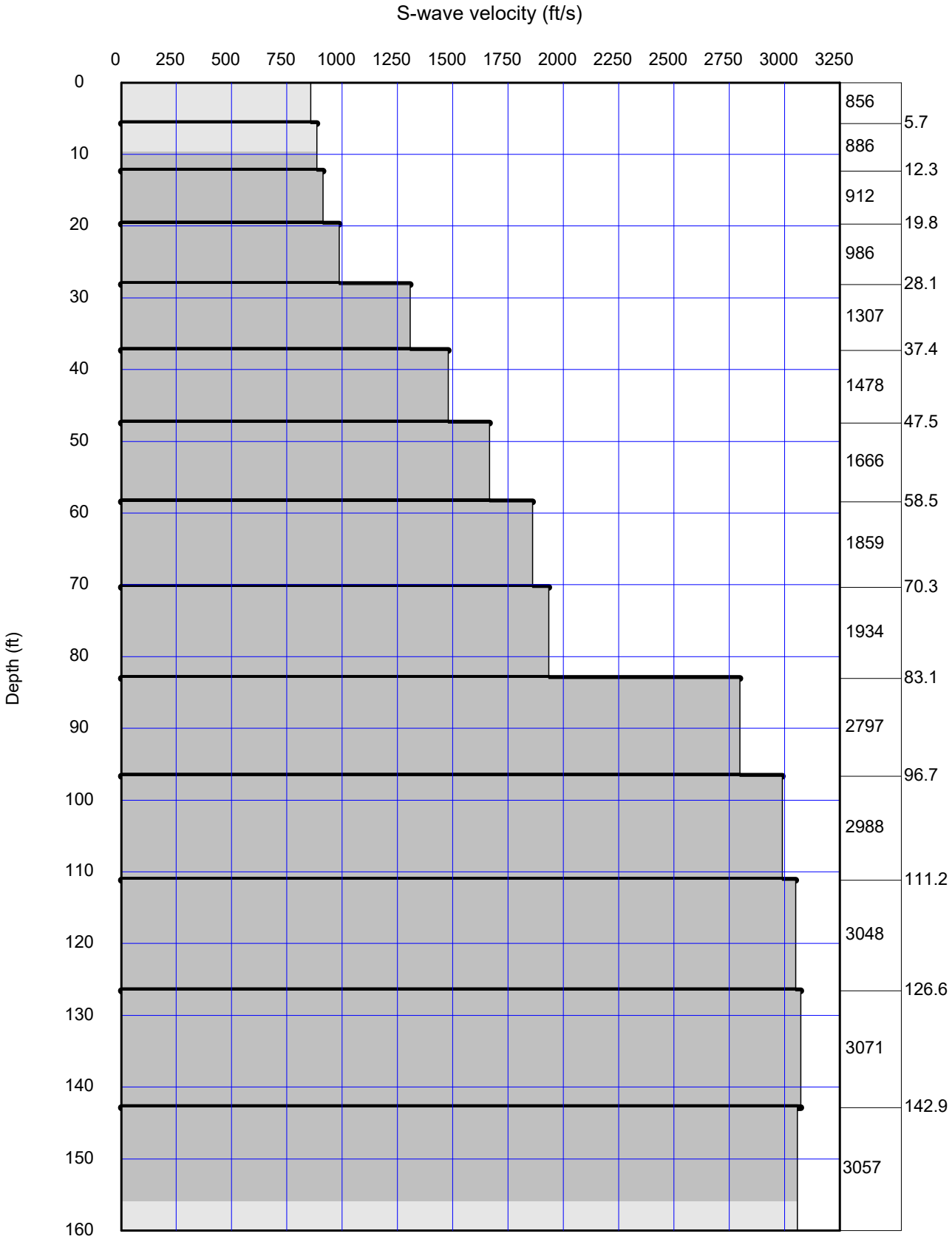
This survey was performed using "state of the art" geophysical equipment, techniques, and computer software. We make no warranty, either expressed or implied. It should be understood that when using these theoretical geophysical principles and techniques, sources of error are possible in both the data obtained and in the interpretation. Compared with traditional borehole shear-wave surveys of which use vertical body waves, the sources of error (if present) using horizontal surface waves for this project are not believed to be greater than 15 percent. It is also important to understand that the fundamental limitation for seismic surveys is known as nonuniqueness, wherein a specific seismic data set does not provide sufficient information to determine a single "true" earth model. Therefore, the interpretation of any seismic data set uses "best-fit" approximations along with the geologic models that appear to be most reasonable for the local area being surveyed.

SHEAR-WAVE SURVEY LINE PHOTOGRAPHS

View looking west-southwest along Seismic Line SW-1.

View looking east-northeast along Seismic Line SW-1.

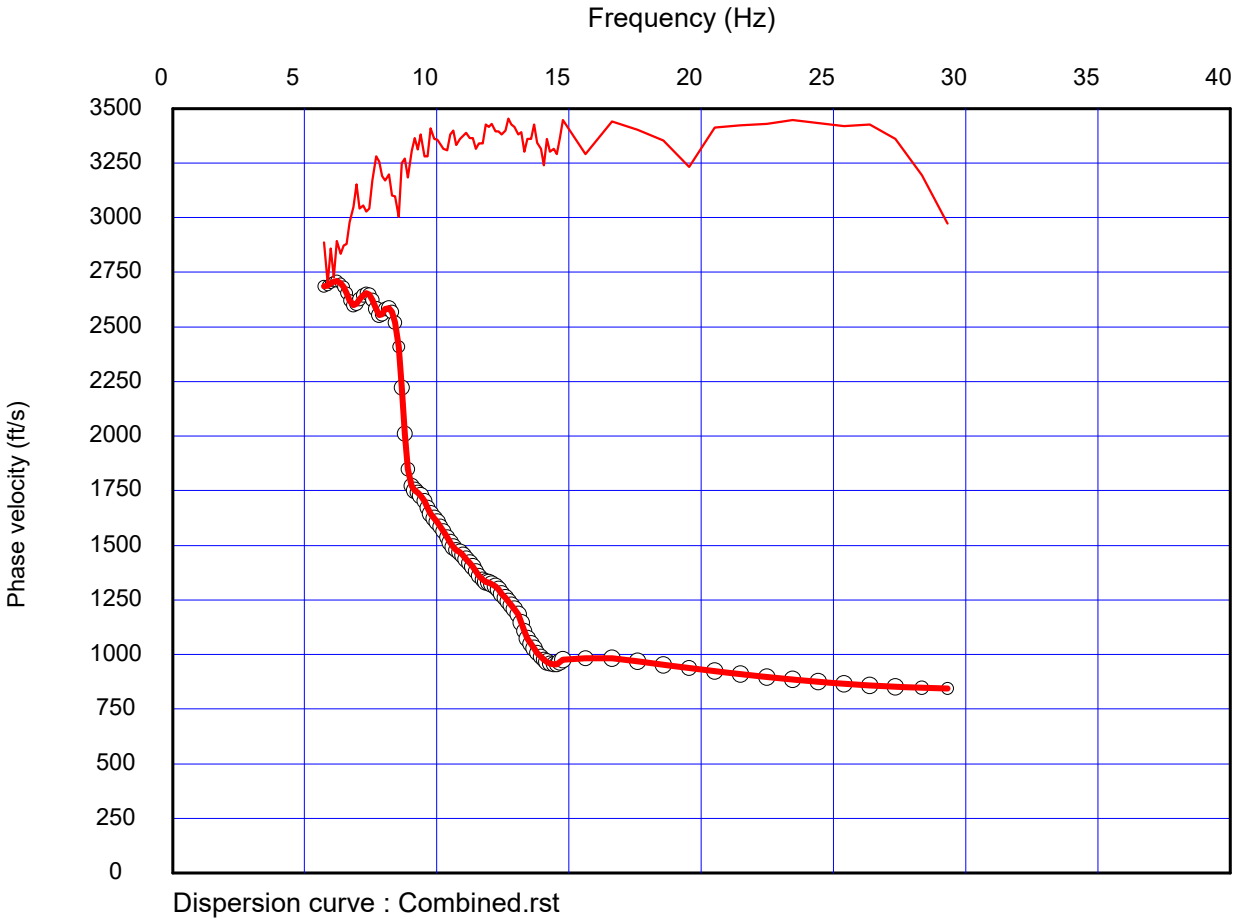
SEISMIC LINE SW-1
SHEAR-WAVE MODEL



S-wave velocity model (inverted) : Final.rst

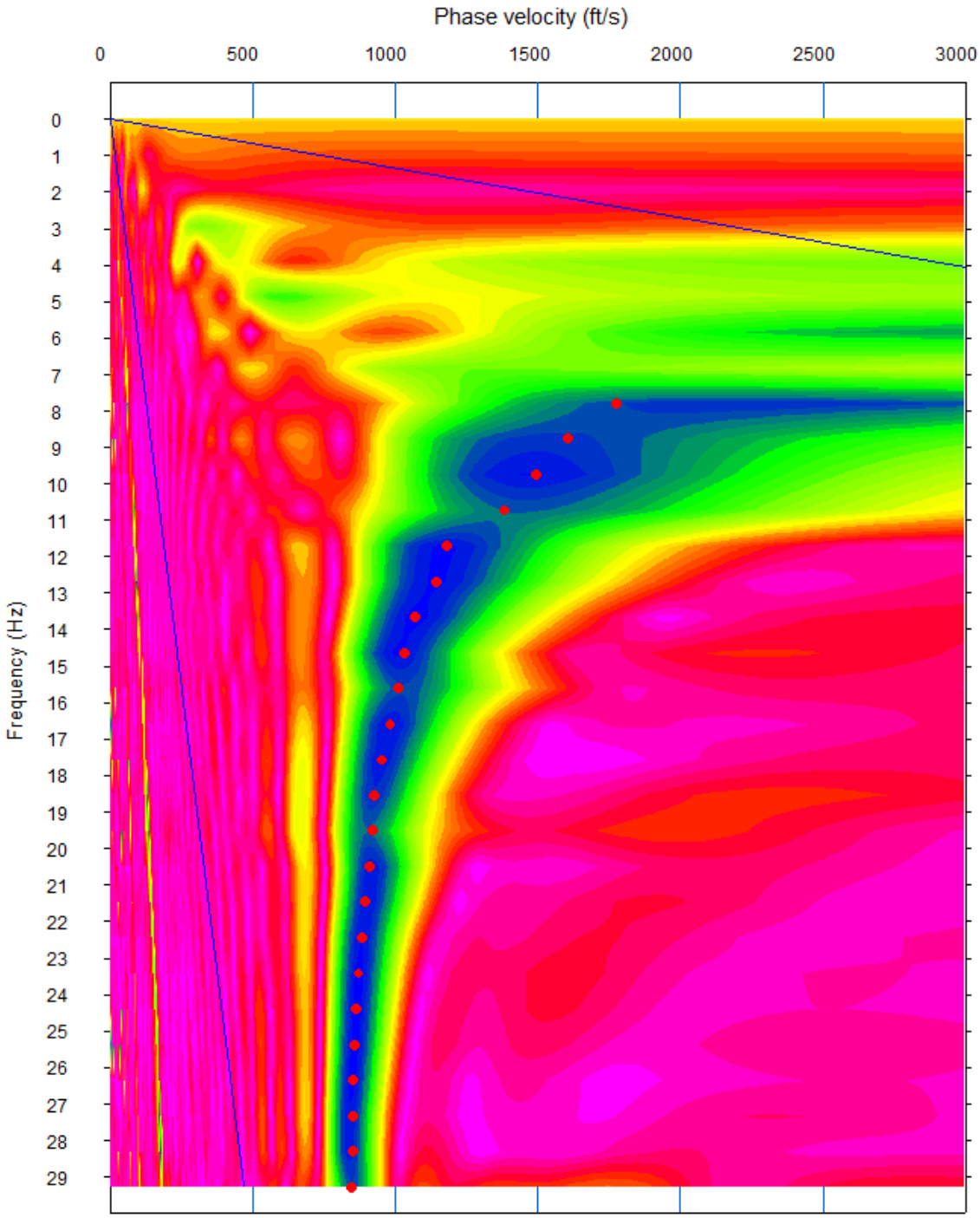
Average Vs 100ft = 1424.2 ft/sec

SEISMIC LINE SW-1



COMBINED DISPERSION CURVE

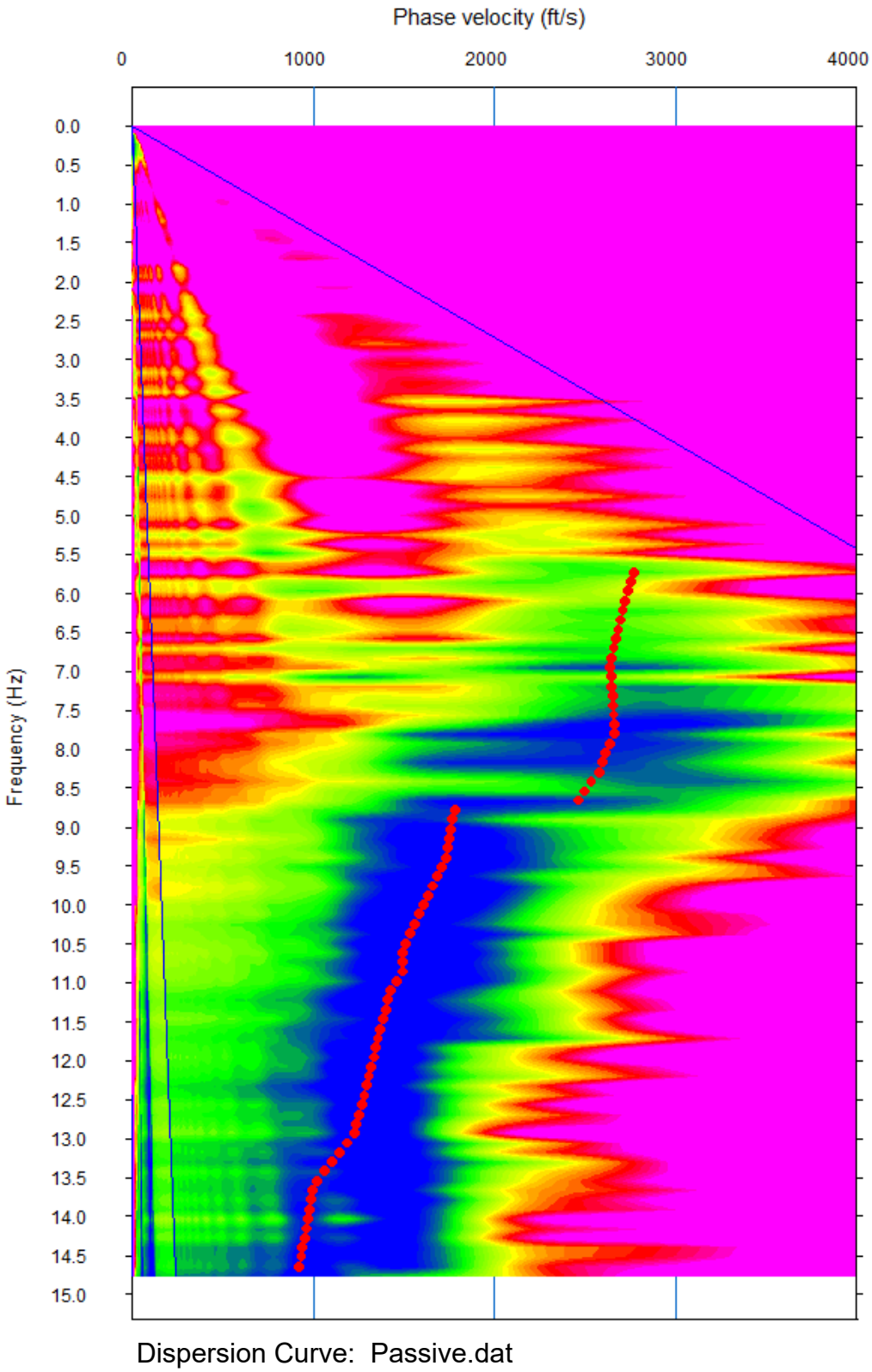
SEISMIC LINE SW-1



Dispersion Cure: Active.dat

ACTIVE DISPERSION CURVE

SEISMIC LINE SW-1



Dispersion Curve: Passive.dat

PASSIVE DISPERSION CURVE

APPENDIX B

SITE-SPECIFIC GROUND MOTION ANALYSIS

SITE-SPECIFIC GROUND MOTION ANALYSIS

A detailed summary of the site-specific ground motion analysis, which follows Section 21 of the ASCE 7-22 Standard (ASCE, 2022) is presented below, with the Seismic Design Parameters Summary included at the end of this appendix following the summary text.

- ***Mapped Spectral Acceleration Parameters (ASCE 7-22 Chapter 22)***-

  Based on maps prepared by the U.S.G.S (Risk-Targeted Maximum Considered Earthquake (MCE_R) ground Motion Parameters, S_{MS} and S_{M1}, for the Conterminous United States; Site Classes C, CD and D, a value of **2.06g** for the 0.2 second period (S_s) and **0.65** for the 1.0 second period (S_1) was calculated (ASCE 7-22 Figures 22-1, 22-2).

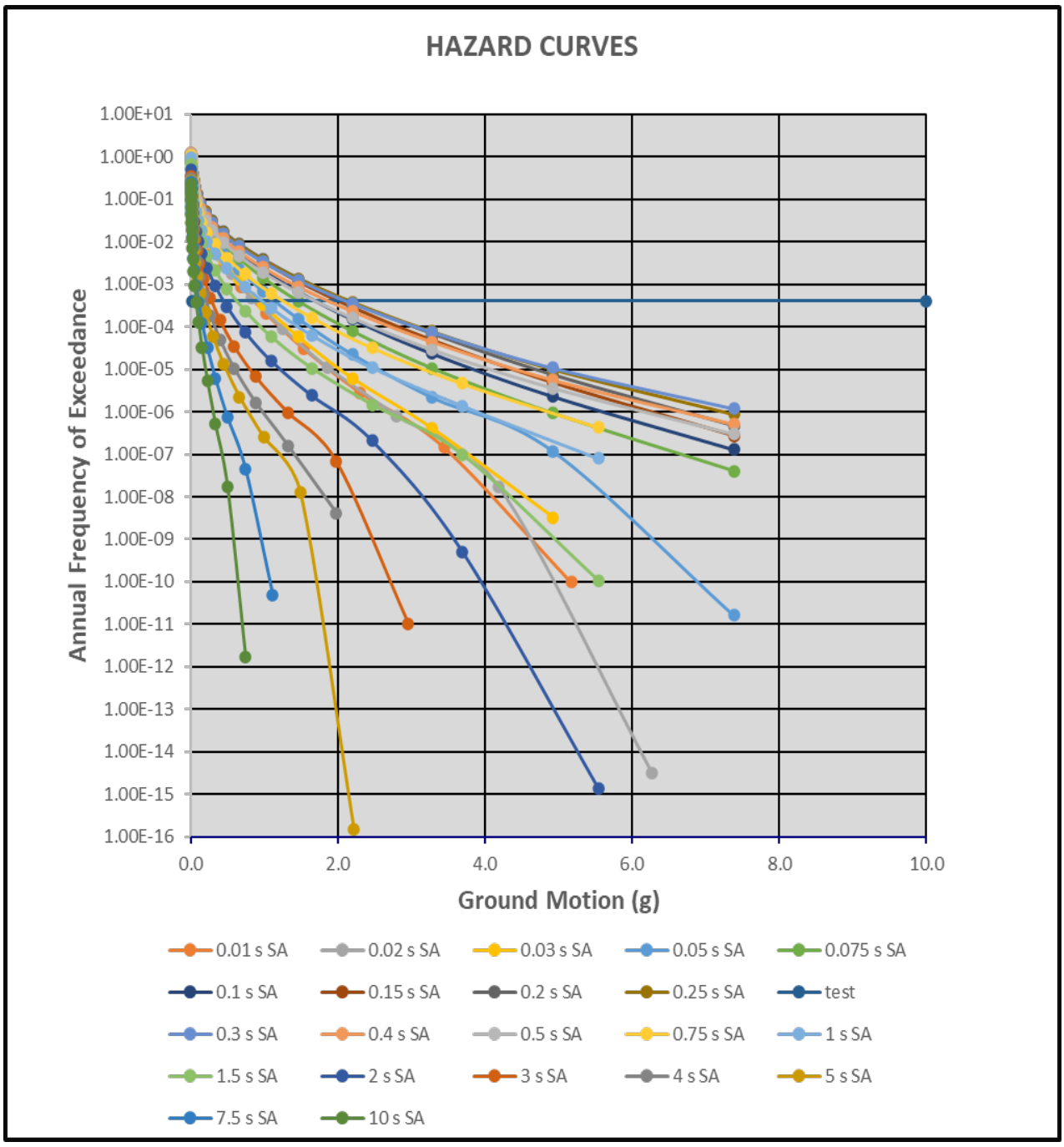
- ***Site Classification (ASCE 7-22 Chapter 20)***-

  Based on the site-specific shear-wave value **1,424.4** fps, the soil profile type used should be Site Class **CD**". This Class is defined as having the upper 100 feet (30 meters) of the subsurface being underlain by "Dense Sand or Very Stiff Clay", with average shear-wave velocities of 1,000 to 1,450 feet/second (ASCE, 2022; Table 20.2-1), as detailed within this appendix.

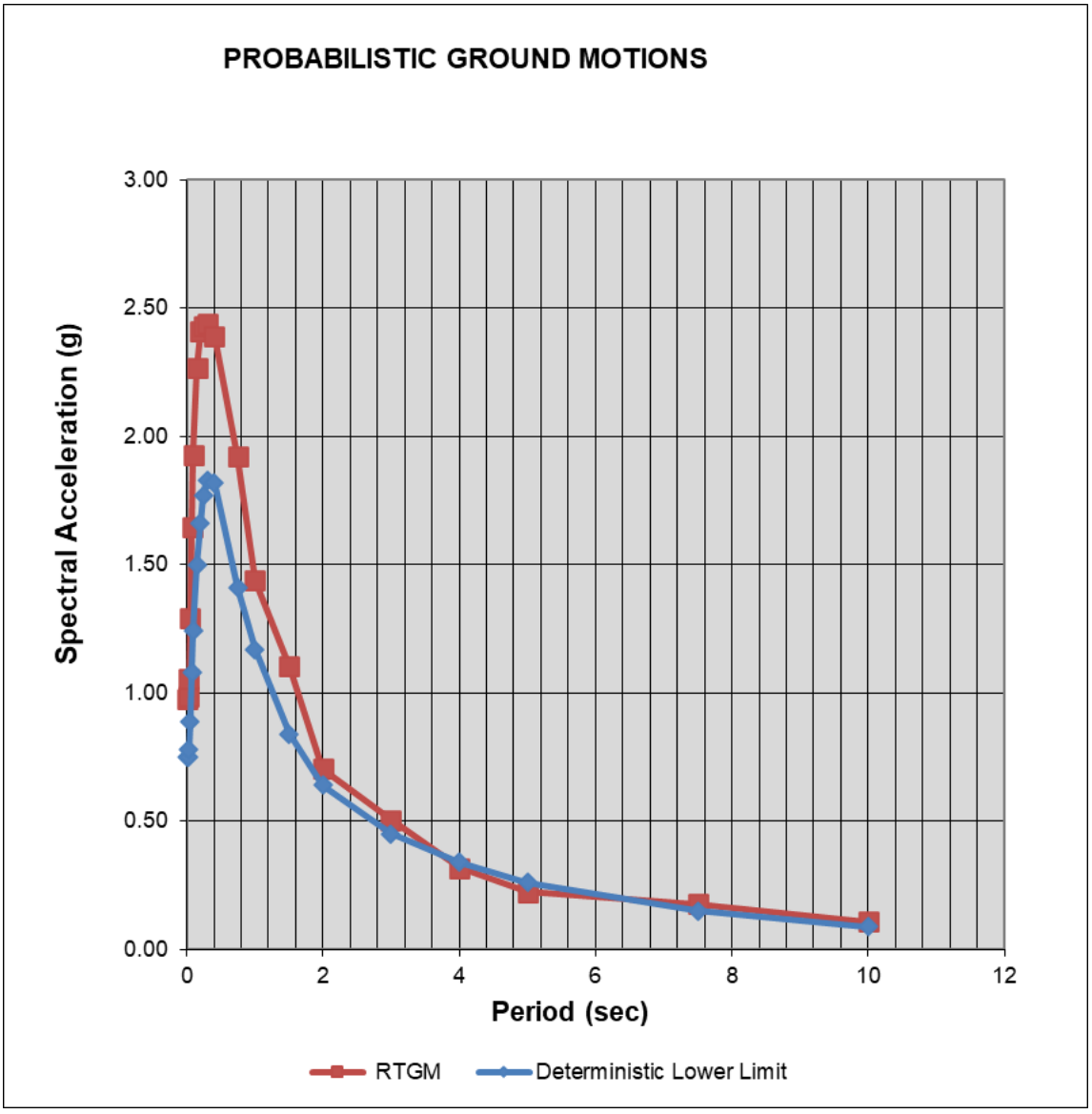
- ***Probabilistic (MCE_R) Ground Motions (ASCE 7-22 Section 21.2.1)***

  The primary output of Probabilistic Seismic Hazard Analysis (PSHA) is a set of hazard curves that illustrate the mean annual frequency of exceeding various user-specified ground motion amplitudes. These were based upon the location of the site (i.e. latitude and longitude), the Site Class and four Next Generation Attenuation West-2 Relationships (2014 NGA). Per Section 21.2.1, the probabilistic MCE spectral accelerations shall be taken as the spectral response accelerations in the direction of maximum response represented by a five percent damped acceleration response spectrum that is expected to achieve a one percent probability of collapse within a 50-year period.

  The probabilistic analysis revealed that nine faults contributed more than 10% of the largest contributors to the seismic analysis. These faults were considered in the deterministic analysis as described further in this report.



The Probabilistic Risk Targeted Response Spectrum was determined as the product of the ordinates of the probabilistic response spectrum and the applicable Risk Coefficient (C_R). The Risk Coefficients were computed using the Risk Targeted Gound Motion Hazard tool developed by the USGS. These values were then modified to create a spectrum based upon the maximum rotated components of ground motion. The resulting MCE_R Response Spectrum is indicated below:



Deterministic Spectral Response Analyses (ASCE 7-22 Section 21.2.2)-

The deterministic MCE_R response acceleration at each period shall be calculated as an 84^{th}-percentile 5 percent damped spectral response acceleration in the direction of maximum horizontal response computed at that period. The largest such acceleration for each period calculated for "Scenario Earthquakes" within the region shall be used. Analyses were conducted using the average of four Next Generation Attenuation West-2 Relations (2014 NGA), including Chiou & Youngs (2014), Abrahamsom et al. (2014), Boore et al. (2014) and Campbell & Bozorgnia (2014).

Disaggregation Analyses of the data derived in the probabilistic analyses were performed to estimate the relative contributions of localized Scenario Earthquakes and is tabulated below.

DISGGREGATION ANALYSES per Section 21.2.2

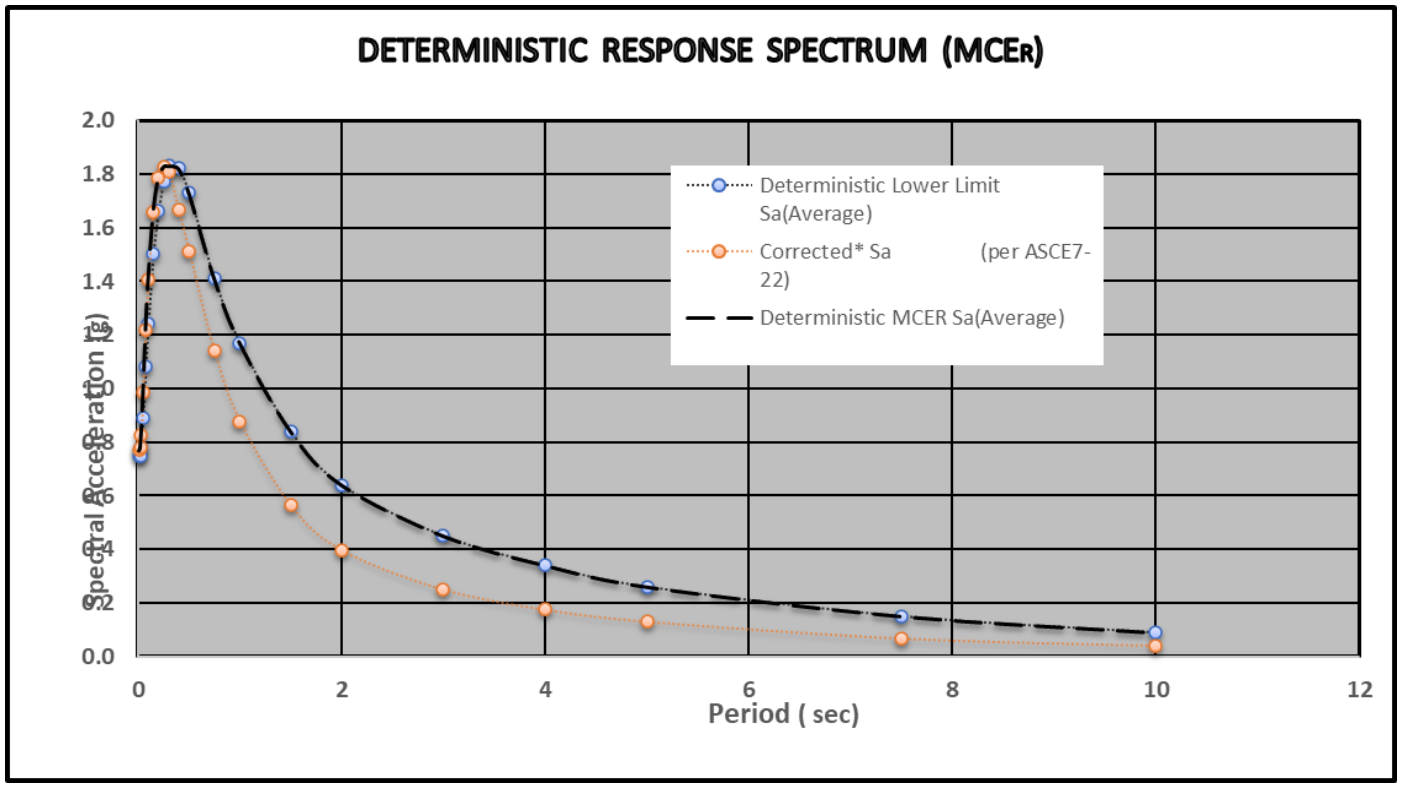
TABLE OF SCENARIO EARTHQUAKES AND HAZARD CONTRIBUTIONS

	Elsinore (Glen Ivy) (0)		Whittier [1] (0)		Chino [1] (4)		San Jacinto (San Bernardino) (3)		Fontana (seismicity) (2)		San Andreas (San Bernardino, north) (3)		Lytle Creek (San Jacinto, connector) (2)		Mill Creek (San Andreas, north branch) (0)		Cucamonga (3)	
Period $T_{(s)}$	M	Contribution	M	Contribution	M	Contribution	M	Contribution	M	Contribution	M	Contribution	M	Contribution	M	Contribution	M	Contribution
0.01	6.5	0.34	7.4	0.25	6.8	0.15	8.1	0.05	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.02	6.5	0.35	7.4	0.25	6.8	0.15	8.1	0.04	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.03	6.5	0.36	7.4	0.25	6.8	0.15	8.1	0.04	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.05	6.5	0.38	7.4	0.23	6.8	0.14	8.1	0.04	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.075	6.5	0.39	7.4	0.21	6.8	0.14	8.1	0.04	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.1	6.5	0.40	7.4	0.21	6.8	0.14	8.1	0.03	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.15	6.5	0.39	7.4	0.21	6.8	0.14	8.1	0.03	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.2	6.5	0.37	7.4	0.22	6.8	0.14	8.1	0.04	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.25	6.5	0.35	7.4	0.23	6.8	0.14	8.1	0.05	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.3	6.5	0.34	7.4	0.23	6.8	0.14	8.1	0.05	6.6	0.04	8.0	0.04	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.4	6.5	0.33	7.4	0.24	6.8	0.14	8.1	0.05	6.6	0.04	8.0	0.04	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.5	6.5	0.32	7.4	0.24	6.8	0.14	8.1	0.06	6.6	0.04	8.0	0.04	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.75	6.5	0.30	7.4	0.25	6.8	0.13	8.1	0.07	6.6	0.04	8.0	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
1	6.5	0.29	7.5	0.25	6.8	0.13	8.1	0.07	6.6	0.04	8.0	0.06	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
1.5	6.6	0.23	7.5	0.26	6.9	0.12	8.1	0.10	6.6	0.04	8.0	0.08	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2	6.6	0.20	7.5	0.26	6.9	0.11	8.1	0.12	6.6	0.03	8.0	0.09	8.1	0.02	#N/A	#N/A	#N/A	#N/A
3	6.7	0.14	7.6	0.26	7.0	0.00	8.1	0.16	6.6	#N/A	8.0	0.12	8.1	0.00	8.1	0.00	7.8	0.00
4	6.8	0.09	7.6	0.26	7.1	0.08	8.1	0.19	#N/A	#N/A	8.0	0.15	8.1	0.04	8.1	0.03	7.8	0.03
5	6.9	0.06	7.6	0.24	7.1	0.07	8.1	0.22	#N/A	#N/A	8.0	0.17	8.1	0.05	8.1	0.04	7.8	0.03
7.5	7.3	0.03	7.6	0.19	7.3	0.04	8.1	0.26	#N/A	#N/A	8.0	0.22	8.1	0.05	8.1	0.05	7.8	0.03
10	#N/A	#N/A	7.6	0.16	7.4	0.03	8.1	0.27	#N/A	#N/A	8.0	0.24	8.1	0.06	8.1	0.05	7.8	0.03
PGA	6.5	0.34	7.4	0.25	6.8	0.15	8.1	0.05	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

Based on our review of regionally mapped faults, their seismic activity levels along with the Fault Section Database within the Uniform California Earthquake Rupture Forecast (UCERF 3; Field et al., 2013) and disaggregation analyses, the nearest significant Scenario Earthquakes are listed in the following table:

Fault	R_{RUP}(km)
Elsinore (Glen Ivy) (0)	10.1
Whittier [1] (0)	8.9
Chino [1] (4)	7.3
San Jacinto (San Bernardino) (3)	30.5
Fontana (seismicity) (2)	7.8
San Andreas (San Bernardino, north) (3)	38.59
Lytle Creek (San Jacinto, connector) (2)	30.16
Mill Creek (San Andreas, north branch) (0)	38.48
Cucamonga (3)	28.45

The Deterministic Response Accelerations were taken as the larger of the acceleration for each period and the Deterministic Lower Limit.



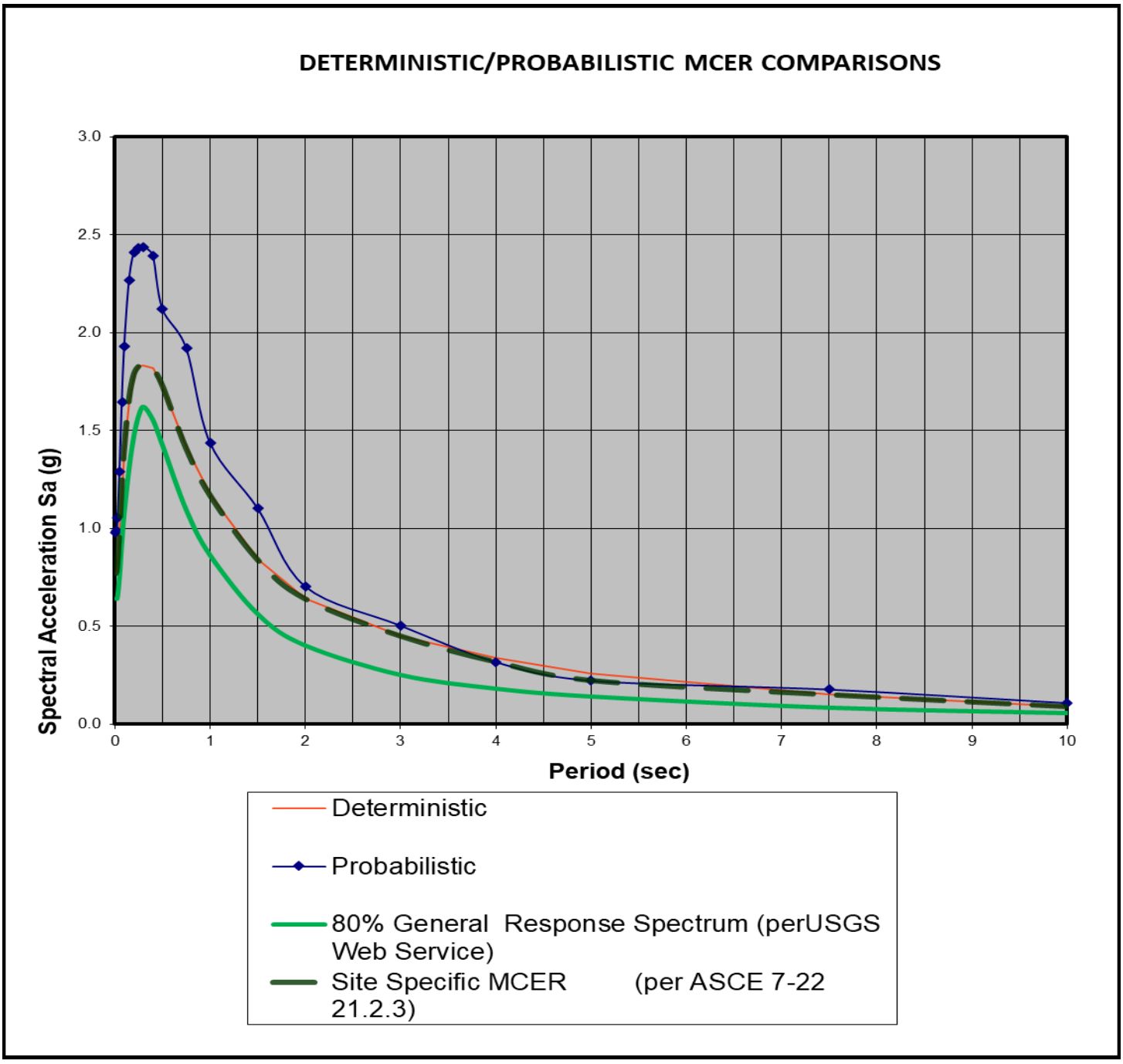
- **Site Specific MCE_R *(ASCE 7-22 Section 21.2.3)*-**

The site-specific MCE_R spectral response acceleration at any period, S_{aM}, shall be taken as the lesser of the spectral response accelerations from the probabilistic ground motions of Section 21.2.1 and the deterministic ground motions of Section 21.2.2. The resulting value must not be less than 80% of the General Response Spectrum obtained from the USGS web service.

Compare Deterministic MCER Values (Sa) with Probabilistic MCER Values (Sa) per 21.2.3)

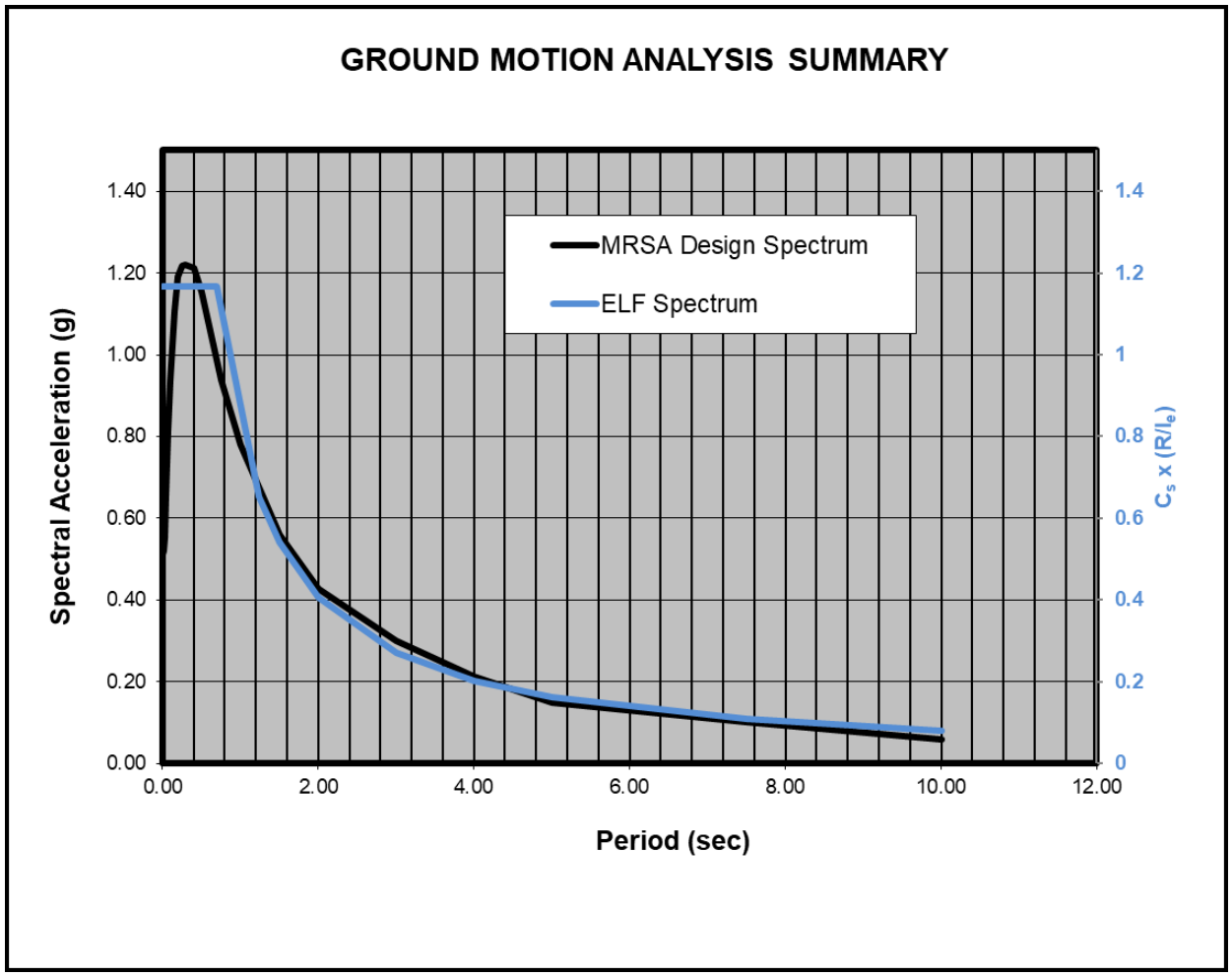
Period	Deterministic	Probabilistic	Lower Value (Site Specific $MCE_{R)}$	Governing Method	80% General Response Spectrum (per USGS web service)	Site Specific MCE_R (per ASCE 7-22 21.2.3)
T	MCE_R	MCE_R				
0.010	0.77	0.98	0.77	Deterministic Governs	0.64	0.77
0.020	0.78	0.99	0.78	Deterministic Governs	0.64	0.78
0.030	0.83	1.05	0.83	Deterministic Governs	0.67	0.83
0.050	0.98	1.29	0.98	Deterministic Governs	0.78	0.98
0.075	1.22	1.65	1.22	Deterministic Governs	0.96	1.22
0.100	1.41	1.93	1.41	Deterministic Governs	1.10	1.41
0.150	1.66	2.27	1.66	Deterministic Governs	1.32	1.66
0.200	1.79	2.41	1.79	Deterministic Governs	1.48	1.79
0.250	1.83	2.43	1.83	Deterministic Governs	1.58	1.83
0.300	1.83	2.44	1.83	Deterministic Governs	1.62	1.83
0.400	1.82	2.39	1.82	Deterministic Governs	1.55	1.82
0.500	1.73	2.12	1.73	Deterministic Governs	1.42	1.73
0.750	1.41	1.92	1.41	Deterministic Governs	1.09	1.41
1.000	1.17	1.44	1.17	Deterministic Governs	0.86	1.17
1.500	0.84	1.10	0.84	Deterministic Governs	0.56	0.84
2.000	0.64	0.70	0.64	Deterministic Governs	0.40	0.64
3.000	0.45	0.50	0.45	Deterministic Governs	0.25	0.45
4.000	0.34	0.32	0.32	Probabilistic Governs	0.18	0.32
5.000	0.26	0.22	0.22	Probabilistic Governs	0.14	0.22
7.500	0.15	0.18	0.15	Deterministic Governs	0.08	0.15
10.000	0.09	0.11	0.09	Deterministic Governs	0.06	0.09

These comparisons are plotted in the following diagram:



- ***Design Response Spectrum (ASCE 7-22 Section 21.3)***-

  In accordance with Section 21.3, the Design Response Spectrum was developed by the following equation: $S_a = 2/3S_{aM}$, where S_{aM} is the MCE_R spectral response acceleration obtained from Section 21.1 or 21.2. These are plotted and compared with 80% of the CBC Spectrum values in the following diagram:



- **Design Acceleration Parameters (ASCE 7-22 Section 21.4)-**

  Where the site-specific procedure is used to determine the design ground motion in accordance with Section 21.3, the parameter S_{DS} shall obtained from the site-specific spectra at a period of 0.2 s, except that it shall not be taken less than 90 percent of the peak spectral acceleration, S_a, at any within the range from 0.2 to 5 seconds. The parameter S_{D1} shall be taken as the greater of the products of Sa * T for periods between 1 and 5 seconds for Site Class **CD**, but not less than 100% of the value of S_a at 1 second. The parameters S_{MS}, and S_{M1} shall be taken as 1.5 times S_{DS} and S_{D1}, respectively.

- **Site Specific Design Parameters -**

  For the 0.2 second period (S_{DS}), a value of 1.17g was computed, based upon the average spectral accelerations. The maximum average acceleration for any period exceeding 0.2 seconds was 1.22g occurring at T=0.25 and 0.30 seconds. This was multiplied by 0.9 to produce the design value of 1.17g. The mapped value from the USGS web service is 1.46g. Eighty percent of this value is 1.17g which is the same value as detailed above, being the applicable design value. A value of 0.81g was calculated for S_{D1}. This equals 90% of the maximum of 0.90g at a period of 3 seconds (ASCE 7-22, 21.4). For the MCE_R 0.2 second period, a value of 1.75g (S_{MS}) was computed, along with a value of 1.22g (S_{M1}) for the MCE_R 1.0 second period. (ASCE 7-22, 21.4).

- **Site-Specific MCE_G Peak Ground Accelerations (ASCE 7-22 Section 21.5)**-

  The probabilistic geometric mean peak ground acceleration (2 percent probability of exceedance within a 50-year period) was calculated as 0.81g. The deterministic geometric mean peak ground acceleration (largest 84th percentile geometric mean peak ground acceleration for scenario earthquakes within the site region) was calculated as 0.76g. The site-specific MCE_G peak ground acceleration was calculated to be **0.76g**, which was determined by using the lesser of the probabilistic (0.81g) or the deterministic (0.76g) geometric mean peak ground accelerations, but not taken as less than 80 percent of PGA_M (i.e., 0.80g x 0.80 = 0.64g).

SEISMIC DESIGN PARAMETERS SUMMARY

Project: Norco Community College
Project #: 254169-1
Date: 10/29/2025

Lattitude: 33.9168
Longitude: -117.5690

MAPPED ACCELERATION PARAMETERS per ASCE 7-22, Chapter 22

S_s=	2.06	Figure 22-1
S_1=	0.65	Figure 22-2

Site Class per Table 20.3-1

Site Class=	CD

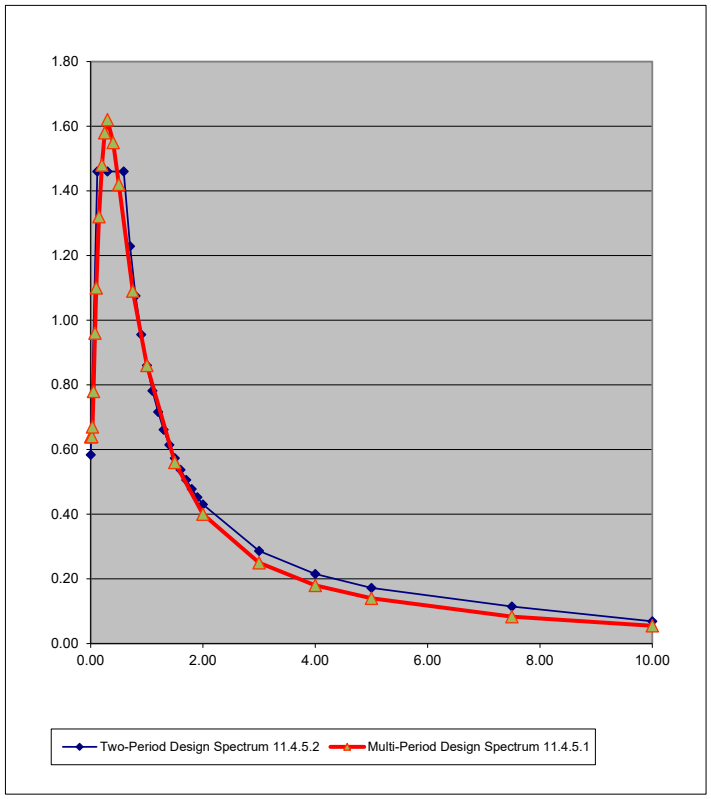
Mapped Design Spectral Response Acceleration Parameters

S_{Ms}=	2.19	Section 11.4-3
S_{M1}=	1.29	Section 11.4-3

S_{DS}=	1.460	Equation 11.4-1
S_{D1}=	0.860	Equation 11.4-2

Period (T)	Two-Period Design Spectrum 11.4.5.2
0.00	0.58
0.12	1.46
0.30	1.46
0.59	1.46
0.70	1.23
0.80	1.08
0.90	0.96
1.00	0.86
1.10	0.78
1.20	0.72
1.30	0.66
1.40	0.61
1.50	0.57
1.60	0.54
1.70	0.51
1.80	0.48
1.90	0.45
2.00	0.43
3.00	0.29
4.00	0.22
5.00	0.17
7.50	0.11
10.00	0.07

Period (T)	Multi-Period Design Spectrum 11.4.5.1
0.00	0.64
0.01	0.64
0.02	0.64
0.03	0.67
0.05	0.78
0.08	0.96
0.10	1.10
0.15	1.32
0.20	1.48
0.25	1.58
0.30	1.62
0.40	1.55
0.50	1.42
0.75	1.09
1.00	0.86
1.50	0.56
2.00	0.40
3.00	0.25
4.00	0.18
5.00	0.14
7.50	0.08
10.00	0.06



T_0=	0.118	sec	ASCE7-22 -Section 11.4.5.2
T_S=	0.589	sec	ASCE7-22 -Section 11.4.5.2
T_L=	8.000	sec	From Fig 22-14 through 22-17
PGA_M	0.800	g	

ASCE 7-22 - RISK-TARGETED MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION ANALYSIS

Use Maximum Rotated Horizontal Component?* (Y/N) **Y**

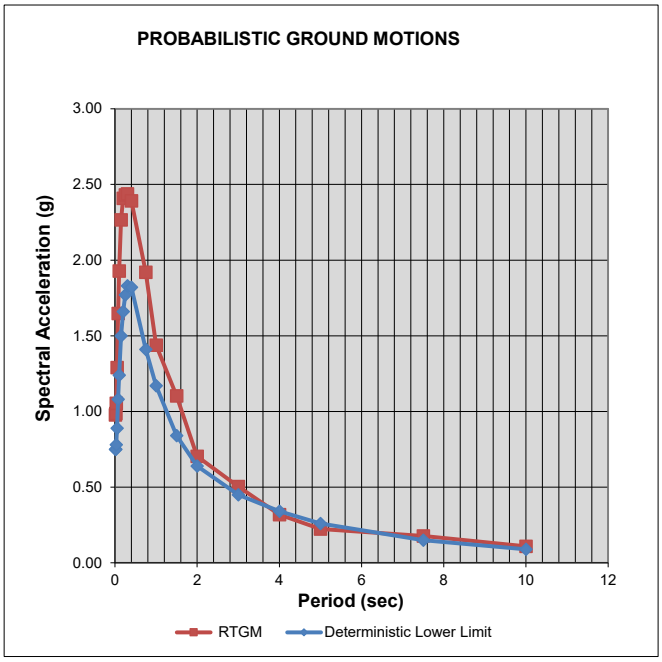
Presented data are the average of Chiou & Youngs (2014), Abrahamson et. al. (2014) , Boore et. al (2014) and Campbell & Bozorgnia (2014) NGA West-2 Relationships
UCERF3 Fault Model 3.1

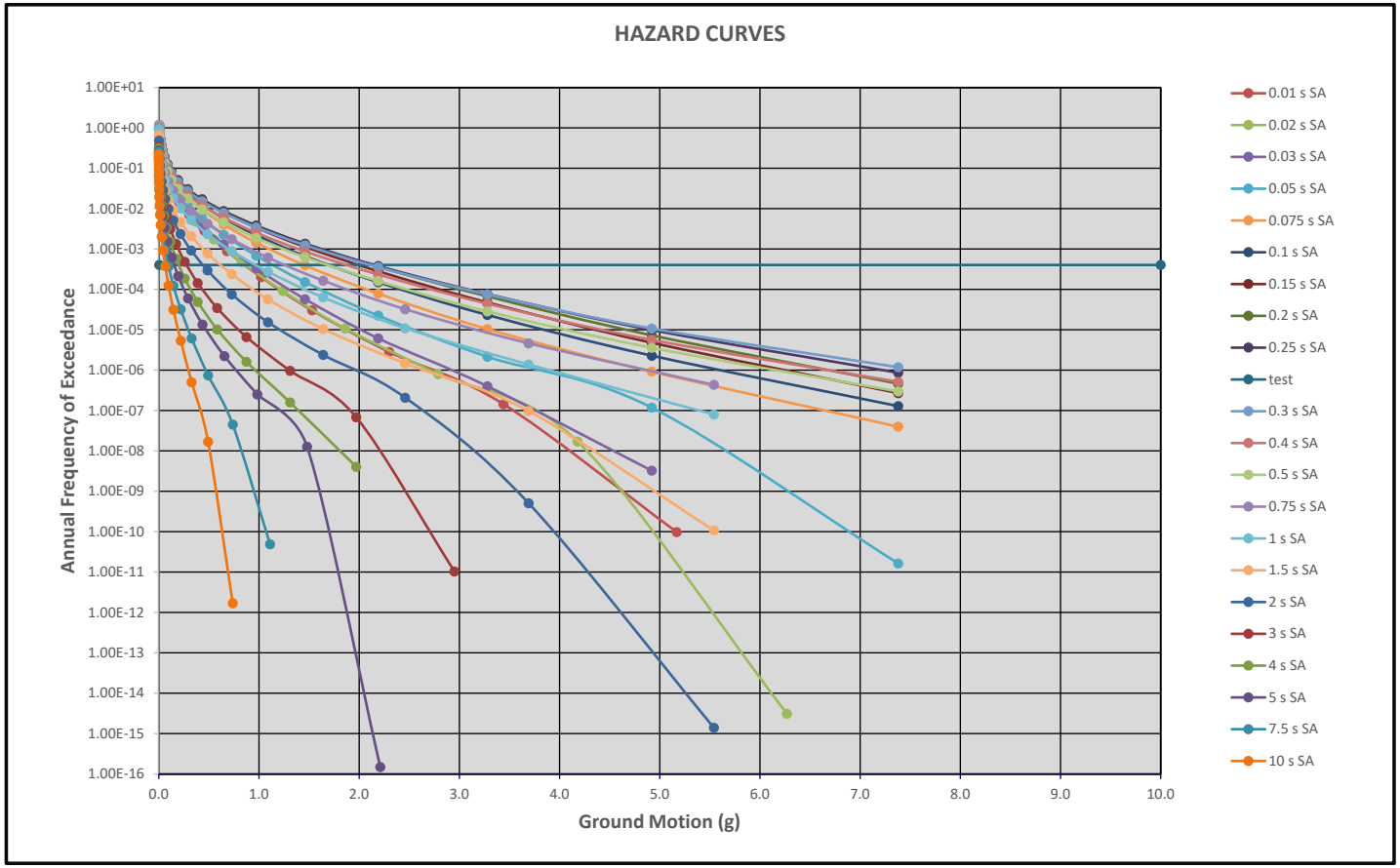
PROBABILISTIC MCER per 21.2.1.1
Risk Coefficients Computed by USGS RTGM Calculator

2% Probability Of Exceedance in 50 years
Maximum Rotated Horizontal Component determined per ASCE7-22

T	UHGM	Risk Coefficient	RTGM	Deterministic Lower Limit	Is RTGM<LL?
0.01	1.01	0.96	0.98	0.75	No
0.02	1.03	0.96	0.99	0.75	No
0.03	1.10	0.96	1.05	0.78	No
0.05	1.35	0.96	1.29	0.89	No
0.08	1.74	0.95	1.65	1.08	No
0.10	2.01	0.96	1.93	1.24	No
0.15	2.37	0.96	2.27	1.50	No
0.20	2.54	0.95	2.41	1.66	No
0.25	2.58	0.99	2.43	1.77	No
0.30	2.59	0.94	2.44	1.83	No
0.40	2.55	0.94	2.39	1.82	No
0.75	2.06	0.93	1.92	1.41	No
1.00	1.55	0.93	1.44	1.17	No
1.50	1.20	0.92	1.10	0.84	No
2.00	0.76	0.92	0.70	0.64	No
3.00	0.55	0.92	0.50	0.45	No
4.00	0.35	0.91	0.32	0.34	Yes
5.00	0.25	0.91	0.22	0.26	Yes
7.50	0.20	0.90	0.18	0.15	No
10.00	0.12	0.89	0.11	0.09	No

S_s=	2.54	2.41
S_1=	1.55	1.44
PGA	0.81 g	




HAZARD CURVES
Annual Frequency of Exceedance
1.00E+01
1.00E+00
1.00E-01
1.00E-02
1.00E-03
1.00E-04
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1.00E-14
1.00E-15
1.00E-16
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
10.0
Ground Motion (g)
0.01 s SA
0.02 s SA
0.03 s SA
0.05 s SA
0.075 s SA
0.1 s SA
0.15 s SA
0.2 s SA
0.25 s SA
test
0.3 s SA
0.4 s SA
0.5 s SA
0.75 s SA
1 s SA
1.5 s SA
2 s SA
3 s SA
4 s SA
5 s SA
7.5 s SA
10 s SA

DISGGREGATION ANALYSES per Section 21.2.2

TABLE OF SCENARIO EARTHQUAKES AND HAZARD CONTRIBUTIONS

	Elsinore (Glen Ivy) (0)		Whittier [1] (0)		Chino [1] (4)		San Jacinto (San Bernardino) (3)		Fontana (seismicity) (2)		San Andreas (San Bernardino, north) (3)		Lytle Creek (San Jacinto, connector) (2)		Mill Creek (San Andreas, north branch) (0)		Cucamonga (3)	
Period $T_{(s)}$	#REF!	#REF!	M	#REF!	M	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
0.01	6.5	0.34	7.4	0.25	6.8	0.15	8.1	0.05	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.02	6.5	0.35	7.4	0.25	6.8	0.15	8.1	0.04	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.03	6.5	0.36	7.4	0.25	6.8	0.15	8.1	0.04	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.05	6.5	0.38	7.4	0.23	6.8	0.14	8.1	0.04	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.075	6.5	0.39	7.4	0.21	6.8	0.14	8.1	0.04	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.1	6.5	0.40	7.4	0.21	6.8	0.14	8.1	0.03	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.15	6.5	0.39	7.4	0.21	6.8	0.14	8.1	0.03	6.6	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.2	6.5	0.37	7.4	0.22	6.8	0.14	8.1	0.04	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.25	6.5	0.35	7.4	0.23	6.8	0.14	8.1	0.05	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.3	6.5	0.34	7.4	0.23	6.8	0.14	8.1	0.05	6.6	0.04	8.0	0.04	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.4	6.5	0.33	7.4	0.24	6.8	0.14	8.1	0.05	6.6	0.04	8.0	0.04	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.5	6.5	0.32	7.4	0.24	6.8	0.14	8.1	0.06	6.6	0.04	8.0	0.04	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
0.75	6.5	0.30	7.4	0.25	6.8	0.13	8.1	0.07	6.6	0.04	8.0	0.05	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
1	6.5	0.29	7.5	0.25	6.8	0.13	8.1	0.07	6.6	0.04	8.0	0.06	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
1.5	6.6	0.23	7.5	0.26	6.9	0.12	8.1	0.10	6.6	0.04	8.0	0.08	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2	6.6	0.20	7.5	0.26	6.9	0.11	8.1	0.12	6.6	0.03	8.0	0.09	8.1	0.02	#N/A	#N/A	#N/A	#N/A
3	6.7	0.14	7.6	0.26	7.0	0.00	8.1	0.16	6.6	#N/A	8.0	0.12	8.1	0.00	8.1	0.00	7.8	0.00
4	6.8	0.09	7.6	0.26	7.1	0.08	8.1	0.19	#N/A	#N/A	8.0	0.15	8.1	0.04	8.1	0.03	7.8	0.03
5	6.9	0.06	7.6	0.24	7.1	0.07	8.1	0.22	#N/A	#N/A	8.0	0.17	8.1	0.05	8.1	0.04	7.8	0.03
7.5	7.3	0.03	7.6	0.19	7.3	0.04	8.1	0.26	#N/A	#N/A	8.0	0.22	8.1	0.05	8.1	0.05	7.8	0.03
10	#N/A	#N/A	7.6	0.16	7.4	0.03	8.1	0.27	#N/A	#N/A	8.0	0.24	8.1	0.06	8.1	0.05	7.8	0.03
PGA	6.5	0.34	7.4	0.25	6.8	0.15	8.1	0.05	6.6	0.05	8.0	0.03	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

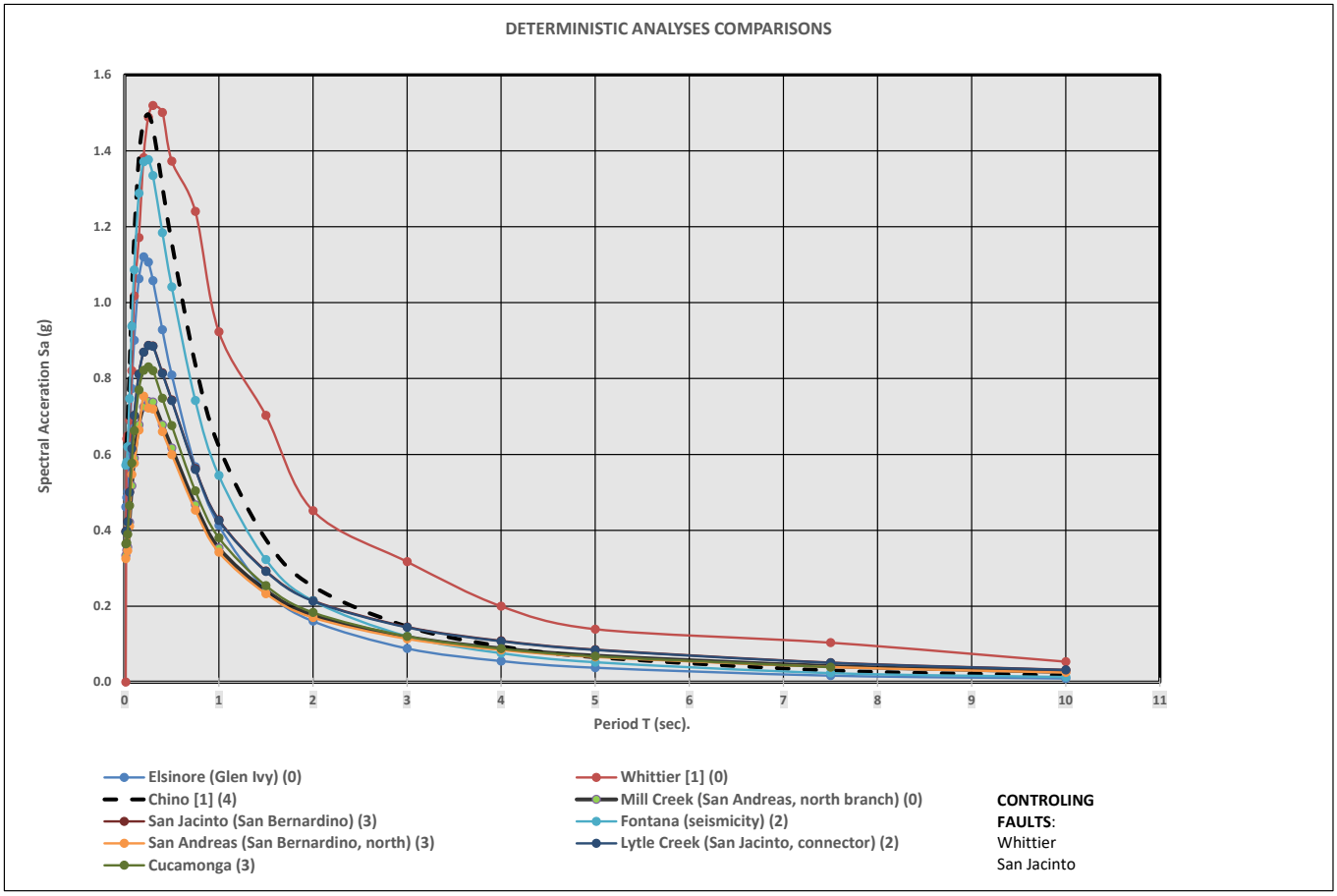
Fault	R_{RUP}(km)
Elsinore (Glen Ivy) (0)	10.1
Whittier [1] (0)	8.9
Chino [1] (4)	7.3
San Jacinto (San Bernar	30.5
Fontana (seismicity) (2)	7.8
San Andreas (San Berna	38.59
Lytle Creek (San Jacinto,	30.16
Mill Creek (San Andreas,	38.48
Cucamonga (3)	28.45

The Probabilistic Analyses revealed 9 faults contributing more than 10% of the largest contributor to the seismic hazard. These were considered in the Deterministic Analyses.

DETERMINISTIC MCE_R per 21.2.2

Input Parameters:

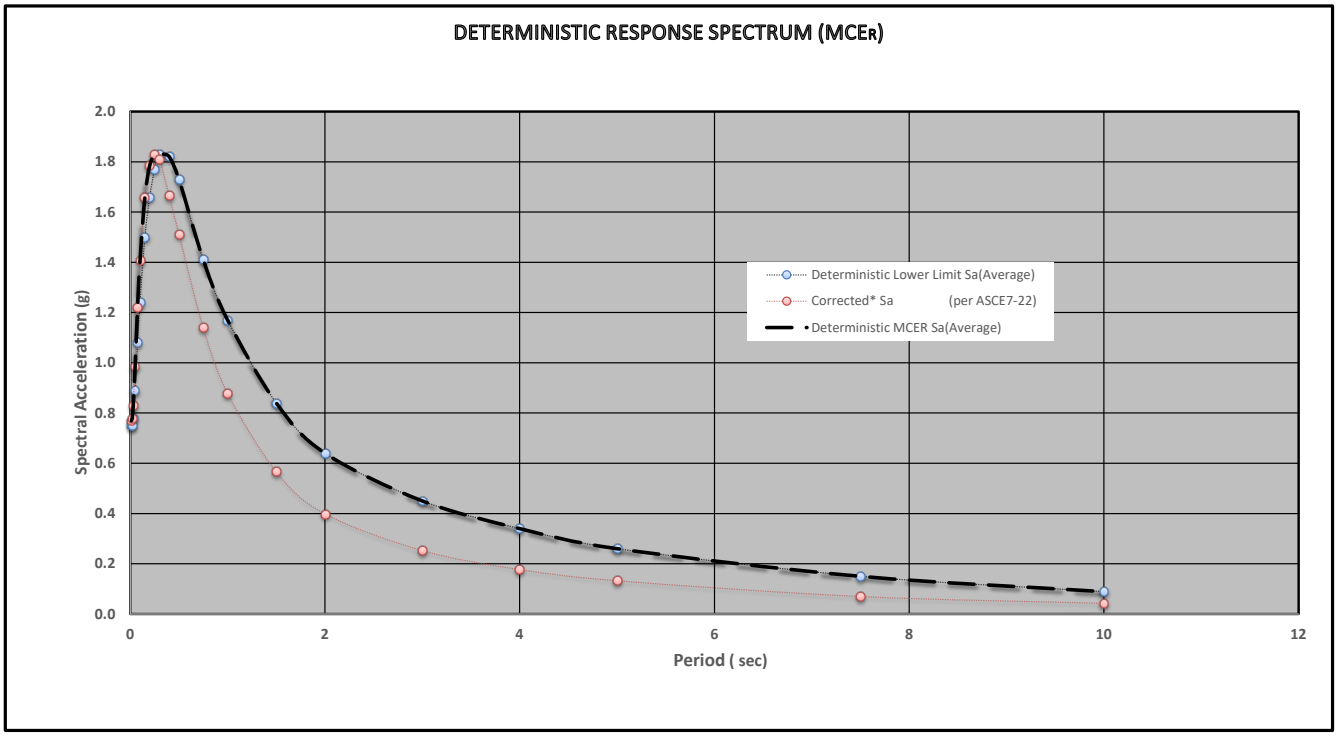
Input Parameters / Fault	Elsinore (Glen Ivy) (0)	Whittier [1] (0)	Chino [1] (4)	San Jacinto (San Bernardino) (3)	Fontana (seismicity) (2)	San Andreas (San Bernardino, north) (3)	Lytle Creek (San Jacinto, connector) (2)	Mill Creek (San Andreas, north branch) (0)	Cucamonga (3)
M	6.49	7.39	6.79	8.1	6.61	8.0	8.1	8.1	7.8
R_{RUP}	10.05	8.87	7.25	30.45	7.8	38.6	30.2	38.5	28.5
R_{JB}	10.05	8.87	7.25	30.45	7.8	38.6	30.2	38.5	28.5
Rx	10.05	8.87	7.25	30.45	7.8	38.6	30.2	38.5	28.5
R_{y0}	0	0	0	0	6.4	0.0	0.0	0.0	0.0
U	0	0	0	0	0	0	0	0	0
F_{RV}	0	0	0	0	0	0	0	0	0
F_{NM}	0	0	0	0	0	0	0	0	0
F_{HW}	0	0	0	0	0	0	0	0	0
Z_{TOR}	0	0	0	0	0	0.0	0.0	0.0	0.0
δ	90	70	55	90	80	90	90	76	45
V_{S30}	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
$F_{Measured}$	1	1	1	0	0	0.0	0.0	0.0	0.0
$Z_{1.0}$	0.15	0.15	0.15	0.15	0.15	0.07	0.07	0.07	0.07
$Z_{2.5}$	0.35	0.35	0.35	0.35	0.35	0.4	0.4	0.4	0.4
Site Class	CD	CD	CD	CD	CD	CD	CD	CD	CD
W (km)	15.0	13.2	14.8	16.1	16.6	12.8	16.1	18.8	18.4
F_{AS}	0	0	0	0	0	0	0	0	0
σ	1	1	1	1	1	1	1	1	1



Deterministic Summary - Section 21.2.2

T	Elsinore (Glen Ivy) (0)	Whittier [1] (0)	Chino [1] (4)	San Jacinto (San Bernardino) (3)	Fontana (seismicity) (2)	San Andreas (San Bernardino, north) (3)	Lytle Creek (San Jacinto, connector) (2)	Mill Creek (San Andreas, north branch) (0)	Cucamonga (3)	Maximum S_a (Average)	*Corrected* S_a (per ASCE7-22)*	*Deterministic Lower Limit $S_{a(Average)}$*	*Deterministic MCE_R $S_{a(Average)}$*	Controlling Fault
0.010	0.46	0.64	0.62	0.40	0.57	0.33	0.40	0.33	0.36	0.64	0.77	0.75	0.77	Whittier [1] (0)
0.020	0.49	0.65	0.63	0.40	0.58	0.39	0.40	0.35	0.37	0.65	0.78	0.75	0.78	Whittier [1] (0)
0.030	0.50	0.69	0.68	0.42	0.62	0.35	0.42	0.36	0.39	0.69	0.83	0.78	0.83	Whittier [1] (0)
0.050	0.61	0.82	0.81	0.50	0.75	0.41	0.50	0.42	0.47	0.82	0.98	0.89	0.98	Whittier [1] (0)
0.075	0.77	1.02	1.01	0.62	0.94	0.55	0.62	0.52	0.58	1.02	1.22	1.08	1.22	Whittier [1] (0)
0.100	0.90	1.17	1.17	0.70	1.09	0.58	0.70	0.59	0.66	1.17	1.41	1.24	1.41	Whittier [1] (0)
0.150	1.06	1.38	1.38	0.81	1.29	0.66	0.81	0.68	0.77	1.38	1.66	1.50	1.66	Whittier [1] (0)
0.200	1.12	1.49	1.48	0.87	1.37	0.75	0.87	0.72	0.82	1.49	1.79	1.66	1.79	Whittier [1] (0)
0.250	1.11	1.52	1.50	0.89	1.38	0.72	0.89	0.74	0.83	1.52	1.83	1.77	1.83	Whittier [1] (0)
0.300	1.06	1.50	1.46	0.89	1.33	0.72	0.88	0.74	0.82	1.50	1.81	1.83	1.83	Whittier [1] (0)
0.400	0.93	1.37	1.31	0.82	1.18	0.66	0.81	0.68	0.75	1.37	1.66	1.82	1.82	Whittier [1] (0)
0.500	0.81	1.24	1.16	0.74	1.04	0.60	0.74	0.62	0.68	1.24	1.51	1.73	1.73	Whittier [1] (0)
0.750	0.57	0.92	0.84	0.56	0.74	0.45	0.56	0.47	0.50	0.92	1.14	1.41	1.41	Whittier [1] (0)
1.000	0.41	0.70	0.62	0.43	0.54	0.34	0.43	0.35	0.38	0.70	0.88	1.17	1.17	Whittier [1] (0)
1.500	0.24	0.45	0.38	0.29	0.32	0.23	0.29	0.24	0.25	0.45	0.57	0.84	0.84	Whittier [1] (0)
2.000	0.16	0.32	0.25	0.22	0.21	0.17	0.21	0.18	0.18	0.32	0.40	0.64	0.64	Whittier [1] (0)
3.000	0.09	0.20	0.15	0.15	0.12	0.11	0.14	0.12	0.12	0.20	0.25	0.45	0.45	Whittier [1] (0)
4.000	0.06	0.14	0.09	0.11	0.08	0.08	0.11	0.09	0.09	0.14	0.18	0.34	0.34	Whittier [1] (0)
5.000	0.04	0.10	0.07	0.09	0.05	0.07	0.08	0.07	0.07	0.10	0.13	0.26	0.26	Whittier [1] (0)
7.500	0.02	0.05	0.03	0.05	0.02	0.04	0.05	0.04	0.04	0.05	0.07	0.15	0.15	Whittier [1] (0)
10.000	0.01	0.03	0.02	0.03	0.01	0.03	0.03	0.03	0.02	0.03	0.04	0.09	0.09	San Jacinto
PGA	0.46	0.64	0.62	0.40	0.57	0.32	0.39	0.33	0.36	0.64	0.76	0.56	0.76	Whittier [1] (0)

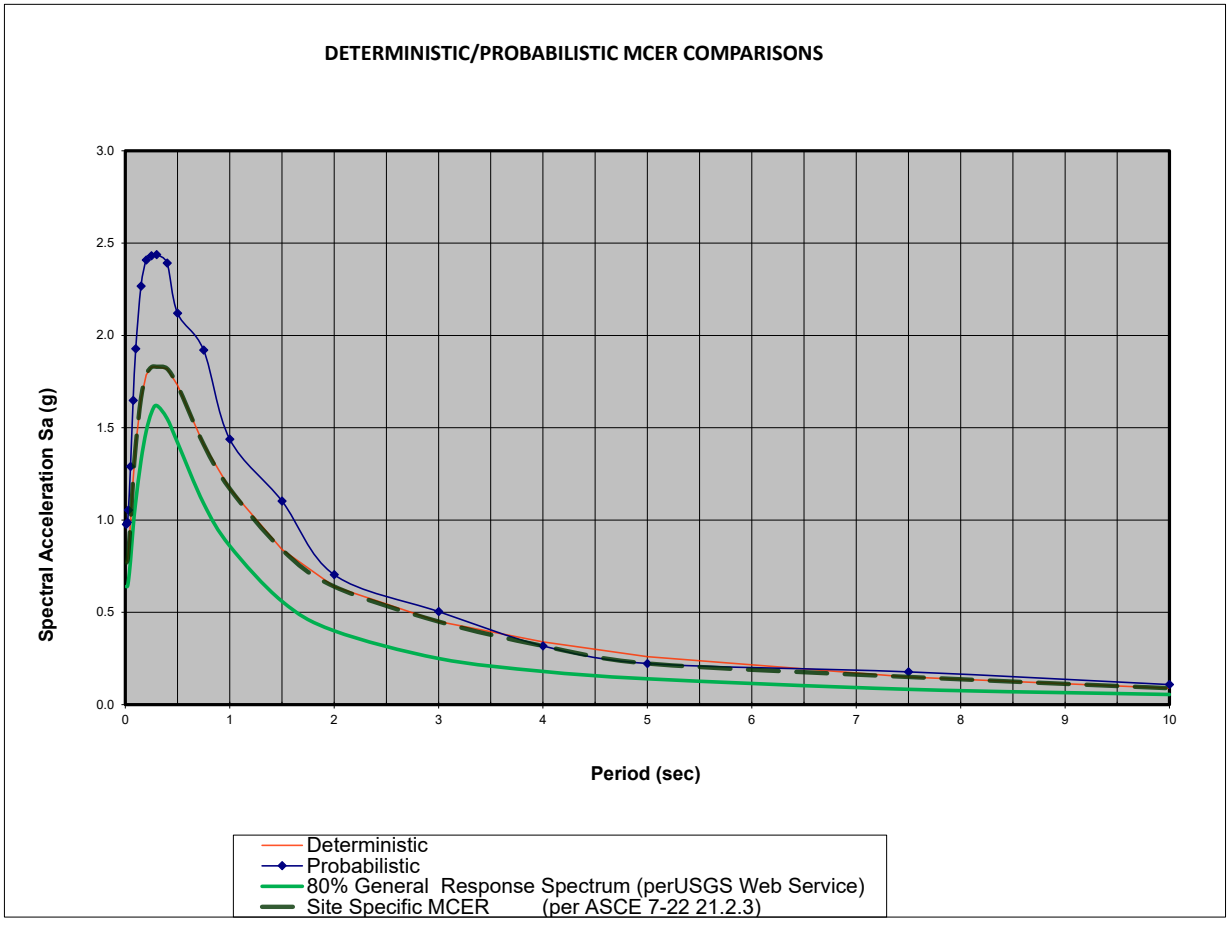
* Correction is the adjustment for Maximum Rotated Value if Applicable



SITE SPECIFIC MCE_R - Compare Deterministic MCE_R Values (S_a) with Probabilistic MCE_R Values (S_a) per 21.2.3

Presented data are the average of Chiou & Youngs (2014), Abrahamson et. al. (2014) , Boore et. al (2014) and Campbell & Bozorgnia (2014) NGA West-2 Relationships

Period T	Deterministic MCE_R	Probabilistic MCE_R	Lower Value (Site Specific $MCE_{R)}$	Governing Method	80% General Response Spectrum (perUSGS Web Service)	Site Specific MCE_R (per ASCE 7-22 21.2.3)
0.010	0.77	0.98	0.77	Deterministic Governs	0.64	0.77
0.020	0.78	0.99	0.78	Deterministic Governs	0.64	0.78
0.030	0.83	1.05	0.83	Deterministic Governs	0.67	0.83
0.050	0.98	1.29	0.98	Deterministic Governs	0.78	0.98
0.075	1.22	1.65	1.22	Deterministic Governs	0.96	1.22
0.100	1.41	1.93	1.41	Deterministic Governs	1.10	1.41
0.150	1.66	2.27	1.66	Deterministic Governs	1.32	1.66
0.200	1.79	2.41	1.79	Deterministic Governs	1.48	1.79
0.250	1.83	2.43	1.83	Deterministic Governs	1.58	1.83
0.300	1.83	2.44	1.83	Deterministic Governs	1.62	1.83
0.400	1.82	2.39	1.82	Deterministic Governs	1.55	1.82
0.500	1.73	2.12	1.73	Deterministic Governs	1.42	1.73
0.750	1.41	1.92	1.41	Deterministic Governs	1.09	1.41
1.000	1.17	1.44	1.17	Deterministic Governs	0.86	1.17
1.500	0.84	1.10	0.84	Deterministic Governs	0.56	0.84
2.000	0.64	0.70	0.64	Deterministic Governs	0.40	0.64
3.000	0.45	0.50	0.45	Deterministic Governs	0.25	0.45
4.000	0.34	0.32	0.32	ProbabilisticGoverns	0.18	0.32
5.000	0.26	0.22	0.22	ProbabilisticGoverns	0.14	0.22
7.500	0.15	0.18	0.15	Deterministic Governs	0.08	0.15
10.000	0.09	0.11	0.09	Deterministic Governs	0.06	0.09



DESIGN ACCELERATION PARAMETERS per Section 21.4 (MRSA)

Period	Design Response Spectrum (2/3*MCE_R per ASCE7-	TXSa
0.01	0.51	
0.02	0.52	
0.03	0.55	
0.05	0.66	
0.08	0.81	
0.10	0.94	
0.15	1.11	
0.20	1.19	
0.25	1.22	
0.30	1.22	
0.40	1.21	
0.50	1.15	
0.75	0.94	
1.00	0.78	0.78
1.50	0.56	0.84
2.00	0.43	0.85
3.00	0.30	0.90
4.00	0.21	0.85
5.00	0.15	0.74
7.50	0.10	
10.00	0.06	

Design Acceleration Parameters per Section 21.4:

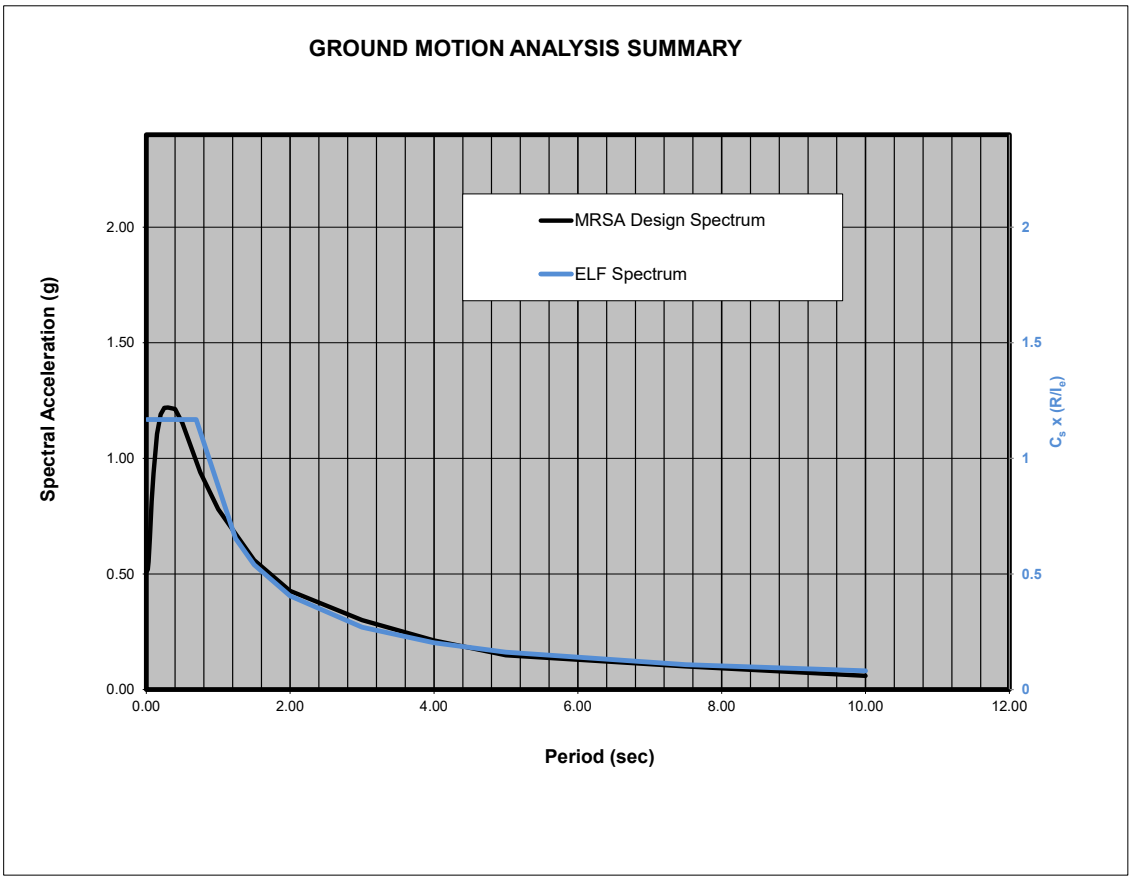
Highest value of S_a for any period exceeding 0.2 sec.=	1.22
90%of Highest Value =	1.10
80% 0f Mapped S_{DS}=	1.17
Max TXsa from T=1s-5s =	0.90
90% 0f Max TxSa =	0.81

S_{DS}=	1.17
S_{D1}=	0.81
Ts =	0.69

S_{MS}=	1.75
S_{M1}=	1.22

PGA Determination:

PGA_M =	0.80	g
PGA_G =	0.56	g (Table 21-2-1)
Deterministic PGA =	0.76	g
Probabilistic PGA =	0.81	g
Lesser of Deterministic/Probabilistic =	0.76	g
80% of PGA_M=	0.64	g
MCE_G PGA=	0.76	g



Deterministic Controls

APPENDIX C

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REFERENCES

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APPENDIX E

GENERAL EARTHWORK GRADING GUIDELINES

Proposed Library Learning Resource Center and Student Services Building
Norco College
Norco, Riverside County, California
Project No. 4400-CR

GEOTEK

GENERAL GRADING GUIDELINES

The guidelines presented herein are intended to address general construction procedures for earthwork construction. Specific situations and conditions often arise which cannot reasonably be discussed in general guidelines, when anticipated these are discussed in the text of the report. Often unanticipated conditions are encountered which may necessitate modification or changes to these guidelines. It is our hope that these will assist the contractor to more efficiently complete the project by providing a reasonable understanding of the procedures that would be expected during earthwork and the testing and observation used to evaluate those procedures.

General

Grading should be performed to at least the minimum requirements of governing agencies, Chapters 18 and 33 of the Uniform Building Code, CBC and the guidelines presented below.

Preconstruction Meeting

A preconstruction meeting should be held prior to site earthwork. Any questions the contractor has regarding our recommendations, general site conditions, and apparent discrepancies between reported and actual conditions and/or differences in procedures the contractor intends to use should be brought up at that meeting. The contractor (including the main onsite representative) should review our report and these guidelines in advance of the meeting. Any comments the contractor may have regarding these guidelines should be brought up at that meeting.

Grading Observation and Testing

1. Observation of the fill placement should be provided by our representative during grading. Verbal communication during the course of each day will be used to inform the contractor of test results. The contractor should receive a copy of the "Daily Field Report" indicating results of field density tests that day. If our representative does not provide the contractor with these reports, our office should be notified.
2. Testing and observation procedures are, by their nature, specific to the work or area observed and location of the tests taken, variability may occur in other locations. The contractor is responsible for the uniformity of the grading operations; our observations and test results are intended to evaluate the contractor's overall level of efforts during grading. The contractor's personnel are the only individuals participating in all aspects of site work. Compaction testing and observation should not be considered as relieving the contractor's responsibility to properly compact the fill.
3. Cleanouts, processed ground to receive fill, key excavations, and subdrains should be observed by our representative prior to placing any fill. It will be the contractor's responsibility to notify our representative or office when such areas are ready for observation.

4. Density tests may be made on the surface material to receive fill, as considered warranted by this firm.

5. In general, density tests would be made at maximum intervals of two feet of fill height or every 1,000 cubic yards of fill placed. Criteria will vary depending on soil conditions and size of the fill. More frequent testing may be performed. In any case, an adequate number of field density tests should be made to evaluate the required compaction and moisture content is generally being obtained.

6. Laboratory testing to support field test procedures will be performed, as considered warranted, based on conditions encountered (e.g., change of material sources, types, etc.) Every effort will be made to process samples in the laboratory as quickly as possible and in progress construction projects are our first priority. However, laboratory workloads may cause delays and some soils may require a **minimum of 48 to 72 hours to complete test procedures**. Whenever possible, our representative(s) should be informed in advance of operational changes that might result in different source areas for materials.

7. Procedures for testing of fill slopes are as follows:

   a) Density tests should be taken periodically during grading on the flat surface of the fill, three to five feet horizontally from the face of the slope.

   b) If a method other than over building and cutting back to the compacted core is to be employed, slope compaction testing during construction should include testing the outer six inches to three feet in the slope face to determine if the required compaction is being achieved.

8. Finish grade testing of slopes and pad surfaces should be performed after construction is complete.

Site Clearing

1. All vegetation, and other deleterious materials, should be removed from the site. If material is not immediately removed from the site, it should be stockpiled in a designated area(s) well outside of all current work areas and delineated with flagging or other means. Site clearing should be performed in advance of any grading in a specific area.

2. Efforts should be made by the contractor to remove all organic or other deleterious material from the fill, as even the most diligent efforts may result in the incorporation of some materials. This is especially important when grading is occurring near the natural grade. All equipment operators should be aware of these efforts. Laborers may be required as root pickers.

3. Nonorganic debris or concrete may be placed in deeper fill areas provided the procedures used are observed and found acceptable by our representative. Typical procedures are similar to those indicated on Plate G-4.

Treatment of Existing Ground

1. Following site clearing, all surficial deposits of alluvium and colluvium as well as weathered or creep effected bedrock, should be removed (see Plates E-1, E-2 and E-3) unless otherwise specifically indicated in the text of this report.
2. In some cases, removal may be recommended to a specified depth (e.g., flat sites where partial alluvial removals may be sufficient). The contractor should not exceed these depths unless directed otherwise by our representative.
3. Groundwater existing in alluvial areas may make excavation difficult. Deeper removals than indicated in the text of the report may be necessary due to saturation during winter months.
4. Subsequent to removals, the natural ground should be processed to a depth of six inches, moistened to near optimum moisture conditions and compacted to fill standards.
5. Exploratory backhoe or dozer trenches still remaining after site removal should be excavated and filled with compacted fill if they can be located.

Subdrainage

1. Subdrainage systems should be provided in canyon bottoms prior to placing fill, and behind buttress and stabilization fills and in other areas indicated in the report. Subdrains should conform to Plates E-1 and E-5, and be acceptable to our representative.
2. For canyon subdrains, runs less than 500 feet may use six-inch pipe. Typically, runs in excess of 500 feet should have the lower end as eight-inch minimum.
3. Filter material should be clean, 1/2 to 1-inch gravel wrapped in a suitable filter fabric. Class 2 permeable filter material per California Department of Transportation Standards tested by this office to verify its suitability, may be used without filter fabric. A sample of the material should be provided to the Soils Engineer by the contractor at least two working days before it is delivered to the site. The filter should be clean with a wide range of sizes.
4. Approximate delineation of anticipated subdrain locations may be offered at 40-scale plan review stage. During grading, this office would evaluate the necessity of placing additional drains.
5. All subdrainage systems should be observed by our representative during construction and prior to covering with compacted fill.
6. Subdrains should outlet into storm drains where possible. Outlets should be located and protected. The need for backflow preventers should be assessed during construction.
7. Consideration should be given to having subdrains located by the project surveyors.

Fill Placement

1. Unless otherwise indicated, all site soil and bedrock may be reused for compacted fill; however, some special processing or handling may be required (see text of report).

2. Material used in the compacting process should be evenly spread, moisture conditioned, processed, and compacted in thin lifts six (6) to eight (8) inches in compacted thickness to obtain a uniformly dense layer. The fill should be placed and compacted on a nearly horizontal plane, unless otherwise found acceptable by our representative.
3. If the moisture content or relative density varies from that recommended by this firm, the contractor should rework the fill until it is in accordance with the following:
    a) Moisture content of the fill should be at or above optimum moisture. Moisture should be evenly distributed without wet and dry pockets. Pre-watering of cut or removal areas should be considered in addition to watering during fill placement, particularly in clay or dry surficial soils. The ability of the contractor to obtain the proper moisture content will control production rates.
    b) Each six-inch layer should be compacted to at least 90 percent of the maximum dry density in compliance with the testing method specified by the controlling governmental agency. In most cases, the testing method is ASTM Test Designation D 1557.
4. Rock fragments less than eight inches in diameter may be utilized in the fill, provided:
    a) They are not placed in concentrated pockets;
    b) There is a sufficient percentage of fine-grained material to surround the rocks;
    c) The distribution of the rocks is observed by, and acceptable to, our representative.
5. Rocks exceeding eight (8) inches in diameter should be taken off site, broken into smaller fragments, or placed in accordance with recommendations of this firm in areas designated suitable for rock disposal (see Plate E-4). On projects where significant large quantities of oversized materials are anticipated, alternate guidelines for placement may be included. If significant oversize materials are encountered during construction, these guidelines should be requested.
6. In clay soil, dry or large chunks or blocks are common. If in excess of eight (8) inches minimum dimension, then they are considered as oversized. Sheepsfoot compactors or other suitable methods should be used to break up blocks. When dry, they should be moisture conditioned to provide a uniform condition with the surrounding fill.

Slope Construction

1. The contractor should obtain a minimum relative compaction of 90 percent out to the finished slope face of fill slopes. This may be achieved by either overbuilding the slope and cutting back to the compacted core, or by direct compaction of the slope face with suitable equipment.
2. Slopes trimmed to the compacted core should be overbuilt by at least three (3) feet with compaction efforts out to the edge of the false slope. Failure to properly compact the outer edge results in trimming not exposing the compacted core and additional compaction after trimming may be necessary.

3. If fill slopes are built "at grade" using direct compaction methods, then the slope construction should be performed so that a constant gradient is maintained throughout construction. Soil should not be "spilled" over the slope face nor should slopes be "pushed out" to obtain grades. Compaction equipment should compact each lift along the immediate top of slope. Slopes should be back rolled or otherwise compacted at approximately every four (4) feet vertically as the slope is built.
4. Corners and bends in slopes should have special attention during construction as these are the most difficult areas to obtain proper compaction.
5. Cut slopes should be cut to the finished surface. Excessive undercutting and smoothing of the face with fill may necessitate stabilization.

Keyways, Buttress and Stabilization Fills

Keyways are needed to provide support for fill slope and various corrective procedures.

1. Side-hill fills should have an equipment-width key at their toe excavated through all surficial soil and into competent material and tilted back into the hill (Plates E-2, E-3). As the fill is elevated, it should be benched through surficial soil and slopewash, and into competent bedrock or other material deemed suitable by our representatives (See Plates E-1, E-2, and E-3).
2. Fill over cut slopes should be constructed in the following manner:
   a) All surficial soils and weathered rock materials should be removed at the cut-fill interface.
   b) A key at least one and one-half (1.5) equipment width wide (or as needed for compaction) and tipped at least one (1) foot into slope, should be excavated into competent materials and observed by our representative.
   c) The cut portion of the slope should be excavated prior to fill placement to evaluate if stabilization is necessary. The contractor should be responsible for any additional earthwork created by placing fill prior to cut excavation. (see Plate E-3 for schematic details.)
3. Daylight cut lots above descending natural slopes may require removal and replacement of the outer portion of the lot. A schematic diagram for this condition is presented on Plate E-2.
4. A basal key is needed for fill slopes extending over natural slopes. A schematic diagram for this condition is presented on Plate E-2.
5. All fill slopes should be provided with a key unless within the body of a larger overall fill mass. Please refer to Plate E-3 for specific guidelines.

Anticipated buttress and stabilization fills are discussed in the text of the report. The need to stabilize other proposed cut slopes will be evaluated during construction. Plate E-5 shows a schematic of buttress construction.

1. All backcuts should be excavated at gradients of 1:1 or flatter. The backcut configuration should be determined based on the design, exposed conditions, and need to maintain a minimum fill width and provide working room for the equipment.
2. On longer slopes, backcuts and keyways should be excavated in maximum 250 feet long segments. The specific configurations will be determined during construction.
3. All keys should be a minimum of two (2) feet deep at the toe and slope toward the heel at least one foot or two (2%) percent, whichever is greater.
4. Subdrains are to be placed for all stabilization slopes exceeding 10 feet in height. Lower slopes are subject to review. Drains may be required. Guidelines for subdrains are presented on Plate E-5.
5. Benching of backcuts during fill placement is required.

Lot Capping

1. When practical, the upper three (3) feet of material placed below finish grade should be comprised of the least expansive material available. Preferably, highly and very highly expansive materials should not be used. We will attempt to offer advice based on visual evaluations of the materials during grading, but it must be realized that laboratory testing is needed to evaluate the expansive potential of soil. Minimally, this testing takes two (2) to four (4) days to complete.
2. Transition lots (cut and fill) both per plan and those created by remedial grading (e.g., lots above stabilization fills, along daylight lines, above natural slopes, etc.) should be capped with a minimum three foot thick compacted fill blanket.
3. Cut pads should be observed by our representative(s) to evaluate the need for overexcavation and replacement with fill. This may be necessary to reduce water infiltration into highly fractured bedrock or other permeable zones, and/or due to differing expansive potential of materials beneath a structure. The overexcavation should be at least three feet. Deeper overexcavation may be recommended in some cases.

ROCK PLACEMENT AND ROCK FILL GUIDELINES

It is anticipated that large quantities of oversize material would be generated during grading. It's likely that such materials may require special handling for burial. Although alternatives may be developed in the field, the following methods of rock disposal are recommended on a preliminary basis.

Limited Larger Rock

When materials encountered are principally soil with limited quantities of larger rock fragments or boulders, placement in windrows is recommended. The following procedures should be applied:

1. Oversize rock (greater than 8 inches) should be placed in windrows.
    a) Windrows are rows of single file rocks placed to avoid nesting or clusters of rock.

b) Each adjacent rock should be approximately the same size (within ~one foot in diameter).

c) The maximum rock size allowed in windrows is four feet

2. A minimum vertical distance of three feet between lifts should be maintained. Also, the windrows should be offset from lift to lift. Rock windrows should not be closer than 15 feet to the face of fill slopes and sufficient space must be maintained for proper slope construction (see Plate E-4).

3. Rocks greater than eight inches in diameter should not be placed within seven feet of the finished subgrade for a roadway or pads and should be held below the depth of the lowest utility. This will allow easier trenching for utility lines.

4. Rocks greater than four feet in diameter should be broken down, if possible, or they may be placed in a dozer trench. Each trench should be excavated into the compacted fill a minimum of one foot deeper than the largest diameter of rock.

a) The rock should be placed in the trench and granular fill materials (SE>30) should be flooded into the trench to fill voids around the rock.

b) The over size rock trenches should be no closer together than 15 feet from any slope face.

c) Trenches at higher elevation should be staggered and there should be a minimum of four feet of compacted fill between the top of the one trench and the bottom of the next higher trench.

d) It would be necessary to verify 90 percent relative compaction in these pits. A 24 to 72 hour delay to allow for water dissipation should be anticipated prior to additional fill placement.

Structural Rock Fills

If the materials generated for placement in structural fills contains a significant percentage of material more than six (6) inches in one dimension, then placement using conventional soil fill methods with isolated windrows would not be feasible. In such cases the following could be considered:

1. Mixes of large rock or boulders may be placed as rock fill. They should be below the depth of all utilities both on pads and in roadways and below any proposed swimming pools or other excavations. If these fills are placed within seven (7) feet of finished grade, they may affect foundation design.

2. Rock fills are required to be placed in horizontal layers that should **not exceed two feet in thickness, or the maximum rock size present, which ever is less**. All rocks exceeding two feet should be broken down to a smaller size, windrowed (see above), or disposed of in non-structural fill areas. Localized larger rock up to 3 feet in largest dimension may be placed in rock fill as follows:

a) individual rocks are placed in a given lift so as to be roughly 50% exposed above the typical surface of the fill,

b) loaded rock trucks or alternate compactors are worked around the rock on all sides to the satisfaction of the soil engineer,

c) the portion of the rock above grade is covered with a second lift.

3. Material placed in each lift should be well graded. No unfilled spaces (voids) should be permitted in the rock fill.

Compaction Procedures

Compaction of rock fills is largely procedural. The following procedures have been found to generally produce satisfactory compaction.

1. Provisions for routing of construction traffic over the fill should be implemented.
   a) Placement should be by rock trucks crossing the lift being placed and dumping at its edge.
   b) The trucks should be routed so that each pass across the fill is via a different path and that all areas are uniformly traversed.
   c) The dumped piles should be knocked down and spread by a large dozer (D-8 or larger suggested). (Water should be applied before and during spreading.)

2. Rock fill should be generously watered (sluiced)
   a) Water should be applied by water trucks to the:
      i) dump piles,
      ii) front face of the lift being placed and,
      iii) surface of the fill prior to compaction.
   b) No material should be placed without adequate water.
   c) The number of water trucks and water supply should be sufficient to provide constant water.
   d) Rock fill placement should be suspended when water trucks are unavailable:
      i) for more than 5 minutes straight, or,
      ii) for more than 10 minutes/hour.

3. In addition to the truck pattern and at the discretion of the soil engineer, large, rubber-tired compactors may be required.
   a) The need for this equipment will depend largely on the ability of the operators to provide complete and uniform coverage by wheel rolling with the trucks.
   b) Other large compactors will also be considered by the soil engineer provided that required compaction is achieved.

4. Placement and compaction of the rock fill is largely procedural. Observation by trenching should be made to check:

a) the general segregation of rock size,
b) for any unfilled spaces between the large blocks, and
c) the matrix compaction and moisture content.

5. Test fills may be required to evaluate relative compaction of finer grained zones or as deemed appropriate by the soil engineer.
   a) A lift should be constructed by the methods proposed, as proposed

6. Frequency of the test trenching is to be at the discretion of the soil engineer. Control areas may be used to evaluate the contractor's procedures.

7. A minimum horizontal distance of 15 feet should be maintained from the face of the rock fill and any finish slope face. At least the outer 15 feet should be built of conventional fill materials.

Piping Potential and Filter Blankets

Where conventional fill is placed over rock fill, the potential for piping (migration) of the fine-grained material from the conventional fill into rock fills will need to be addressed.

The potential for particle migration is related to the grain size comparisons of the materials present and in contact with each other. Provided that 15 percent of the finer soil is larger than the effective pore size of the coarse soil, then particle migration is substantially mitigated. This can be accomplished with a well-graded matrix material for the rock fill and a zone of fill similar to the matrix above it. The specific gradation of the fill materials placed during grading must be known to evaluate the need for any type of filter that may be necessary to cap the rock fills. This, unfortunately, can only be accurately determined during construction.

In the event that poorly graded matrix is used in the rock fills, properly graded filter blankets 2 to 3 feet thick separating rock fills and conventional fill may be needed. As an alternative, use of two layers of filter fabric (Mirafi 700 x or equivalent) could be employed on top of the rock fill. In order to mitigate excess puncturing, the surface of the rock fill should be well broken down and smoothed prior to placing the filter fabric. The first layer of the fabric may then be placed and covered with relatively permeable fill material (with respect to overlying material) 1 to 2 feet thick. The relative permeable material should be compacted to fill standards. The second layer of fabric should be placed and conventional fill placement continued.

Subdrainage

Rock fill areas should be tied to a subdrainage system. If conventional fill is placed that separates the rock from the main canyon subdrain, then a secondary system should be installed. A system consisting of an adequately graded base (3 to 4 percent to the lower side) with a collector system and outlets may suffice.

Additionally, at approximately every 25 foot vertical interval, a collector system with outlets should be placed at the interface of the rock fill and the conventional fill blanketing a fill slope

Monitoring

Depending upon the depth of the rock fill and other factors, monitoring for settlement of the fill areas may be needed following completion of grading. Typically, if rock fill depths exceed 40 feet, monitoring would be recommended prior to construction of any settlement sensitive improvements. Delays of 3 to 6 months or longer can be expected prior to the start of construction.

UTILITY TRENCH CONSTRUCTION AND BACKFILL

Utility trench excavation and backfill is the contractor's responsibility. The geotechnical consultant typically provides periodic observation and testing of these operations. While efforts are made to make sufficient observations and tests to verify that the contractors' methods and procedures are adequate to achieve proper compaction, it is typically impractical to observe all backfill procedures. As such, it is critical that the contractor use consistent backfill procedures.

Compaction methods vary for trench compaction and experience indicates many methods can be successful. However, procedures that "worked" on previous projects may or may not prove effective on a given site. The contractor(s) should outline the procedures proposed, so that we may discuss them **prior** to construction. We will offer comments based on our knowledge of site conditions and experience.

1. Utility trench backfill in slopes, structural areas, in streets and beneath flat work or hardscape should be brought to at least optimum moisture and compacted to at least 90 percent of the laboratory standard. Soil should be moisture conditioned prior to placing in the trench.
2. Flooding and jetting are not typically recommended or acceptable for native soils. Flooding or jetting may be used with select sand having a Sand Equivalent (SE) of 30 or higher. This is typically limited to the following uses:
   a) shallow (12 + inches) under slab interior trenches and,
   b) as bedding in pipe zone.

   The water should be allowed to dissipate prior to pouring slabs or completing trench compaction.
3. Care should be taken not to place soils at high moisture content within the upper three feet of the trench backfill in street areas, as overly wet soils may impact subgrade preparation. Moisture may be reduced to 2% below optimum moisture in areas to be paved within the upper three feet below sub grade.

4. Sand backfill should not be allowed in exterior trenches adjacent to and within an area extending below a 1:1 projection from the outside bottom edge of a footing, unless it is similar to the surrounding soil.
5. Trench compaction testing is generally at the discretion of the geotechnical consultant. Testing frequency will be based on trench depth and the contractor's procedures. A probing rod would be used to assess the consistency of compaction between tested areas and untested areas. If zones are found that are considered less compact than other areas, this would be brought to the contractor's attention.

JOB SAFETY

General

Personnel safety is a primary concern on all job sites. The following summaries are safety considerations for use by all our employees on multi-employer construction sites. On ground personnel are at highest risk of injury and possible fatality on grading construction projects. The company recognizes that construction activities will vary on each site and that job site safety is the contractor's responsibility. However, it is, imperative that all personnel be safety conscious to avoid accidents and potential injury.

In an effort to minimize risks associated with geotechnical testing and observation, the following precautions are to be implemented for the safety of our field personnel on grading and construction projects.

1. Safety Meetings: Our field personnel are directed to attend the contractor's regularly scheduled safety meetings.
2. Safety Vests: Safety vests are provided for and are to be worn by our personnel while on the job site.
3. Safety Flags: Safety flags are provided to our field technicians; one is to be affixed to the vehicle when on site, the other is to be placed atop the spoil pile on all test pits.

In the event that the contractor's representative observes any of our personnel not following the above, we request that it be brought to the attention of our office.

Test Pits Location, Orientation and Clearance

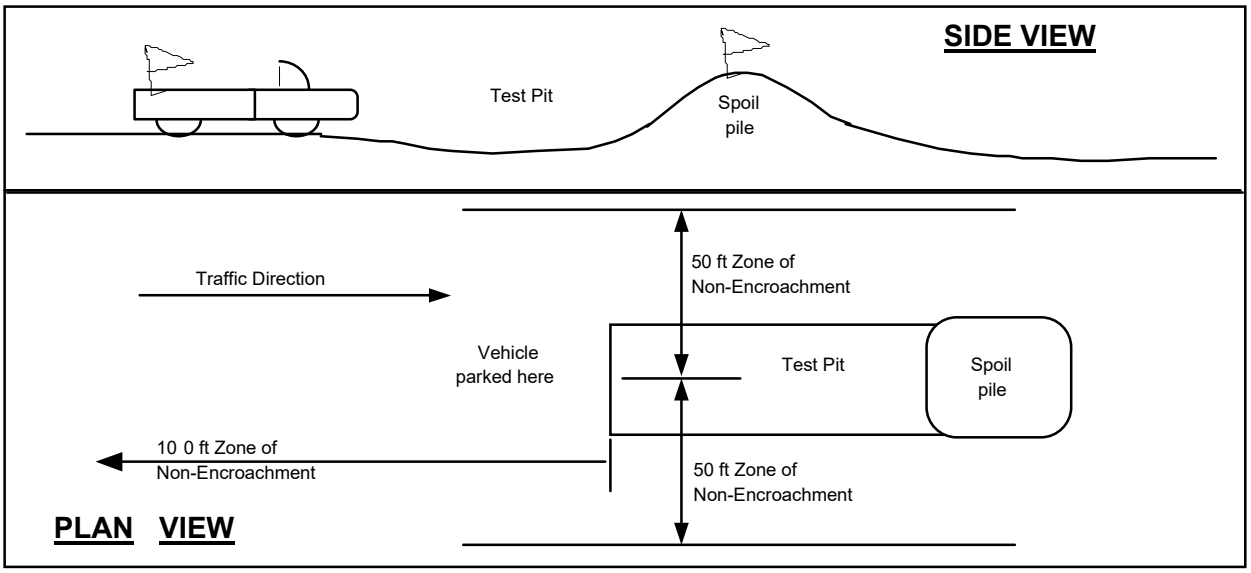
The technician is responsible for selecting test pit locations. The primary concern is the technician's safety. However, it is necessary to take sufficient tests at various locations to obtain a representative sampling of the fill. As such, efforts will be made to coordinate locations with the grading contractors authorized representatives (e.g., dump man, operator, supervisor, grade checker, etc.), and to select locations following or behind the established traffic pattern, preferably outside of current traffic. The

contractors authorized representative should direct excavation of the pit and safety during the test period. Again, safety is the paramount concern.

Test pits should be excavated so that the spoil pile is placed away from oncoming traffic. The technician's vehicle is to be placed next to the test pit, opposite the spoil pile. This necessitates that the fill be maintained in a drivable condition. Alternatively, the contractor may opt to park a piece of equipment in front of test pits, particularly in small fill areas or those with limited access.

A zone of non-encroachment should be established for all test pits (see diagram below). No grading equipment should enter this zone during the test procedure. The zone should extend outward to the sides approximately 50 feet from the center of the test pit and 100 feet in the direction of traffic flow. This zone is established both for safety and to avoid excessive ground vibration, which typically decreases test results.

TEST PIT SAFETY PLAN



Slope Tests

When taking slope tests, the technician should park their vehicle directly above or below the test location on the slope. The contractor's representative should effectively keep all equipment at a safe operation distance (e.g., 50 feet) away from the slope during testing.

The technician is directed to withdraw from the active portion of the fill as soon as possible following testing. The technician's vehicle should be parked at the perimeter of the fill in a highly visible location.

Trench Safety

It is the contractor's responsibility to provide safe access into trenches where compaction testing is needed. Trenches for all utilities should be excavated in accordance with CAL-OSHA and any other applicable safety standards. Safe conditions will be required to enable compaction testing of the trench backfill.

All utility trench excavations in excess of 5 feet deep, which a person enters, are to be shored or laid back. Trench access should be provided in accordance with OSHA standards. Our personnel are directed not to enter any trench by being lowered or "riding down" on the equipment.

Our personnel are directed not to enter any excavation which;

1. is 5 feet or deeper unless shored or laid back,
2. exit points or ladders are not provided,
3. displays any evidence of instability, has any loose rock or other debris which could fall into the trench, or
4. displays any other evidence of any unsafe conditions regardless of depth.

If the contractor fails to provide safe access to trenches for compaction testing, our company policy requires that the soil technician withdraws and notifies their supervisor. The contractor's representative will then be contacted in an effort to affect a solution. All backfill not tested due to safety concerns or other reasons is subject to reprocessing and/or removal.

Procedures

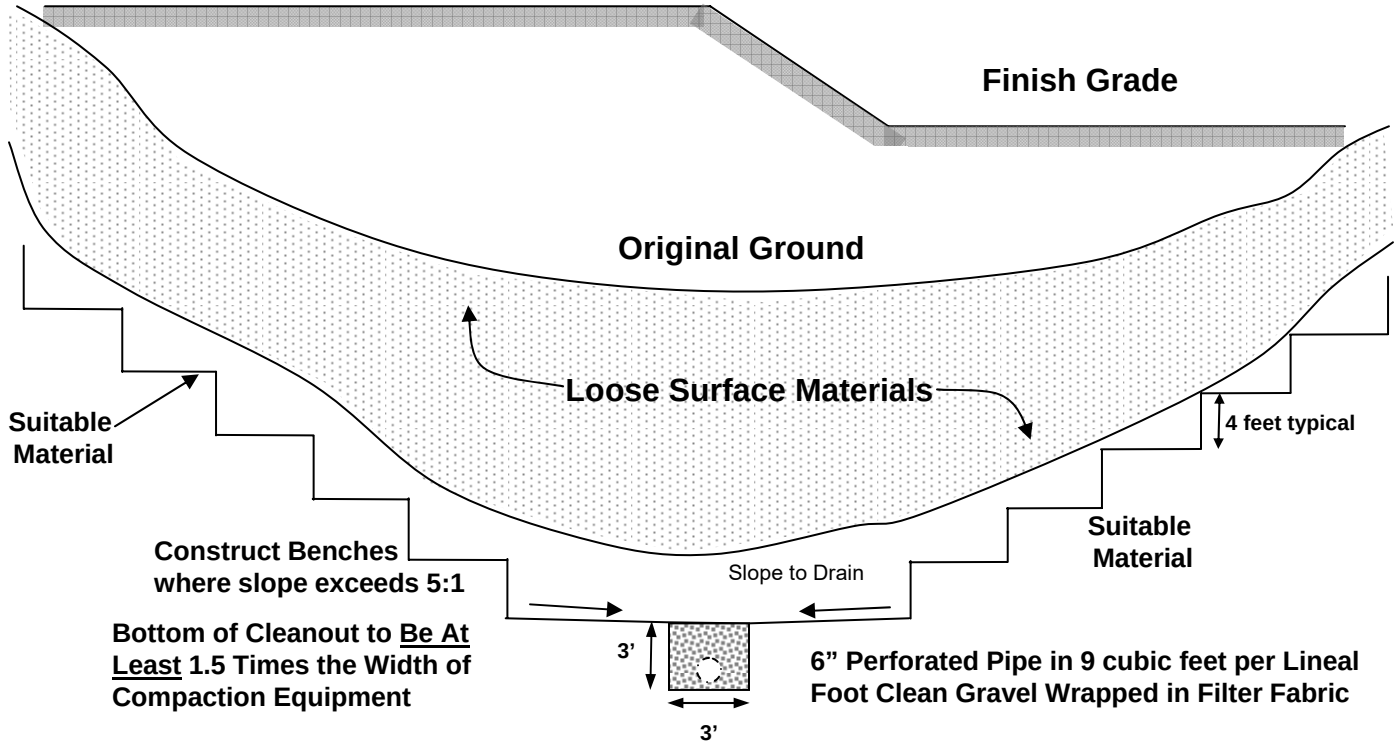
In the event that the technician's safety is jeopardized or compromised as a result of the contractor's failure to comply with any of the above, the technician is directed to inform both the developer's and contractor's representatives. If the condition is not rectified, the technician is required, by company policy, to immediately withdraw and notify their supervisor. The contractor's representative will then be contacted in an effort to affect a solution. No further testing will be performed until the situation is rectified. Any fill placed in the interim can be considered unacceptable and subject to reprocessing, recompaction or removal.

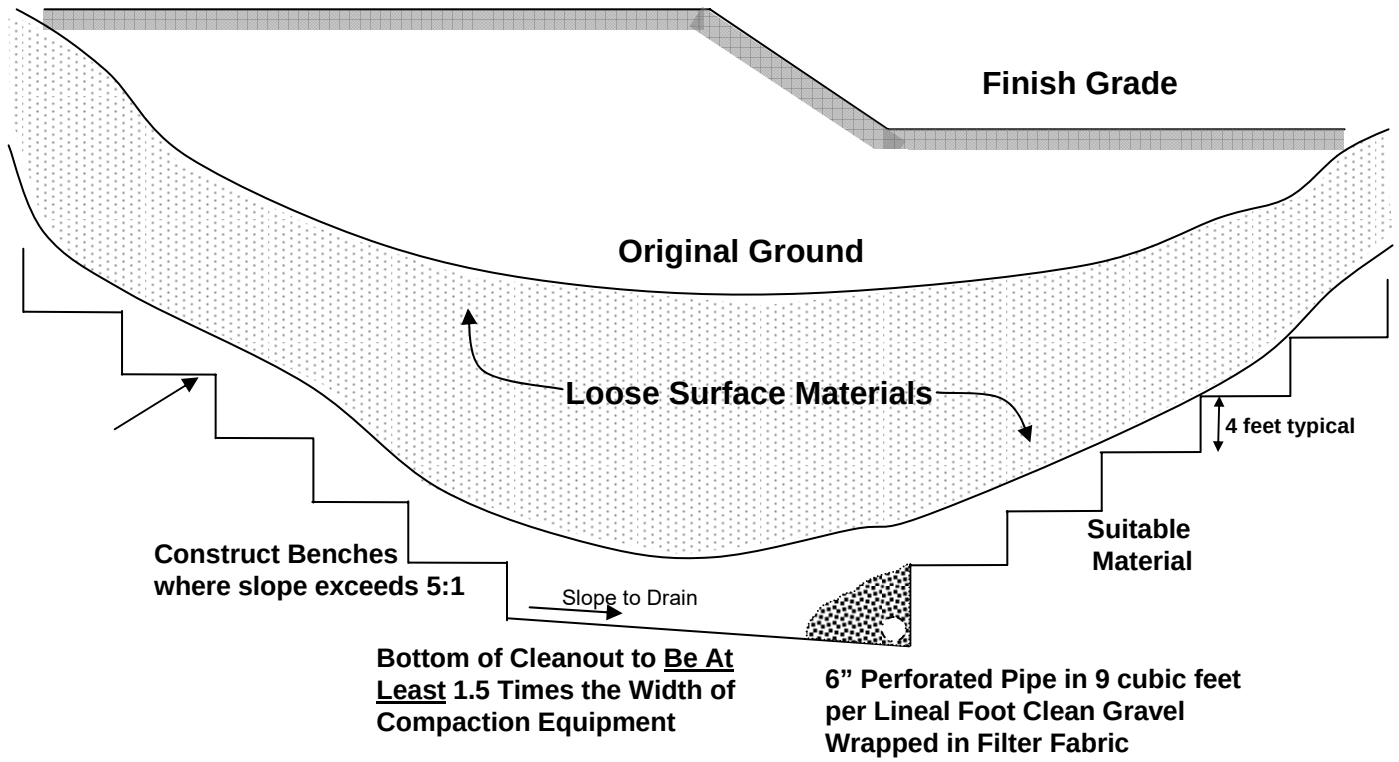
In the event that the soil technician does not comply with the above or other established safety guidelines, we request that the contractor bring this to technician's attention and notify our project manager or office. Effective communication and coordination between the contractors' representative and the field technician(s) is strongly encouraged in order to implement the above safety program and safety in general.

The safety procedures outlined above should be discussed at the contractor's safety meetings. This will serve to inform and remind equipment operators of these safety procedures particularly the zone of non-encroachment.

The safety procedures outlined above should be discussed at the contractor's safety meetings. This will serve to inform and remind equipment operators of these safety procedures particularly the zone of non-encroachment.

ALTERNATES





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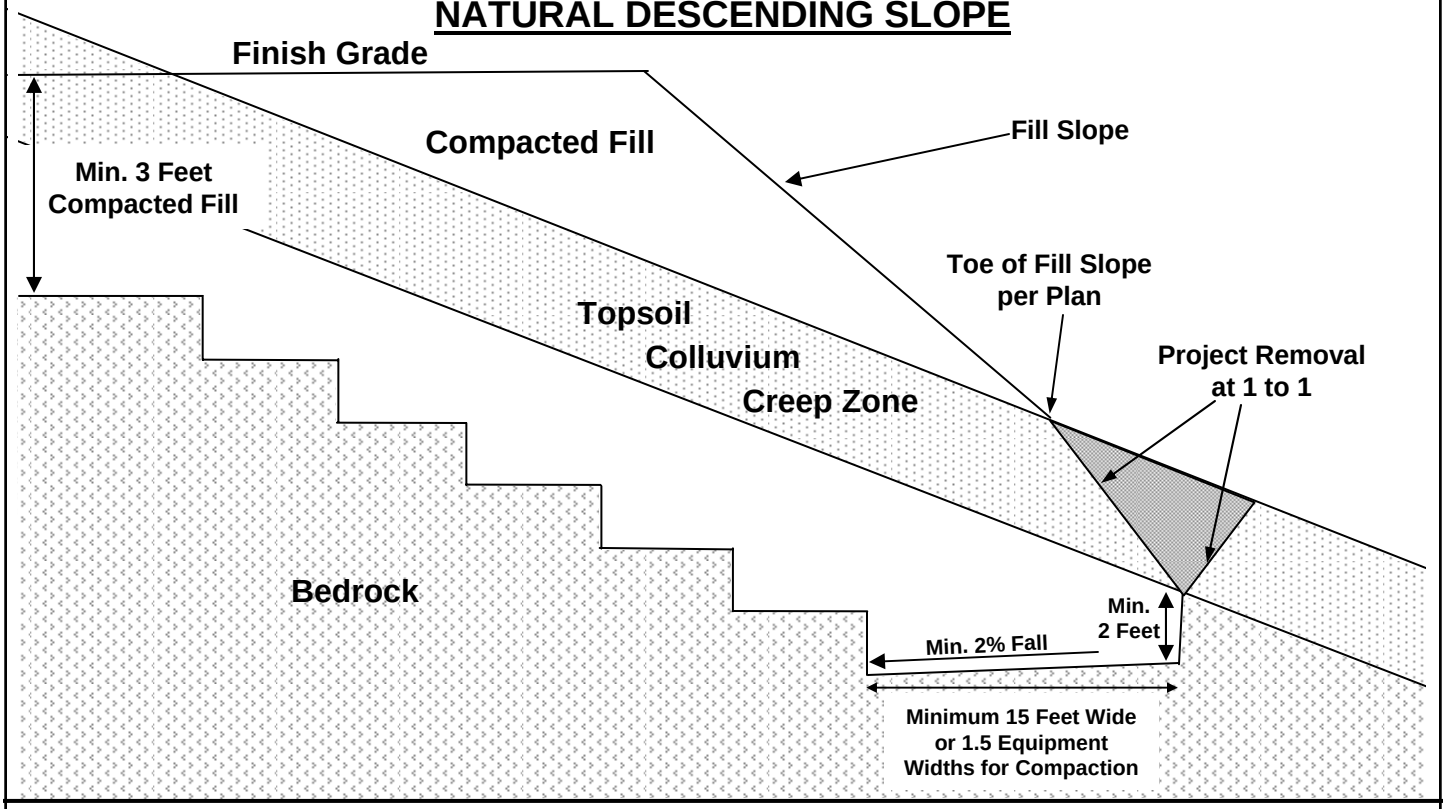
Corona, California 92880

TYPICAL CANYON CLEANOUT

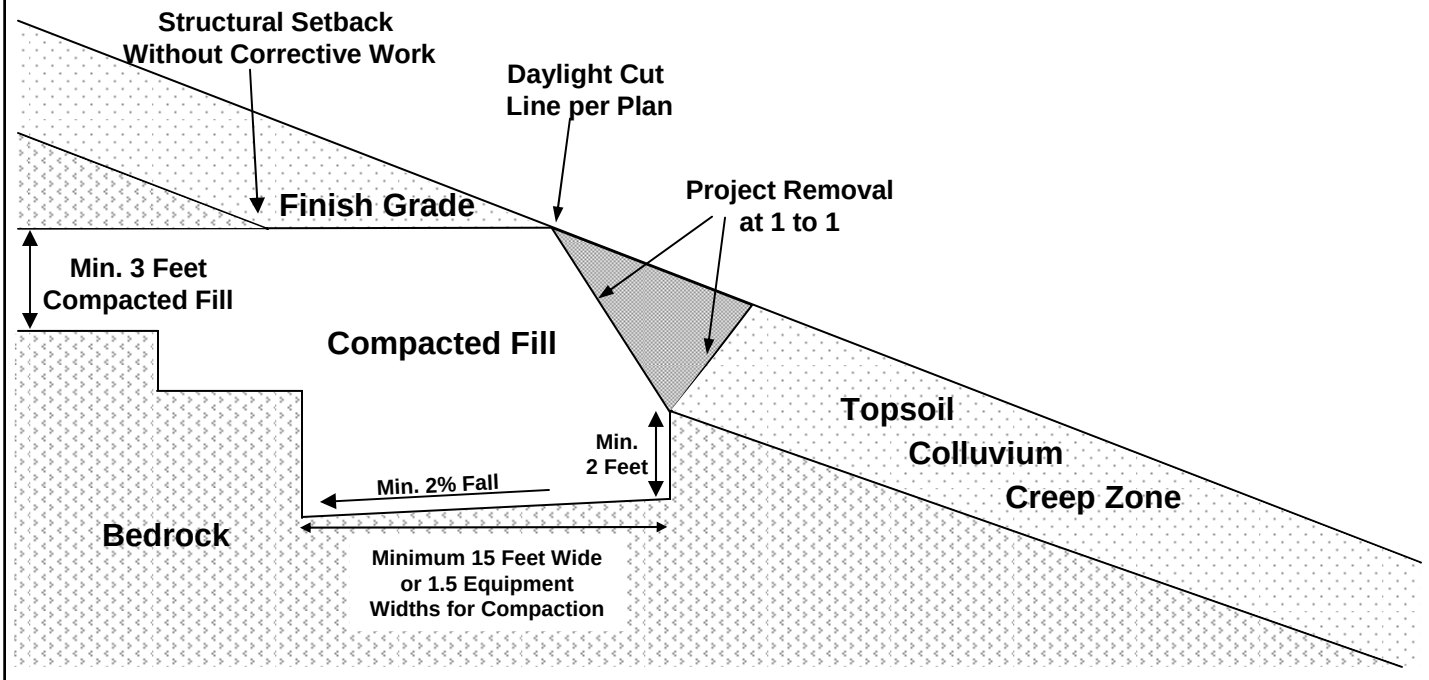
STANDARD GRADING GUIDELINES

PLATE E-1

TYPICAL FILL SLOPE OVER NATURAL DESCENDING SLOPE



DAYLIGHT CUT AREA OVER NATURAL DESCENDING SLOPE



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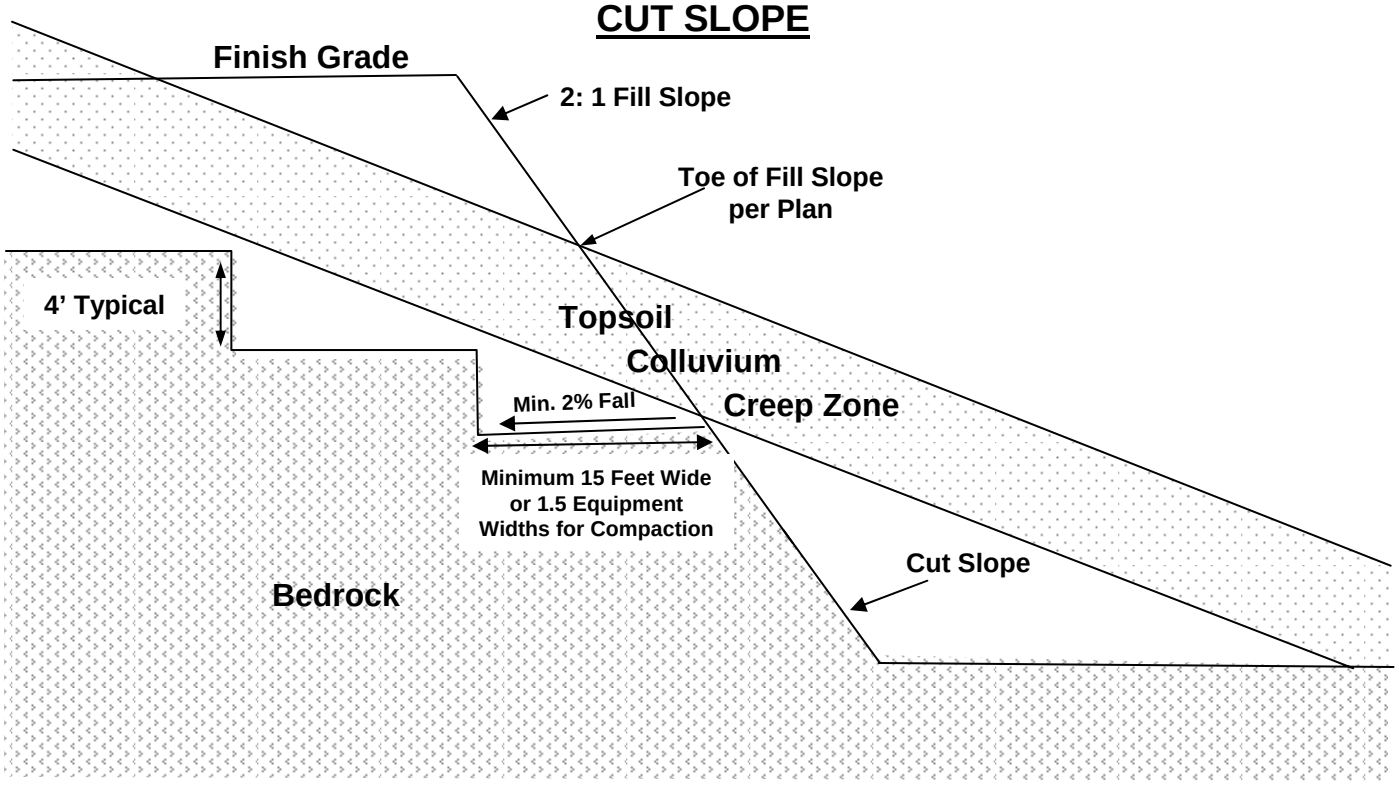
TREATMENT ABOVE NATURAL SLOPES

STANDARD GRADING GUIDELINES

PLATE E-2

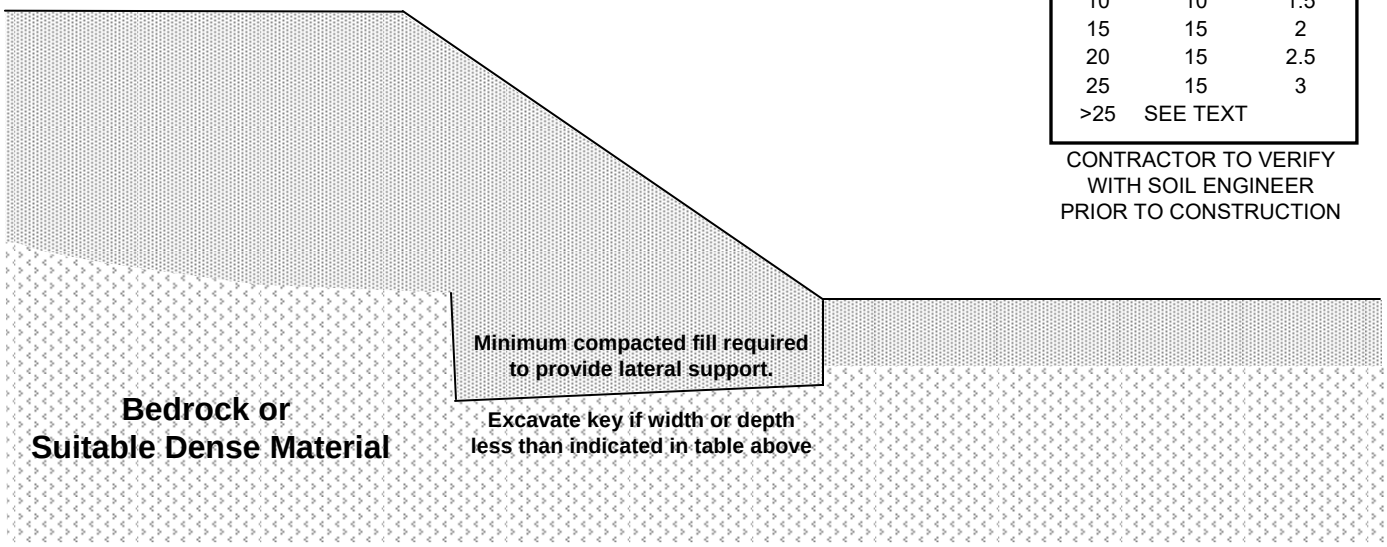
TYPICAL FILL SLOPE OVER CUT SLOPE



TYPICAL FILL SLOPE

SLOPE HEIGHT	MIN. KEY WIDTH	MIN. KEY DEPTH
5	7	1
10	10	1.5
15	15	2
20	15	2.5
25	15	3
>25	SEE TEXT	

CONTRACTOR TO VERIFY WITH SOIL ENGINEER PRIOR TO CONSTRUCTION



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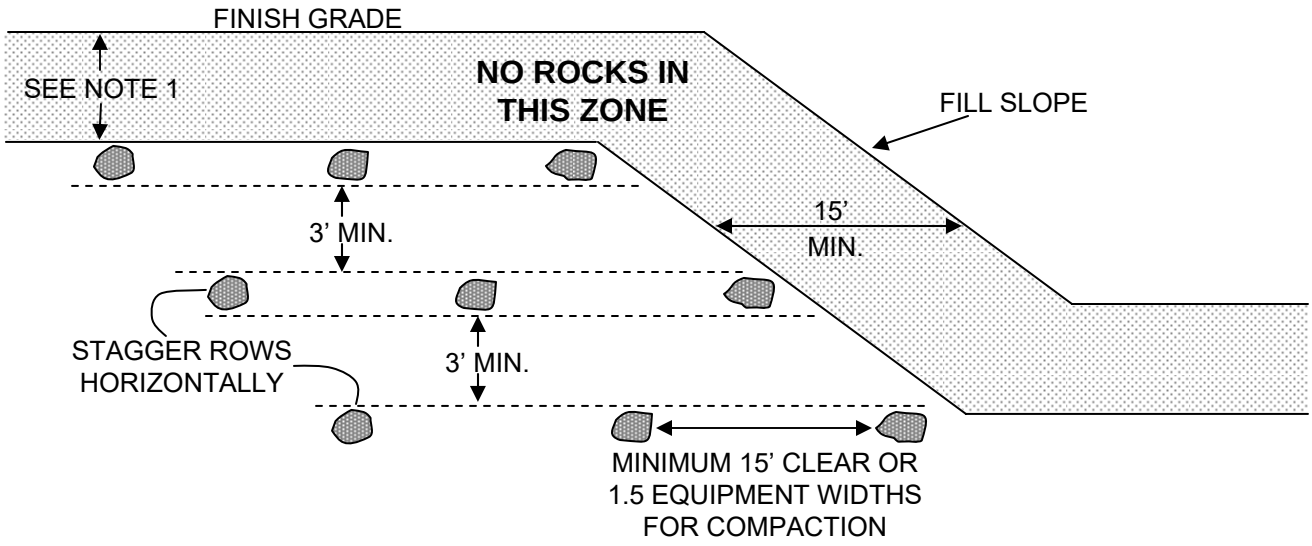
COMMON FILL SLOPE KEYS

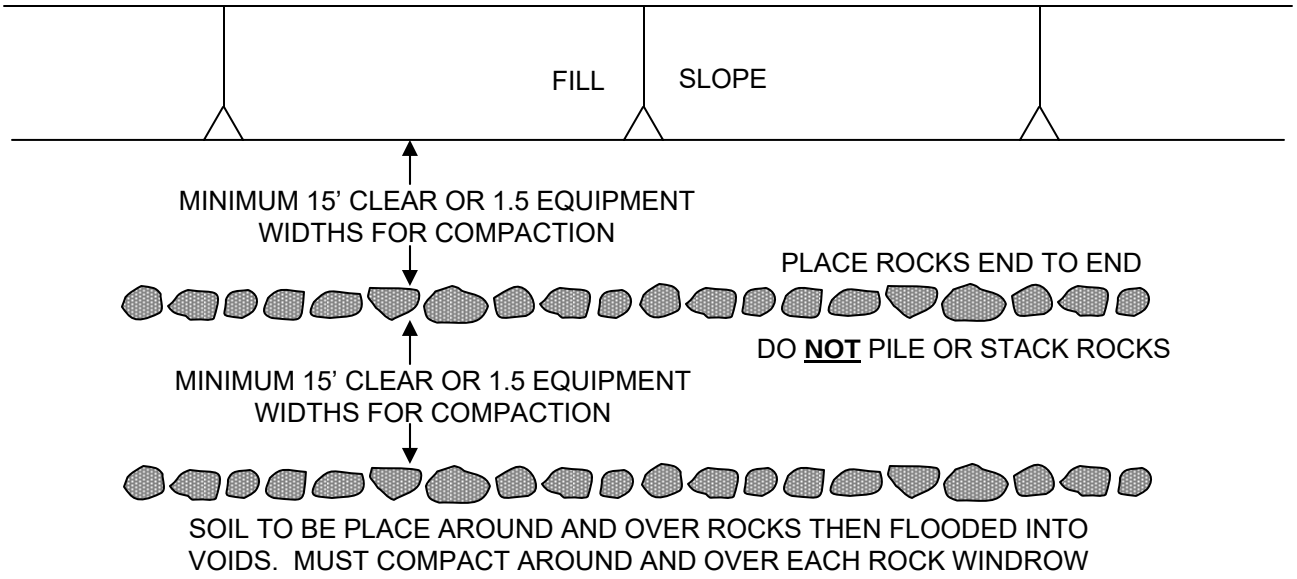
STANDARD GRADING GUIDELINES

PLATE E-3

CROSS SECTIONAL VIEW



PLAN VIEW



NOTES:

1) SOIL FILL OVER WINDROW SHOULE BE 7 FEET OR PER JURISDUICTIONAL STANDARDS AND SUFFICIENT FOR FUTURE EXCAVATIONS TO AVOID ROCKS
2) MAXIMUM ROCK SIZE IN WINDROWS IS 4 FEET IN DIAMETER
3) SOIL AROUND WINDROWS TO BE SANDY MATERIAL SUBJECT TO SOIL ENGINEER ACCEPTANCE
4) SPACING AND CLEARANCES MUST BE SUFFICIENT TO ALLOW FOR PROPER COMPACTION
5) INDIVDUAL LARGE ROCKS MAY BE BURIED IN PITS.

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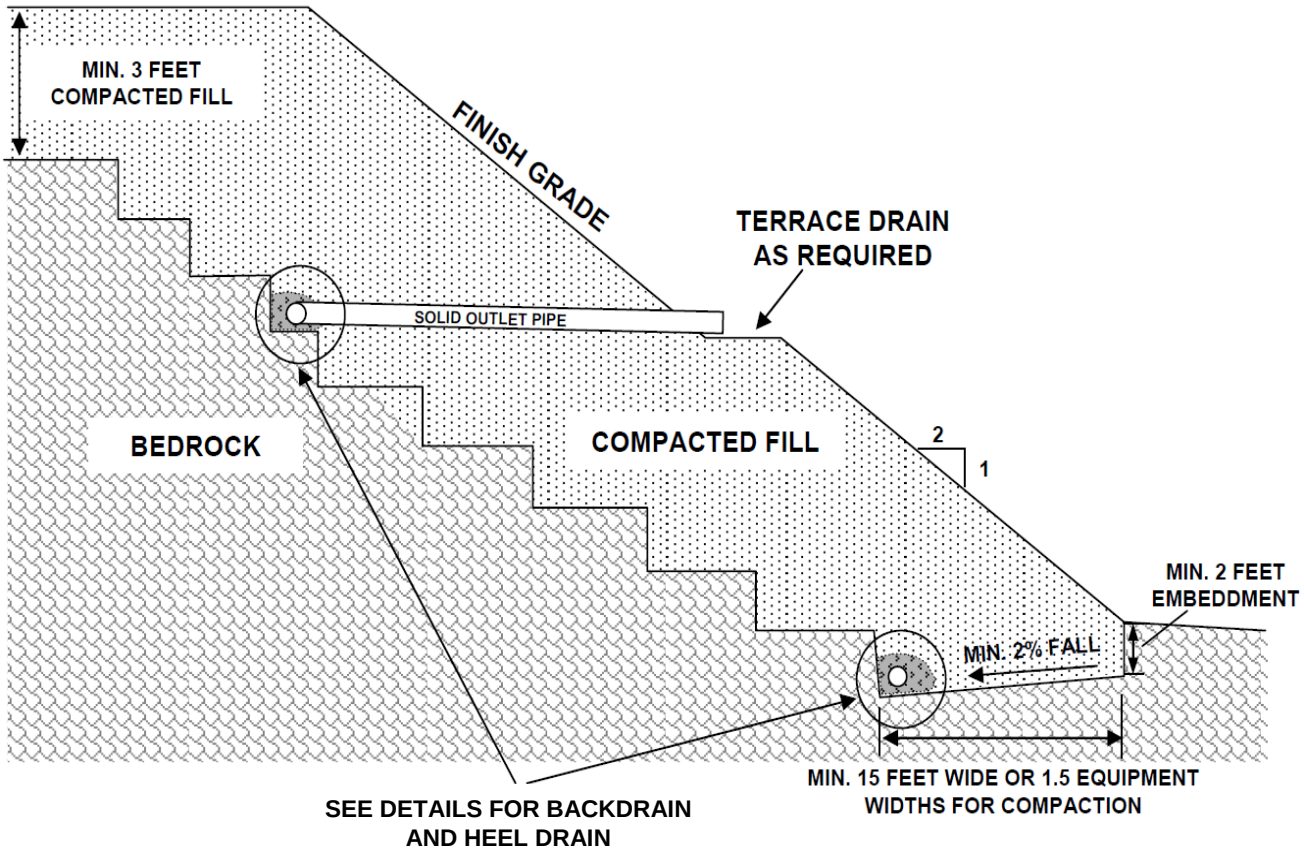
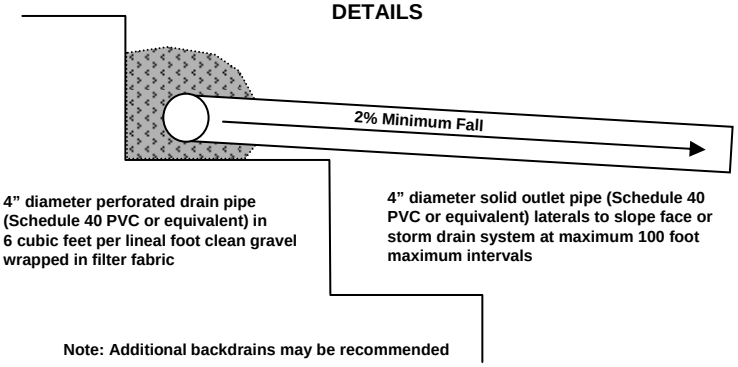
ROCK BURIAL DETAILS

STANDARD GRADING GUIDELINES

PLATE E-4



BACKDRAIN DETAILS



4" diameter perforated drain pipe (Schedule 40 PVC or equivalent) in 6 cubic feet per lineal foot clean gravel wrapped in filter fabric

4" diameter solid outlet pipe (Schedule 40 PVC or equivalent) laterals to slope face or storm drain system at maximum 100 foot maximum intervals

Note: Additional backdrains may be recommended

HEEL DRAIN DETAILS

6" diameter perforated drain pipe in 6 cubic feet per lineal foot clean gravel wrapped in filter fabric, outlet pipe to gravity flow with 2% minimum fall

GEOTEK	1548 North Maple Street Corona, California 92880	TYPICAL BUTTRESS AND STABILIZATION FILL	STANDARD GRADING GUIDELINES PLATE E-5

Appendix E
Noise and Vibration Impact Study

Library Learning Resource Center & Student Services

Noise and Vibration Impact Study

City of Norco, CA

Prepared for:

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Prepared by:

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Bethany Wu, INCE-USA
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Simi Valley, CA 93065

Date: 12/9/2025

MD ACOUSTICS
Sound Solutions for Planning and Design

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1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This noise assessment was prepared to evaluate the potential noise impacts for the project study area and to recommend noise mitigation measures, if necessary, to minimize the potential noise impacts. The assessment was conducted and compared to the noise standards set forth by the Federal, State, and Local agencies. Consistent with the City's Noise Guidelines, the project described below must demonstrate compliance to the applicable noise criteria as outlined within the City of Norco Noise Element and Municipal Code.

The following is provided in this report:

- A description of the study area and the proposed project;
- Information regarding the fundamentals of noise;
- A description of the local noise guidelines and standards;
- An analysis of traffic noise impacts to the sensitive receptors and the project site; and
- An analysis of construction noise impacts.

1.2 Site Location and Study Area

The Riverside Community College District (RCCD) – Norco College (NC) campus is located within the western Riverside County sub-region of southern California. The area is generally south of the City of Ontario, southwest of the City of Riverside, and east of the Prado Dam (see Exhibit A).

Within the Norco Campus, the proposed project will be located on the southern edge of the campus core, adjacent to Parking Lot A. Additionally, the project site will be north of Third Street, east of the sports complex, and west of JFK Drive. Additionally, one of two optional construction laydown areas would be utilized for the project. One is west of the project site, and adjacent to Parking Lot D and West End Drive. The second optional laydown area is located east of the project site and north of Parking Lot B (see Exhibit B).

The current City of Norco General Plan designates the NC campus as Public Land (PL) and zoned as Open Space (OS). The current City of Norco General Plan designations for the land surrounding the campus vary. North of NC the General Plan designation is Preservation and Development (PAD), east of NC is Specific Plan (SP) with a Housing Development Overlay (HDO), south and west the General Plan designation is Residential Agricultural (RA). The zoning indicates that the area north of NC is Preservation and Development (PAD), east is the Norco Auto Mall Specific Plan, south and west is Agricultural Low Density (A-1-20).

1.3 Proposed Project Description

This project proposes to construct a new three-story Library Learning Resource Center and Student Services building at Norco College. The proposed project will expand library and learning resource spaces to meet student needs, and consolidate programs currently housed in the Library, Student

Services Building, and College Resource Center. The new facility will also include modern technology and infrastructure that is essential to student success. The proposed LLRC and Student Services building is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classrooms, 16,968 ASF of faculty/staff office space, 26,112 ASF of library/library support, 994 ASF of audio/visual media space, and 3,491 ASF of other support space.

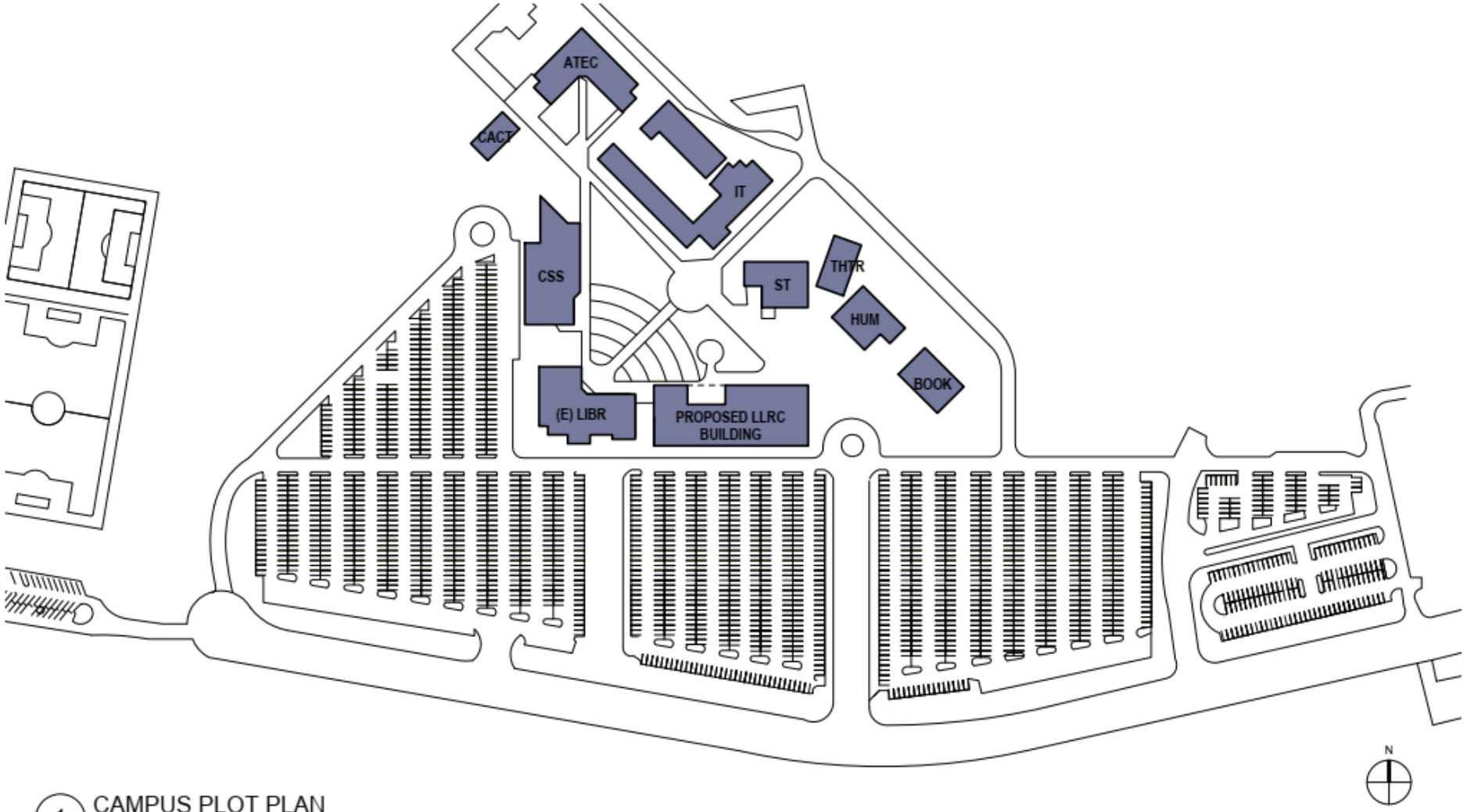
The proposed project will be located on the southwestern edge of the campus core, adjacent to Parking Lot D and C. The existing Student Services building, College Resource Center, and Portables A and B will be demolished as secondary effects of the proposed project. Additionally, the existing Library building will be inactivated for future repurposing as a separate capital construction project.

Exhibit A

Location Map

Exhibit B

Site Plan



1 CAMPUS PLOT PLAN
1" = 160'-0"

Issue Date: 05/17/2020

CAMPUS SITE PLAN

CANNONDESIGN ALMA LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT NORCO COLLEGE

2.0 Fundamentals of Noise

This section of the report provides basic information about noise and presents some of the terms used within the report.

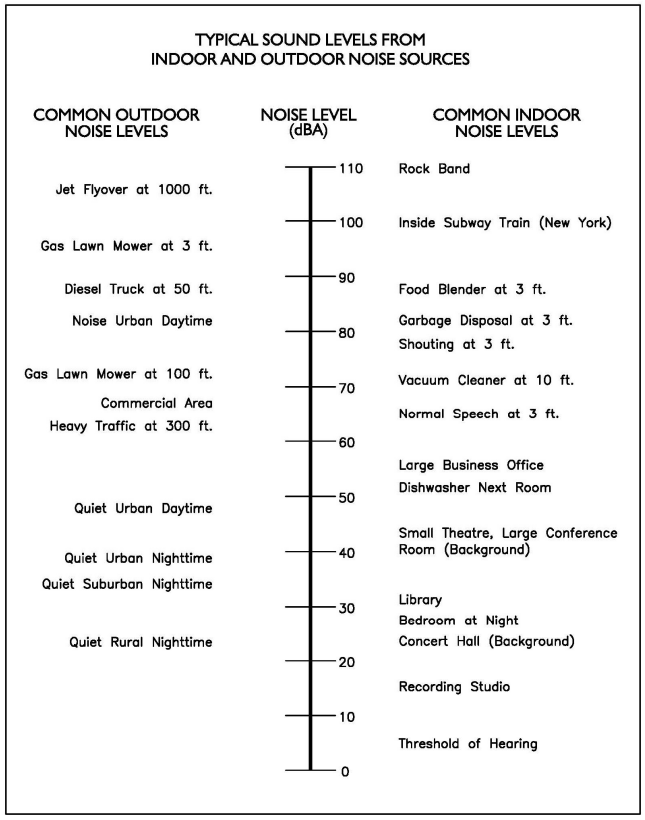
2.1 Sound, Noise, and Acoustics

Sound is a disturbance created by a moving or vibrating source and is capable of being detected by the hearing organs. Sound may be thought of as mechanical energy of a moving object transmitted by pressure waves through a medium to a human ear. For traffic or stationary noise, the medium of concern is air. *Noise* is defined as sound that is loud, unpleasant, unexpected, or unwanted.

2.2 Frequency and Hertz

A continuous sound is described by its *frequency* (pitch) and its *amplitude* (loudness). Frequency relates to the number of pressure oscillations per second. Low-frequency sounds are low in pitch (bass sounding) and high-frequency sounds are high in pitch (squeak). These oscillations per second (cycles) are commonly referred to as Hertz (Hz). The human ear can hear from the bass pitch starting at 20 Hz to the high pitch of 20,000 Hz.

Exhibit C: Typical A-Weighted Noise Levels



2.3 Sound Pressure Levels and Decibels

The *amplitude* of a sound determines its loudness. The loudness of sound increases or decreases as the amplitude increases or decreases. Sound pressure amplitude is measure in units of micro-Newton per square inch meter (N/m2), also called micro-Pascal (µPa). One µPa is approximately one hundred billionths (0.00000000001) of normal atmospheric pressure. Sound pressure level (SPL or L_p) is used to describe in logarithmic units the ratio of actual sound pressures to a reference pressure squared. These units are called decibels abbreviated dB. Exhibit C illustrates references sound levels for different noise sources.

2.4 Addition of Decibels

Because decibels are on a logarithmic scale, sound pressure levels cannot be added or subtracted by simple plus or minus addition. When two sounds or equal SPL are combined, they will produce an SPL 3 dB greater than the original single SPL. In other words, sound energy must be doubled to produce a 3 dB increase. If two sounds differ by approximately 10 dB, the higher sound level is the predominant sound.

2.5 Sensitive Receptors

Noise-sensitive land uses include residential (single and multi-family dwellings, mobile home parks, dormitories, and similar uses); transient lodging (including hotels, motels, and similar uses); hospitals, nursing homes, convalescent hospitals, and other facilities for long-term medical care; public or private educational facilities, libraries, churches, and places of public assembly.

2.6 Human Response to Changes in Noise Levels

In general, the healthy human ear is most sensitive to sounds between 1,000 Hz and 5,000 Hz, (A-weighted scale) and it perceives a sound within that range as being more intense than a sound with a higher or lower frequency with the same magnitude. For purposes of this report as well as with most environmental documents, the A-scale weighting is typically reported in terms of A-weighted decibel (dBA). Typically, the human ear can barely perceive a change in noise level of 3 dB. A change in 5 dB is readily perceptible, and a change in 10 dB is perceived as being twice or half as loud. As previously discussed, a doubling of sound energy results in a 3 dB increase in sound, which means that a doubling of sound energy (e.g. doubling the volume of traffic on a highway) would result in a barely perceptible change in sound level.

Table 1: Decibel Changes and Loudness

Changes in Intensity Level, dBA	Changes in Apparent Loudness
1	Not perceptible
3	Just perceptible
5	Clearly noticeable
10	Twice (or half) as loud
Source: https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm	

2.7 Noise Descriptors

Noise in our daily environment fluctuates over time. Some noise levels occur in regular patterns, others are random. Some noise levels are constant while others are sporadic. Noise descriptors were created to describe the different time-varying noise levels.

A-Weighted Sound Level: The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter de-emphasizes the very low and very high-frequency components of the sound in a manner similar to the response of the human ear. This is a numerical method of rating human judgment of loudness.

Ambient Noise Level: The composite of noise from all sources, near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

Community Noise Equivalent Level (CNEL): The average equivalent A-weighted sound level during a 24-hour day, obtained after the addition of five (5) decibels to sound levels in the evening from 7:00 to 10:00 PM and ten (10) decibels to sound levels in the night before 7:00 AM and after 10:00 PM.

Decibel (dB): A unit for measuring the amplitude of a sound pressure wave. The range of sound audible to the average human (from the quietest to the loudest perceptible sound) is difficult to measure on a linear scale: imagine trying to measure something from inches to miles with the same ruler. Therefore, the convention is to use a logarithmic scale, measured in decibels. A decibel is a logarithmic expression comparing a pressure to a reference pressure (20 micro-pascals) that provides a useful way to compare sounds of differing amplitudes.

dB(A): A-weighted sound level (see definition above).

Equivalent Sound Level (LEQ): The sound level corresponding to a steady noise level over a given sample period with the same amount of acoustic energy as the actual time-varying noise level. The energy average noise level during the sample period.

Habitable Room: Any room meeting the requirements of the Uniform Building Code or other applicable regulations which is intended to be used for sleeping, living, cooking, or dining purposes, excluding such enclosed spaces as closets, pantries, bath or toilet rooms, service rooms, connecting corridors, laundries, unfinished attics, foyers, storage spaces, cellars, utility rooms, and similar spaces.

L(n): The A-weighted sound level exceeded during a certain percentage of the sample time. For example, L10 in the sound level exceeded 10 percent of the sample time. Similarly, L50, L90, and L99, etc.

Noise: *A*ny unwanted sound or sound which is undesirable because it interferes with speech and hearing, or is intense enough to damage hearing, or is otherwise annoying. The State Noise Control Act defines noise as "...excessive undesirable sound...".

Outdoor Living Area: Outdoor spaces that are associated with residential land uses typically used for passive recreational activities or other noise-sensitive uses. Such spaces include patio areas, barbecue areas, jacuzzi areas, etc. associated with residential uses; outdoor patient recovery or resting areas associated with hospitals, convalescent hospitals, or rest homes; outdoor areas associated with places of worship which have a significant role in services or other noise-sensitive activities; and outdoor school facilities routinely used for educational purposes which may be adversely impacted by noise. Outdoor areas usually not included in this definition are: front yard areas, driveways, greenbelts, maintenance areas and storage areas associated with residential land uses; exterior areas at hospitals that are not used for patient activities; outdoor areas associated with places of worship and principally used for short-term social gatherings; and, outdoor areas associated with school facilities that are not typically associated with educational uses prone to adverse noise impacts (for example, school play yard areas).

Percent Noise Levels: See L(n).

Sound Level (Noise Level): The weighted sound pressure level obtained by use of a sound level meter having a standard frequency filter for attenuating part of the sound spectrum.

Sound Level Meter: An instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement and determination of noise and sound levels.

Single Event Noise Exposure Level (SENEL): The dB(A) level which, if it lasted for one second, would produce the same A-weighted sound energy as the actual event.

2.8 Traffic Noise Prediction

Noise levels associated with traffic depends on a variety of factors: volume of traffic; the speed of traffic; auto, medium truck (2-axle), and heavy truck percentage (3-axle and greater); and sound propagation. Higher traffic volume, speeds, and truck percentages equate to a louder volume in noise. A doubling of the Average Daily Traffic (ADT) along a roadway will increase noise levels by approximately 3 dB; reasons for this are discussed in the sections above.

2.9 Sound Propagation

As sound propagates from a source it spreads geometrically. Sound from a small, localized source (i.e., a point source) radiates uniformly outward as it travels away from the source in a spherical pattern. The sound level attenuates at a rate of 6 dB per doubling of distance. The movement of vehicles down a roadway makes the source of the sound appear to propagate from a line (i.e., line source) rather than a point source. This line source results in the noise propagating from a roadway in a cylindrical spreading versus a spherical spreading that results from a point source. The sound level attenuates for a line source at a rate of 3 dB per doubling of distance.

As noise propagates from the source, it is affected by the ground and atmosphere. Noise models use hard site (reflective surfaces) and soft site (absorptive surfaces) to help calculate predicted noise levels. Hard site conditions assume no excessive ground absorption between the noise source and the receiver. Soft site conditions such as grass, soft dirt, or landscaping attenuate noise at a rate of 1.5 dB per doubling of distance. When added to the geometric spreading, the excess ground attenuation results in an overall noise attenuation of 4.5 dB per doubling of distance for a line source and 7.5 dB per doubling of distance for a point source.

Research has demonstrated that atmospheric conditions can have a significant effect on noise levels when noise receivers are located 200 feet from a noise source. Wind, temperature, air humidity, and turbulence can further impact have far sound can travel.

3.0 Ground-Borne Vibration Fundamentals

3.1 Vibration Descriptors

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

Several different methods are used to quantify vibration amplitude.

PPV – Known as the peak particle velocity (PPV) which is the maximum instantaneous peak in vibration velocity, typically given in inches per second.

RMS – Known as root mean squared (RMS) can be used to denote vibration amplitude.

VdB – A commonly used abbreviation to describe the vibration level (VdB) for a vibration source.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Outdoor sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration. To counter the effects of ground-borne vibration, the Federal Transit Administration (FTA) has published guidance relative to vibration impacts. According to the FTA, fragile buildings can be exposed to ground-borne vibration levels of 0.3 inches per second without experiencing structural damage. Although ground borne vibration is sometimes noticeable in outdoor environments, it is almost never annoying to people who are outdoors; therefore, the vibration level threshold is assessed at occupied structures. Therefore, all vibration impacts are assessed at the structure of an affected property.

There are three main types of vibration propagation: surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wavefront, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wavefront. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wavefront. However, unlike P-waves, the particle motion is transverse, or side-to-side and perpendicular to the direction of propagation. As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this

drop-off rate can vary greatly depending on the soil but has been shown to be effective enough for screening purposes to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 Regulatory Setting

The proposed project is located in the City of Norco, California, and noise regulations are addressed through the efforts of various federal, state, and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Publicize noise emission standards for interstate commerce
- Assist state and local abatement efforts
- Promote noise education and research

The Federal Office of Noise Abatement and Control (ONAC) originally was tasked with implementing the Noise Control Act. However, it was eventually eliminated leaving other federal agencies and committees to develop noise policies and programs. Some examples of these agencies are as follows: The Department of Transportation (DOT) assumed a significant role in noise control through its various agencies. The Federal Aviation Agency (FAA) is responsible for regulating noise from aircraft and airports. The Federal Highway Administration (FHWA) is responsible for regulating noise from the interstate highway system. The Occupational Safety and Health Administration (OSHA) is responsible for the prohibition of excessive noise exposure to workers. The United States Housing and Urban Development (HUD) is responsible for establishing noise regulations as it relates to exterior/interior noise levels for new HUD-assisted housing developments near high noise areas.

The federal government advocates that local jurisdictions use their land use regulatory authority to arrange new developments in such a way that “noise sensitive” uses are either prohibited from being constructed adjacent to a highway or that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by the transportation source, the City is restricted to regulating the noise generated by the transportation system through nuisance abatement ordinances and land use planning.

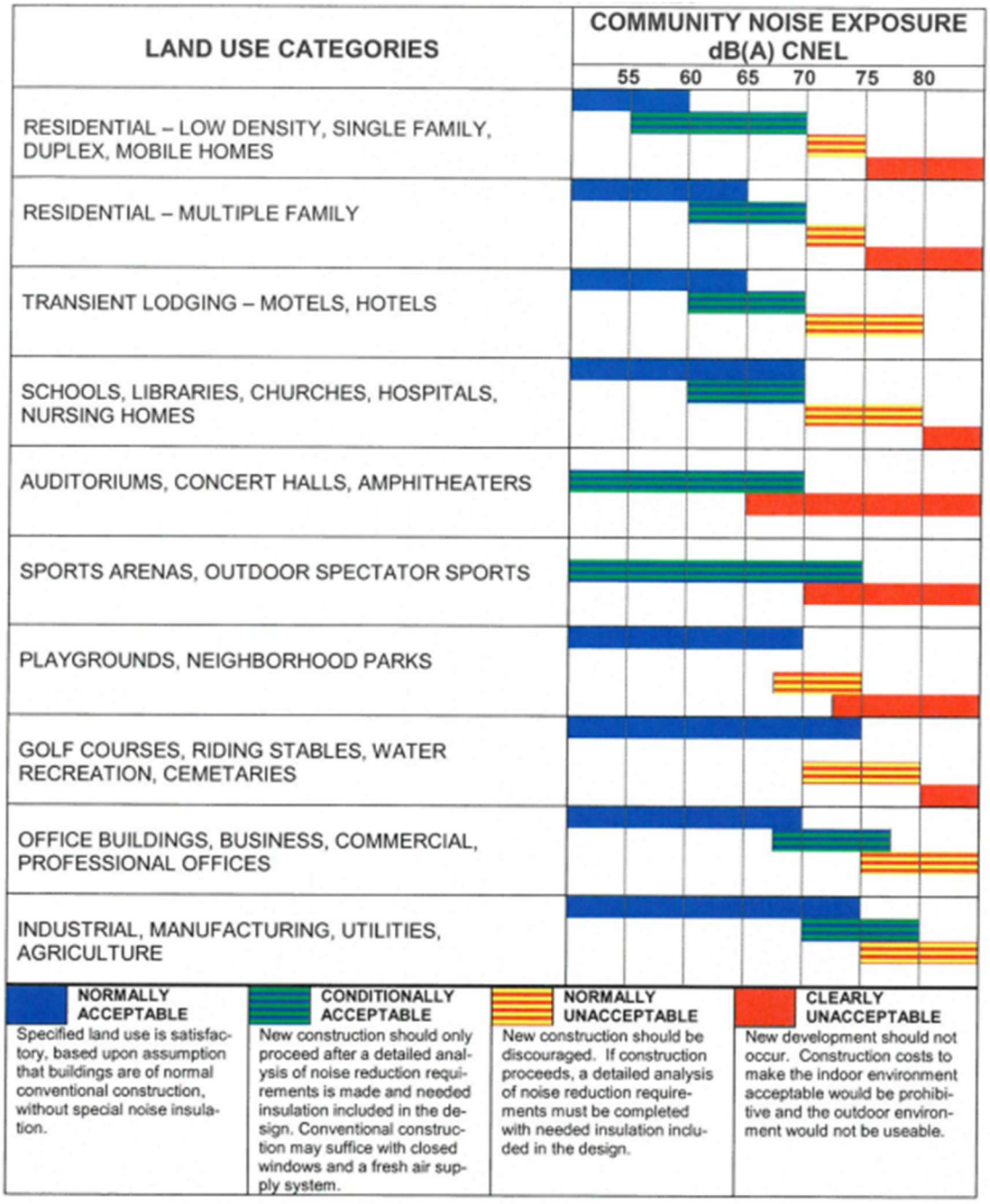
4.2 State Regulations

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the “Land Use Compatibility for Community Noise Environments Matrix.” The matrix allows the local jurisdiction to delineate the compatibility of sensitive uses with various incremental levels of noise.

The State of California has established noise insulation standards as outlined in Title 24 and the California Building Code (CBC) which in some cases requires acoustical analyses to outline exterior noise levels and to ensure interior noise levels do not exceed the interior threshold. The State mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan.

The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable as illustrated in Exhibit D, which presents the City of Norco's adaptation of these guidelines (Table 3.8 of the City of Norco Noise Element).

Exhibit D: Land Use Compatibility Guidelines



4.3 City of Norco Noise Regulations

The City of Norco outlines their noise regulations and standards within the Noise Element from the General Plan and Chapter 9.07 from the Municipal Code.

City of Norco General Plan

Applicable policies and standards governing environmental noise in the City of Norco are set forth in the Noise Element. The City has outlined goals, policies, and implementation measures to reduce potential noise impacts and are presented below:

Goals and Policies
Goals and policies from the Noise Element that would mitigate potential impacts on noise include the following.

2.2 Exterior Noise Control Goal: Control outdoor noise levels to safe and comfortable levels that protect residences and the small plot agricultural/animal-keeping/equestrian lifestyle in the community.

2.2.1 COMMUNITY NOISE CONTROL POLICY: As becomes necessary, the City may consider the adoption of regulations to control noise impacts.

Policy 2.2.1a: One option the City may consider is the adoption of a noise ordinance to regulate the impacts of noise on residential neighborhoods and the small plot agriculture/animal-keeping/equestrian lifestyle of the community.

Policy 2.2.1b: General Plan land uses should be located, as can be reasonably accomplished, to minimize the noise impact conflicts between noise sensitive land uses and noise generators.

2.2.2 CONSTRUCTION NOISE CONTROL POLICY: The City should consider adopting and updating as necessary, regulations to minimize noise impacts from construction sites and equipment to residential areas.

Policy 2.2.2a: New development projects near developed and occupied residential areas should be evaluated for possible submittal of a noise reduction plan prior to the issuance of grading permits.

Policy 2.2.2b: All construction equipment should be equipped with noise attenuation features including mufflers and engine shrouds that are at least as effective as original manufacturer equipment.

Policy 2.2.2c: The City should regulate wherever feasible the hours of operation for construction areas including haul routes that may include residential streets and/or sensitive land uses.

Implementation Measures

4.1 NOISE ORDINANCE
The City may want to consider implementing noise policies that will preserve the small plot agriculture-/animal-keeping/equestrian lifestyle.

4.2 NEW PROJECT DEVELOPMENT REVIEW
Projects that are located in noise-impacted areas should be designed to incorporate the techniques described in Section 3.4 to reduce interior and/or exterior noise levels to acceptable limits. Potential significant noise generators should be required to provide noise analyses in conjunction with project applications to ascertain what noise attenuation measures are appropriate for the anticipated noise impacts.

City of Norco Municipal Code

Chapter 9.07 of the City's Municipal Code further outlines the City's noise regulations.

Section 9.07.020 Exemptions.

I. Private construction; provided, that construction does not occur between the hours of 7:00 p.m. and 7:00 a.m., Monday through Friday and 7:00 p.m. and 8:00 a.m., on Saturday and Sunday, unless specified by permit;

J. Property maintenance, including, but not limited to, the operation of lawnmowers, leaf blowers, etc., provided such maintenance occurs between the hours of 8:00 a.m. and 7:00 p.m.;

L. Heating, exhaust, and air conditioning equipment;

P. Construction-related single events or continuous events subject to a permit issued by the City of Norco. (Ord. 1116 Sec. 1, 2024; Ord. 979 Sec. 1, 2014)

Section 9.07.040 General sound level standards.

No person shall create any sound, or allow the creation of any sound, on any property that causes the exterior sound level on any other occupied property to exceed the sound level standards set forth in Table 1 (Table 2 of this report) or that violates the special sound source standards set forth in Section 9.07.060.

Table 2: City Sound Level Standards (dB, Lmax)

Land Use	Land Use Designation Name	Maximum Decibel Level	
		8AM – 10PM	10PM – 8AM
Community Development	All Residential	55	45
	All Commercial	65	55
Open Space	Conservation	45	45

5.0 Study Method and Procedure

The following section describes the noise modeling procedures and assumptions used for this assessment.

5.1 Noise Measurement Procedure and Criteria

Noise measurements are taken to determine the existing noise levels. A noise receiver or receptor is any location in the noise analysis in which noise might produce an impact. The following criteria are used to select measurement locations and receptors:

- Locations expected to receive the highest noise impacts, such as the first row of houses
- Locations that are acoustically representative and equivalent of the area of concern
- Human land usage
- Sites clear of major obstruction and contamination

All measurements equipment meets American National Standards Institute (ANSI) specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA). MD noise measurement procedures are presented below:

- The sound level meter was calibrated (Piccolo-II) before and after the measurement
- Following the calibration of equipment, a windscreen was placed over the microphone
- Frequency weighting was set on “A” and slow response
- Results of the noise measurements were recorded on field data sheets
- Temperature and sky conditions were observed and documented

5.2 Noise Measurement Locations

The noise monitoring locations were selected to obtain a baseline of the existing noise environment. Two (2) long-term noise measurements were conducted at the Project site. Appendix A includes photos, the field sheet, and measured noise data. Exhibit E illustrates the location of the measurement.

5.3 Stationary Noise Modeling

SoundPLAN (SP) acoustical modeling software was utilized to model future worst-case stationary noise impacts to the adjacent land uses. SP is capable of evaluating multiple stationary noise source impacts at various receiver locations. SP's software utilizes algorithms (based on the inverse square law and reference equipment noise level data) to calculate noise level projections. The software allows the user to input specific noise sources, spectral content, sound barriers, building placement, topography, and sensitive receptor locations. See Appendix B for inputs and outputs.

The future worst-case daytime noise level projections were modeled using referenced sound level data for the various stationary on-site sources (HVAC, parking). The SP model assumes that every noise source is operating simultaneously (worst-case scenario) when the noise will, in reality, be intermittent and

lower in noise level. Measured and referenced sound level data was utilized to model the various stationary on-site noise sources associated with project operation as shown in Table 3 (see Appendix C).

Parking was modeled using the SoundPLAN parking tool. Daytime vehicle movements per hour for each parking lot area were estimated from the trip generation assessment (provided by Integrated Engineering Group) for the proposed project (i.e., 1 movement per parking spot per hour). A total of 11 HVAC units are assumed for the Library Learning Resource Center & Student Services building, each with a capacity of 12.5 tons. Each HVAC unit will have a sound power level of 83 dBA. The units were modeled as point sources located on the rooftop. As a worst-case scenario, the model assumes that all HVAC units are operating simultaneously and continuously. Appendix B provides the SoundPLAN inputs and outputs.

The future worst-case nighttime noise level projections were also modeled. The model assumes that HVAC units are operating throughout the night but that there is no parking lot traffic during nighttime hours.

Table 3: SoundPLAN Modeling Assumptions

Noise Source	Source Type	Reference Level	Descriptor
12.5-Ton HVAC Unit	Point Source	83	dBA, Lw
Parking	Area (Parking Tool)	1	Movement per hr
Source: See Appendix B.			

5.4 Traffic Noise Impact

Per the project's trip generation assessment, as prepared by Integrated Engineering Group, the project is not expected to generate more than 100 new vehicle trips. Therefore, the project is not expected to result in an increase in traffic and qualifies for an exemption from preparing a Transportation Impact Analysis by the City of Norco. Thus, the traffic noise level projections were not analyzed for this project.

5.5 FHWA Roadway Construction Noise Model

The construction noise analysis utilizes the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM), together with several key construction parameters. Key inputs include distance to the sensitive receiver, equipment usage, % usage factor, and baseline parameters for the project site.

The project was analyzed based on the different construction phases. The construction noise calculation output worksheet is in Appendix D.

6.0 Existing Noise Environment

Two (2) 24-hour noise measurements were conducted at the project site to document the existing noise environment. The measurements include the 1-hour Leq, Lmin, Lmax, and other statistical data (e.g. L2, L8). The results of the noise measurements are presented in Tables 4 and 5. Noise measurement field sheets are provided in Appendix A.

Table 4: Long-Term Noise Measurement Data for NM1 (dBA)[1]

Date	Start Time	Stop Time	1-Hour dB(A)							
			L_{EQ}	L_{MAX}	L_{MIN}	L_2	L_8	L_{25}	L_{50}	L_{90}
10/29/2025	11:00 AM	12:00 PM	50.6	64.2	47.9	54.2	51.4	50.4	50.1	49.5
10/29/2025	12:00 PM	1:00 PM	53.7	83	47.8	58.6	53.9	51	50.3	49.4
10/29/2025	1:00 PM	2:00 PM	50	63.2	47.3	53.5	51.5	49.9	49.4	48.8
10/29/2025	2:00 PM	3:00 PM	49.9	63	46.5	52.1	51.1	50.2	49.8	48.5
10/29/2025	3:00 PM	4:00 PM	49.3	65.4	45.1	52.6	50.5	49.5	48.7	47.5
10/29/2025	4:00 PM	5:00 PM	49	60.4	45.8	51.2	50.4	49.3	48.6	48.1
10/29/2025	5:00 PM	6:00 PM	50.3	65.4	46.8	53.4	51.8	50.4	49.8	48.6
10/29/2025	6:00 PM	7:00 PM	50.9	63.9	48	52.4	51.8	51	50.6	49.9
10/29/2025	7:00 PM	8:00 PM	51.3	64.8	49	55.4	52.3	51.1	50.8	50.1
10/29/2025	8:00 PM	9:00 PM	51.1	67.1	49.3	53.8	52.2	51.2	50.9	50.2
10/29/2025	9:00 PM	10:00 PM	52.1	59.3	50	53.5	52.9	52.5	52.1	51
10/29/2025	10:00 PM	11:00 PM	51.8	66.9	50.3	53.3	52.5	52.1	51.7	51.2
10/29/2025	11:00 PM	12:00 AM	51.4	65.8	50.1	52.5	51.8	51.6	51.4	50.9
10/30/2025	12:00 AM	1:00 AM	51.7	59.5	49.1	52.8	52.5	52.1	51.8	51.2
10/30/2025	1:00 AM	2:00 AM	52.1	56.4	50.1	54.1	53.1	52.6	51.9	51.1
10/30/2025	2:00 AM	3:00 AM	52.1	55.7	50.6	53.2	52.9	52.5	52.1	51.4
10/30/2025	3:00 AM	4:00 AM	52.3	57.9	48.9	53.8	53.1	52.7	52.3	51
10/30/2025	4:00 AM	5:00 AM	54.8	59.8	50.2	56.6	56.1	55.5	55.1	52.3
10/30/2025	5:00 AM	6:00 AM	55.4	63.6	53.1	57.7	57	56.3	55.1	54
10/30/2025	6:00 AM	7:00 AM	55.6	77.4	53.4	59.3	56.3	55.5	55.2	54.3
10/30/2025	7:00 AM	8:00 AM	55.5	67.4	53.5	56.6	56.4	55.9	55.5	54.6
10/30/2025	8:00 AM	9:00 AM	55.2	66.4	52.4	58.7	56.6	55.8	54.7	53.4
10/30/2025	9:00 AM	10:00 AM	53.6	72.5	51.3	58	55.3	53.2	52.8	52.5
10/30/2025	10:00 AM	11:00 AM	52.4	70.3	49.4	56.1	53.4	52.4	51.8	51
CNEL			59.8							

Notes:
[1.] Long-term noise monitoring location NM1 is illustrated in Exhibit E. The quietest hourly daytime noise interval is highlighted in yellow. The quietest nighttime noise interval is highlighted in blue.

Table 5: Long-Term Noise Measurement Data for NM2 (dBA)[1]

Date	Start Time	Stop Time	1-Hour dB(A)							
			L_{EQ}	L_{MAX}	L_{MIN}	L_2	L_8	L_{25}	L_{50}	L_{90}
10/29/2025	11:00 AM	12:00 PM	62.5	90.5	45.4	67.8	63.6	59.3	56.7	53.2
10/29/2025	12:00 PM	1:00 PM	61.8	81	46.2	67.9	66	62.6	58.5	54.1
10/29/2025	1:00 PM	2:00 PM	61.4	87.4	43.5	69.6	62.3	58	54.8	49.9
10/29/2025	2:00 PM	3:00 PM	61.2	83.6	42.9	69	64.2	61.4	58.5	54.3
10/29/2025	3:00 PM	4:00 PM	59.2	83.8	40.9	66.7	64.6	58.8	55.3	52
10/29/2025	4:00 PM	5:00 PM	57.3	78.9	43.2	63.3	60.3	57.7	55	52.5
10/29/2025	5:00 PM	6:00 PM	58.3	81.6	45.2	65.7	60.7	58.4	56.1	52.3
10/29/2025	6:00 PM	7:00 PM	60.7	86.8	44.4	70.5	63.9	58	54.4	51.2
10/29/2025	7:00 PM	8:00 PM	55.2	79.5	44.3	64	58.4	54.2	51.5	48.3
10/29/2025	8:00 PM	9:00 PM	57.4	81.6	45.3	66.3	59.4	56	54.3	50.4
10/29/2025	9:00 PM	10:00 PM	57.6	79.1	49.1	62	59.5	57.1	55.8	53
10/29/2025	10:00 PM	11:00 PM	53.4	71.6	47	57.2	56.1	54.1	53	50.6
10/29/2025	11:00 PM	12:00 AM	50.4	60.8	46.6	52.8	52.2	50.8	50.2	48.9
10/30/2025	12:00 AM	1:00 AM	51.4	61.1	46.2	53.9	53.2	52.2	51.1	49.7
10/30/2025	1:00 AM	2:00 AM	53.1	62.2	46.1	56.3	55.5	54.6	53	48.5
10/30/2025	2:00 AM	3:00 AM	52.6	73.8	47.2	55.1	53.3	52.5	51.7	49.7
10/30/2025	3:00 AM	4:00 AM	53.5	61.9	48.1	56.7	56.2	54.8	52.6	50.6
10/30/2025	4:00 AM	5:00 AM	58.4	83.7	50.7	60.3	59.3	57.9	56.3	53.1
10/30/2025	5:00 AM	6:00 AM	58.6	72.7	53.2	62.1	60.5	59.8	58.6	54.9
10/30/2025	6:00 AM	7:00 AM	57.9	73.6	54.1	61.1	59.5	58.1	57.6	56
10/30/2025	7:00 AM	8:00 AM	61.9	79	54.7	66	64.7	62.9	61.3	58
10/30/2025	8:00 AM	9:00 AM	61.1	85.1	51.2	69	64.8	60.4	57.6	54.6
10/30/2025	9:00 AM	10:00 AM	65.5	94.1	50.5	70.6	66.3	62.2	60	55.6
10/30/2025	10:00 AM	11:00 AM	61	86.2	47.2	70.4	63.5	59	56.4	52.9
CNEL			63.4							

Notes:
[1.] Long-term noise monitoring location NM2 is illustrated in Exhibit E. The quietest hourly daytime noise interval is highlighted in yellow. The quietest nighttime noise interval is highlighted in blue.

The data presented in Tables 4 and 5 indicate that ambient noise levels range between 49 and 56 dBA Leq at NM1 and 50 and 66 dBA Leq at NM2. The CNEL was measured as 60 dBA at NM1 and 63 dBA at NM2. The quietest daytime level ranged from 49 to 55 dBA Leq and is highlighted in yellow in each Table. The quietest nighttime level ranged from 50 to 51 dBA Leq and is highlighted in blue in each Table. The field data indicates that traffic along Third Street and noise from the college are the dominant noise sources.

X = Long-Term Measurement Location

Exhibit E

Measurement Locations

7.0 Future Noise Environment Impacts and Mitigation

This assessment analyzes future noise impacts to sensitive receptors and the project and compares the results to the City's Noise Standards. The analysis details the estimated exterior noise levels associated with traffic from adjacent roadway sources. The City has established different significance thresholds for different types of noise impacts.

7.1 Future Off-Site Exterior Noise

The exterior noise level off-site of the project will be impacted by transportation-related sources and stationary sources from the site. The following outlines the impacts associated with exterior noise levels.

7.1.1 Noise Impacts to Off-Site Receptors Due to Stationary Sources

Sensitive receptors that may be affected by project operational noise include existing residences to the south. The worst-case stationary noise was modeled using SoundPLAN acoustical modeling software. Worst-case assumes that all equipment is always operational, when in reality, the noise will be intermittent and cycle on/off depending on customer usage.

A total of two (2) receptors were modeled to evaluate the proposed project's operational impact. Exhibit F shows the projected levels at these receptors. A receptor is denoted by a yellow dot. Receptors 1 and 2 represent existing residential uses.

This study compares the Project's operational plus ambient noise levels to the ambient only condition during daytime hours since the proposed building will be closed during nighttime hours.

Project-Only Levels

Exhibit F shows the daytime "Project-Only" noise levels and contours at the nearest sensitive receptors. Daytime operation assumes that HVAC equipment is operating simultaneously and continuously, and that the peak hour project-generated trips occur in each parking area.

The model indicates that the project-only noise levels during daytime operation are 52 dBA Leq at R1 and 53 dBA Leq at R2. The project-only noise levels thus meet the City's daytime noise level limit of 55 dBA Leq for residential uses.

Project Plus Ambient Operational Noise Levels

Table 6 presents the ambient noise level, the project's noise level, and the combined project plus ambient noise level condition for daytime hours. As a worst-case scenario, MD compared the project operational noise level to the quietest existing daytime hourly noise level (49 dBA Leq at 4 PM) to show the maximum potential noise impact due to the project.

Table 6: Worst-Case Predicted Daytime Operational Leq Noise Levels (dBA)

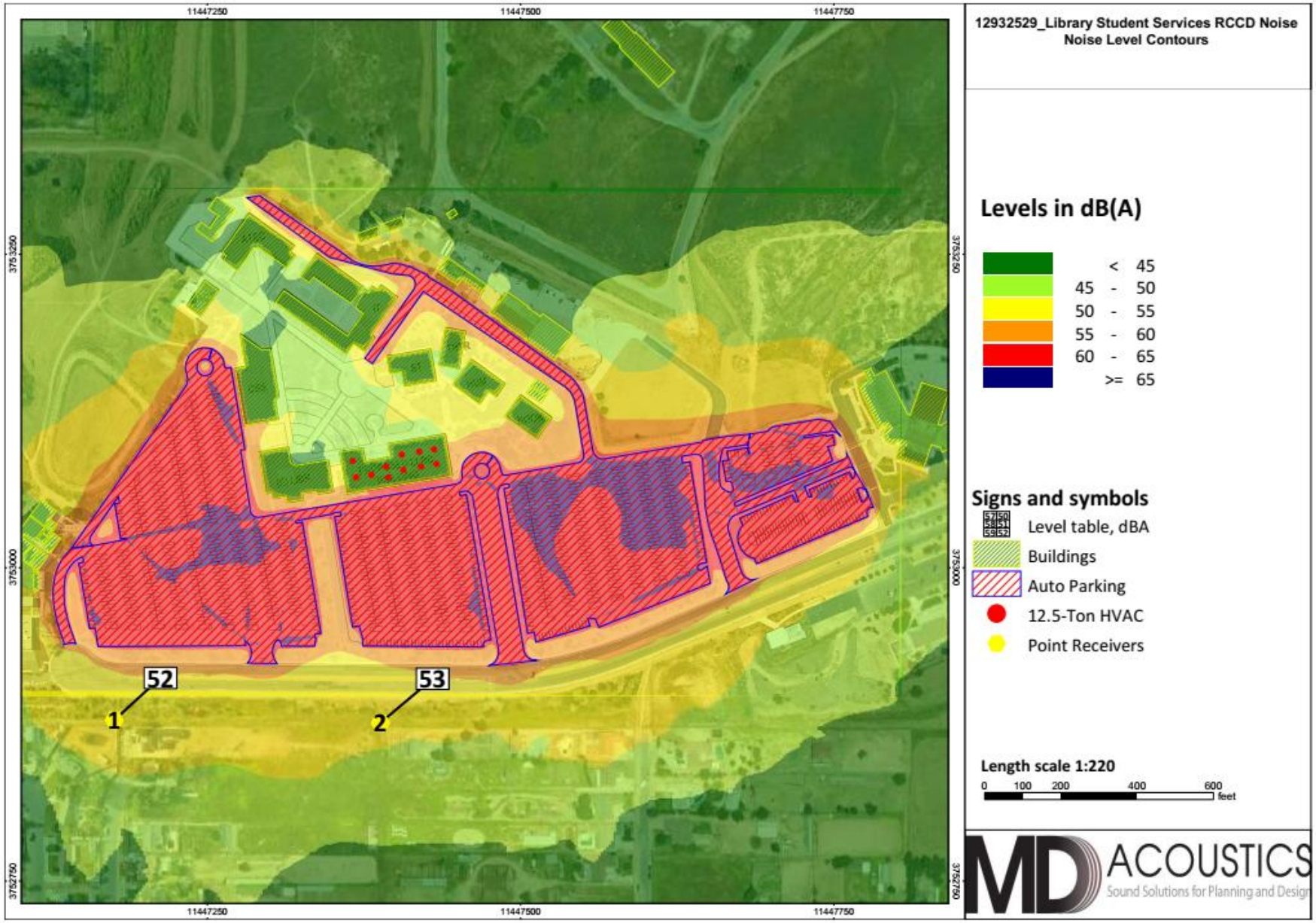
Receptor[1]	Existing Ambient Noise Level (dBA, Leq)[2]	Project Noise Level (dBA, Leq)[3]	Maximum Permitted Daytime Noise Level (dBA, Leq)[4]	Total Combined Noise Level (dBA, Leq)	Change in Noise Level as Result of Project
1	49	52	**55**	54	5
2	49	53	**55**	55	6

Notes:
[1.] Receptors 1 and 2 represent nearby residential uses.
[2.] See Appendix A for the ambient noise measurement.
[3.] See Exhibit F for the daytime operational noise level projections at said receptors.
[4.] See Table 1 of the City's Municipal Code.

As shown in Table 6, project-only noise levels will meet the daytime exterior noise limits for residential uses as defined in Table 1 (Table 2 of this report) of the City's Municipal Code. Project plus ambient noise will increase the existing ambient levels at the nearby residential uses by up to 6 dB, but will be below the maximum permitted daytime noise level at residential uses set forth by the City. Therefore, the change in noise level will comply with the City's noise standards.

Exhibit F

Daytime Operational Noise Levels dBA, Leq



8.0 Construction Noise and Vibration Impacts

The degree of construction noise may vary for different areas of the project site and also vary depending on the construction activities. Project construction will occur in six (6) phases: demolition, site preparation, grading, building construction, architectural coating, and trenching. This section summarizes and discusses noise and ground-borne vibration modeling efforts, impact analysis, and mitigation, if necessary.

8.1 Construction Noise

Typical construction equipment noise levels are presented in Table 7.

Table 7: Typical Construction Equipment Noise Levels[1]

EQUIPMENT POWERED BY INTERNAL COMBUSTION ENGINES

Type	Noise Levels (dBA) at 50 Feet
Earth Moving	
Compactors (Ground)	80
Front Loaders	80
Backhoes	80
Tractors	84
Scrapers, Graders	85
Pavers	85
Trucks	84
Materials Handling	
Concrete Mixers	85
Concrete Pumps	82
Cranes	85
Stationary	
Pumps	77
Generators	82
Compressors	80

Notes:
[1] Referenced Noise Levels from the FHWA Construction Noise Handbook

Construction noise associated with each phase of the project was calculated at nearby sensitive receptors utilizing methodology presented in the Federal Highway Administration (FHWA) Construction Noise Model together with several key construction parameters including distance to each sensitive receiver, equipment usage, percent usage factor, and baseline parameters for the project site. Construction was modeled from the center of the proposed building to the nearest residential uses to the south. The trenching phase was modeled from the center of the closest trenching site to the same residential uses.

Noise levels associated with each of the six phases are shown in Table 8. The construction noise calculation output worksheet is located in Appendix D.

Table 8: Construction Noise Level by Phase (dBA, Leq)

Location	Phase	Construction Noise Level (dBA, Leq)
South Residential	Demo	64.7
	Prep	61.8
	Grade	63.1
	Build	60.6
	Arch Coat	51.2
	Trench	60.1

As shown in Table 8, project construction noise will range between 51 to 65 dBA Leq at the nearest sensitive receptors, which are the residential uses south of the project. Noise levels at other sensitive receptors will be insignificant due to increased distance.

The Project will be required to adhere to Section 9.07.020 of the City of Norco Municipal Code which outlines the allowed times for construction. Construction should also adhere to Policies 2.2.2a-c found in the City's General Plan Noise Element. With adherence to the City's requirements on construction, the impact is less than significant.

8.2 Construction Vibration

Construction activities can produce vibration that may be felt by adjacent land uses. The construction of the proposed project would not require the use of equipment such as pile drivers, which are known to generate substantial construction vibration levels. The primary vibration source during construction may be from a large bulldozer. A large bulldozer has a vibration impact of 0.089 inches per second peak particle velocity (PPV) at 25 feet which is perceptible and can be a risk to nearby fragile structures.

The fundamental equation used to calculate vibration propagation through average soil conditions and distance is as follows:

$$PPV_{equipment} = PPV_{ref} (100/D_{rec})^{n}$$

Where: PPV_{ref} = reference PPV at 100ft.
D_{rec} = distance from equipment to receiver in ft.
n = 1.1 (the value related to the attenuation rate through the ground)

The thresholds from the Caltrans Transportation and Construction Induced Vibration Guidance Manual in Table 9 (below) provides general thresholds and guidelines as to the vibration damage potential from vibratory impacts.

Table 9: Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Table 19, Transportation and Construction Vibration Guidance Manual, Caltrans, Sept. 2013.
Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

Table 10 gives approximate vibration levels for particular construction activities. This data provides a reasonable estimate for a wide range of soil conditions.

Table 10: Vibration Source Levels for Construction Equipment

Equipment	Peak Particle Velocity (inches/second) at 25 feet	Approximate Vibration Level LV (dVB) at 25 feet
Pile driver (impact)	1.518 (upper range)	112
	0.644 (typical)	104
Pile driver (sonic)	0.734 upper range	105
	0.170 typical	93
Clam shovel drop (slurry wall)	0.202	94
Hydromill	0.008 in soil	66
(slurry wall)	0.017 in rock	75
Vibratory Roller	0.21	94
Hoe Ram	0.089	87
Large bulldozer	0.089	87
Caisson drill	0.089	87
Loaded trucks	0.076	86
Jackhammer	0.035	79
Small bulldozer	0.003	58

Source: Transit Noise and Vibration Impact Assessment, Federal Transit Administration, May 2018.

The nearest existing sensitive use buildings are 330 feet southwest of the edge of the project site's trenching areas. At this distance, a large bulldozer would yield a worst-case 0.005 PPV (in/sec), which is below the threshold for older residential structures and will not result in architectural damage. Therefore, the impact is not significant. The ground-borne vibration worksheet is provided in Appendix E.

9.0 CEQA Analysis

The California Environmental Quality Act Guidelines (Appendix D) establishes thresholds for noise impact analysis as presented below:

(a) Would the project result in the generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise Code, or applicable standards of other agencies?

Transportation Noise Impacts

Per the project's trip generation assessment, as prepared by Integrated Engineering Group, the project is not expected to generate more than 100 new vehicle trips. Therefore, the project is not expected to result in an increase in traffic and qualifies for an exemption from preparing a Transportation Impact Analysis by the City of Norco. Thus, the impact is less than significant.

Stationary Noise Sources

Stationary noise impacts would be considered significant if they result in exceedances specified by Table 1 (Table 2 of this report) of the City's Municipal Code. Implementation of the proposed project may result in stationary noise related to rooftop HVAC units and parking. All equipment is required to meet the stationary noise limits of 55 dBA Leq at the adjacent residential uses.

Operational noise levels at the residential uses are expected to reach up to 53 dBA Leq during the day. This noise level meets the City's daytime noise standard of 55 dBA. Therefore, the impact would be less than significant.

Construction Noise and Vibration

Construction noise will not be significant if construction activities follow established hours of operation in accordance with Section 9.07.020 of the City's Municipal Code.

The on-site demolition construction activities will generate the highest temporary noise levels. The loudest construction equipment on the site will be tractors, graders, scrapers, and dozers. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full power operation followed by 3 or 4 minutes at lower power settings. The maximum Leq level for the loudest phase of construction is expected to be 64.7 dBA Leq at the nearest existing residential uses to the south. These levels are below the FTA recommended limit of 80 dBA Leq for residential uses (refer to Table 7-3 of the FTA Noise and Vibration Manual).

b) Generate excessive ground-borne vibration or ground-borne noise levels?

There is no operational vibration.

Construction vibration will be significant if vibration exceeds levels that would result in structural damage to existing buildings. Construction activity could occur as close as 330 feet away from the nearest buildings, which are the residential buildings to the southwest. At 330 feet away, a large bulldozer would yield a worst-case 0.005 PPV (in/sec) which is below the threshold for older residential structures. Construction activity is not expected to fall within the limits of structural damage, and therefore, the impact is less than significant.

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

The project site is located over 2 miles from the nearest airport, the Corona Municipal Airport, and outside the airport's influence area boundary. Therefore, no substantial noise exposure from airport noise would occur and it would have no impact.

10.0 References

City of Norco
General Plan Noise Element
Municipal Code Chapter 9.07 – Noise Regulations

California Department of Transportation (Caltrans)
2013 Transportation and Construction Induced Vibration Guidance Manual.
2018 Technical Noise Supplement to the Traffic Noise Analysis Protocol. Sept.

Federal Highway Administration (FHWA)
2006 Construction Noise Handbook

Federal Transit Administration (FTA)
2018 Transit Noise and Vibration Impact Assessment Manual

Governor's Office of Planning and Research
1998 State of California General Plan Guidelines

SoundPLAN International, LLC
2019 SoundPLAN Essential 8.1 Manual.

Appendix A:

Field Measurement Data

24-Hour Continuous Noise Measurement Datasheet - NM1, NM2

Project Name:	Library Student Services RCCD Noise
Project: #/Name:	1293-2025-029
Site Address/Location:	2001 Third St, Norco, CA 92860
Date:	10/29/2025
Field Tech/Engineer:	Jason Schuyler

Site Observations:

75F, mostly clear skies, winds 0-7MPH. The primary noise source for NM1 is traffic, for NM2, the primary noise source is student talking and pedestrian noise.

Sound Meter:	Piccolo 2, Soft dB	**SN:**	P0220030906
Settings:	A-weighted, slow, 1-min, 24-hour duration		
Site Id:	NM1, NM2		

24-Hour Continuous Noise Measurement Datasheet - Cont. - NM1, NM2

Project Name:	Library Student Services RCCD Noise	**Calibrator:**	Larson Davis Cal 200	
Site Address/Location:	2001 Third St, Norco, CA 92860	**Cal Check: Pre-test:**	0 **Post Test:**	.03
Site Id:	NM1, NM2			

Figure 1: NM1

Figure 2: NM1

Figure 3: NM2

24-Hour Continuous Noise Measurement Datasheet - Cont. - NM1

Project Name:	Library Student Services RCCD Noise	**Site Topo:**	flat	**Day:** 1 of 2	
Site Address/Location:	2001 Third St, Norco, CA 92860	**Meteorological Cond.:**		**Noise Source(s) w/ Distance:**	
Site Id:	NM1	**Ground Type:**	hard	Third St. @78 ft	

Table 1: Baseline Noise Measurement Summary

Date	Start	Stop	Leq	Lmax	Lmin	L2	L8	L25	L50	L90
10/29/2025	11:00 AM	12:00 PM	50.6	64.2	47.9	54.2	51.4	50.4	50.1	49.5
10/29/2025	12:00 PM	1:00 PM	53.7	83	47.8	58.6	53.9	51	50.3	49.4
10/29/2025	1:00 PM	2:00 PM	50	63.2	47.3	53.5	51.5	49.9	49.4	48.8
10/29/2025	2:00 PM	3:00 PM	49.9	63	46.5	52.1	51.1	50.2	49.8	48.5
10/29/2025	3:00 PM	4:00 PM	49.3	65.4	45.1	52.6	50.5	49.5	48.7	47.5
10/29/2025	4:00 PM	5:00 PM	49	60.4	45.8	51.2	50.4	49.3	48.6	48.1
10/29/2025	5:00 PM	6:00 PM	50.3	65.4	46.8	53.4	51.8	50.4	49.8	48.6
10/29/2025	6:00 PM	7:00 PM	50.9	63.9	48	52.4	51.8	51	50.6	49.9
10/29/2025	7:00 PM	8:00 PM	51.3	64.8	49	55.4	52.3	51.1	50.8	50.1
10/29/2025	8:00 PM	9:00 PM	51.1	67.1	49.3	53.8	52.2	51.2	50.9	50.2
10/29/2025	9:00 PM	10:00 PM	52.1	59.3	50	53.5	52.9	52.5	52.1	51
10/29/2025	10:00 PM	11:00 PM	51.8	66.9	50.3	53.3	52.5	52.1	51.7	51.2
10/29/2025	11:00 PM	12:00 AM	51.4	65.8	50.1	52.5	51.8	51.6	51.4	50.9
10/30/2025	12:00 AM	1:00 AM	51.7	59.5	49.1	52.8	52.5	52.1	51.8	51.2
10/30/2025	1:00 AM	2:00 AM	52.1	56.4	50.1	54.1	53.1	52.6	51.9	51.1
10/30/2025	2:00 AM	3:00 AM	52.1	55.7	50.6	53.2	52.9	52.5	52.1	51.4
10/30/2025	3:00 AM	4:00 AM	52.3	57.9	48.9	53.8	53.1	52.7	52.3	51
10/30/2025	4:00 AM	5:00 AM	54.8	59.8	50.2	56.6	56.1	55.5	55.1	52.3
10/30/2025	5:00 AM	6:00 AM	55.4	63.6	53.1	57.7	57	56.3	55.1	54
10/30/2025	6:00 AM	7:00 AM	55.6	77.4	53.4	59.3	56.3	55.5	55.2	54.3
10/30/2025	7:00 AM	8:00 AM	55.5	67.4	53.5	56.6	56.4	55.9	55.5	54.6
10/30/2025	8:00 AM	9:00 AM	55.2	66.4	52.4	58.7	56.6	55.8	54.7	53.4
10/30/2025	9:00 AM	10:00 AM	53.6	72.5	51.3	58	55.3	53.2	52.8	52.5
10/30/2025	10:00 AM	11:00 AM	52.4	70.3	49.4	56.1	53.4	52.4	51.8	51

	DNL	59.6	CNEL	59.8

24-Hour Continuous Noise Measurement Datasheet - Cont. - NM2

Project Name:	Library Student Services RCCD Noise	**Site Topo:**	flat	**Day:** 2 of 2	
Site Address/Location:	2001 Third St, Norco, CA 92860	**Meteorological Cond.:**		**Noise Source(s) w/ Distance:**	
Site Id:	NM2	**Ground Type:**	hard	Third St. @478 ft	

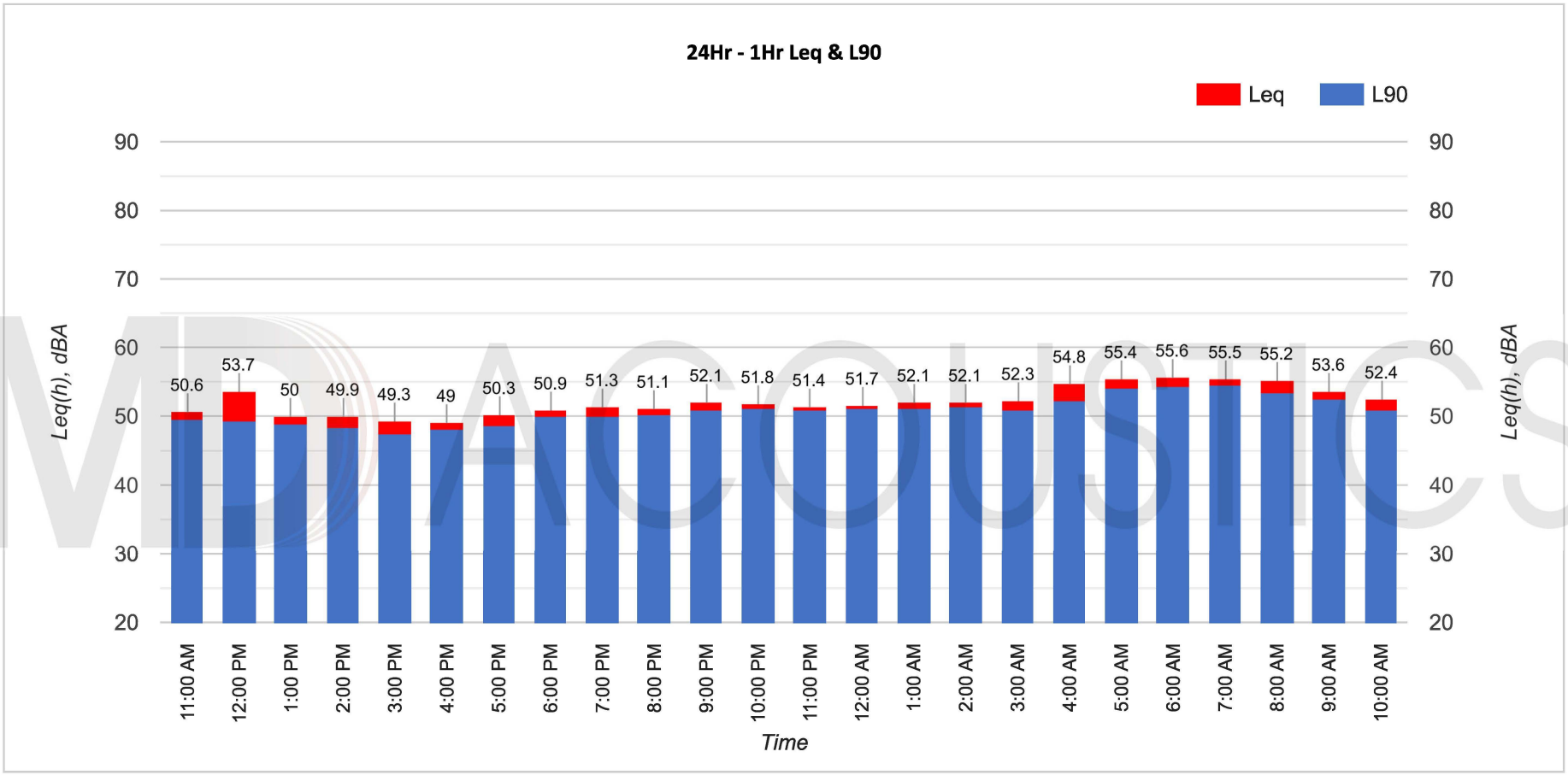
Table 2: Baseline Noise Measurement Summary

Date	Start	Stop	Leq	Lmax	Lmin	L2	L8	L25	L50	L90
10/29/2025	11:00 AM	12:00 PM	62.5	90.5	45.4	67.8	63.6	59.3	56.7	53.2
10/29/2025	12:00 PM	1:00 PM	61.8	81	46.2	67.9	66	62.6	58.5	54.1
10/29/2025	1:00 PM	2:00 PM	61.4	87.4	43.5	69.6	62.3	58	54.8	49.9
10/29/2025	2:00 PM	3:00 PM	61.2	83.6	42.9	69	64.2	61.4	58.5	54.3
10/29/2025	3:00 PM	4:00 PM	59.2	83.8	40.9	66.7	64.6	58.8	55.3	52
10/29/2025	4:00 PM	5:00 PM	57.3	78.9	43.2	63.3	60.3	57.7	55	52.5
10/29/2025	5:00 PM	6:00 PM	58.3	81.6	45.2	65.7	60.7	58.4	56.1	52.3
10/29/2025	6:00 PM	7:00 PM	60.7	86.8	44.4	70.5	63.9	58	54.4	51.2
10/29/2025	7:00 PM	8:00 PM	55.2	79.5	44.3	64	58.4	54.2	51.5	48.3
10/29/2025	8:00 PM	9:00 PM	57.4	81.6	45.3	66.3	59.4	56	54.3	50.4
10/29/2025	9:00 PM	10:00 PM	57.6	79.1	49.1	62	59.5	57.1	55.8	53
10/29/2025	10:00 PM	11:00 PM	53.4	71.6	47	57.2	56.1	54.1	53	50.6
10/29/2025	11:00 PM	12:00 AM	50.4	60.8	46.6	52.8	52.2	50.8	50.2	48.9
10/30/2025	12:00 AM	1:00 AM	51.4	61.1	46.2	53.9	53.2	52.2	51.1	49.7
10/30/2025	1:00 AM	2:00 AM	53.1	62.2	46.1	56.3	55.5	54.6	53	48.5
10/30/2025	2:00 AM	3:00 AM	52.6	73.8	47.2	55.1	53.3	52.5	51.7	49.7
10/30/2025	3:00 AM	4:00 AM	53.5	61.9	48.1	56.7	56.2	54.8	52.6	50.6
10/30/2025	4:00 AM	5:00 AM	58.4	83.7	50.7	60.3	59.3	57.9	56.3	53.1
10/30/2025	5:00 AM	6:00 AM	58.6	72.7	53.2	62.1	60.5	59.8	58.6	54.9
10/30/2025	6:00 AM	7:00 AM	57.9	73.6	54.1	61.1	59.5	58.1	57.6	56
10/30/2025	7:00 AM	8:00 AM	61.9	79	54.7	66	64.7	62.9	61.3	58
10/30/2025	8:00 AM	9:00 AM	61.1	85.1	51.2	69	64.8	60.4	57.6	54.6
10/30/2025	9:00 AM	10:00 AM	65.5	94.1	50.5	70.6	66.3	62.2	60	55.6
10/30/2025	10:00 AM	11:00 AM	61	86.2	47.2	70.4	63.5	59	56.4	52.9

DNL	63.1	CNEL	63.4	

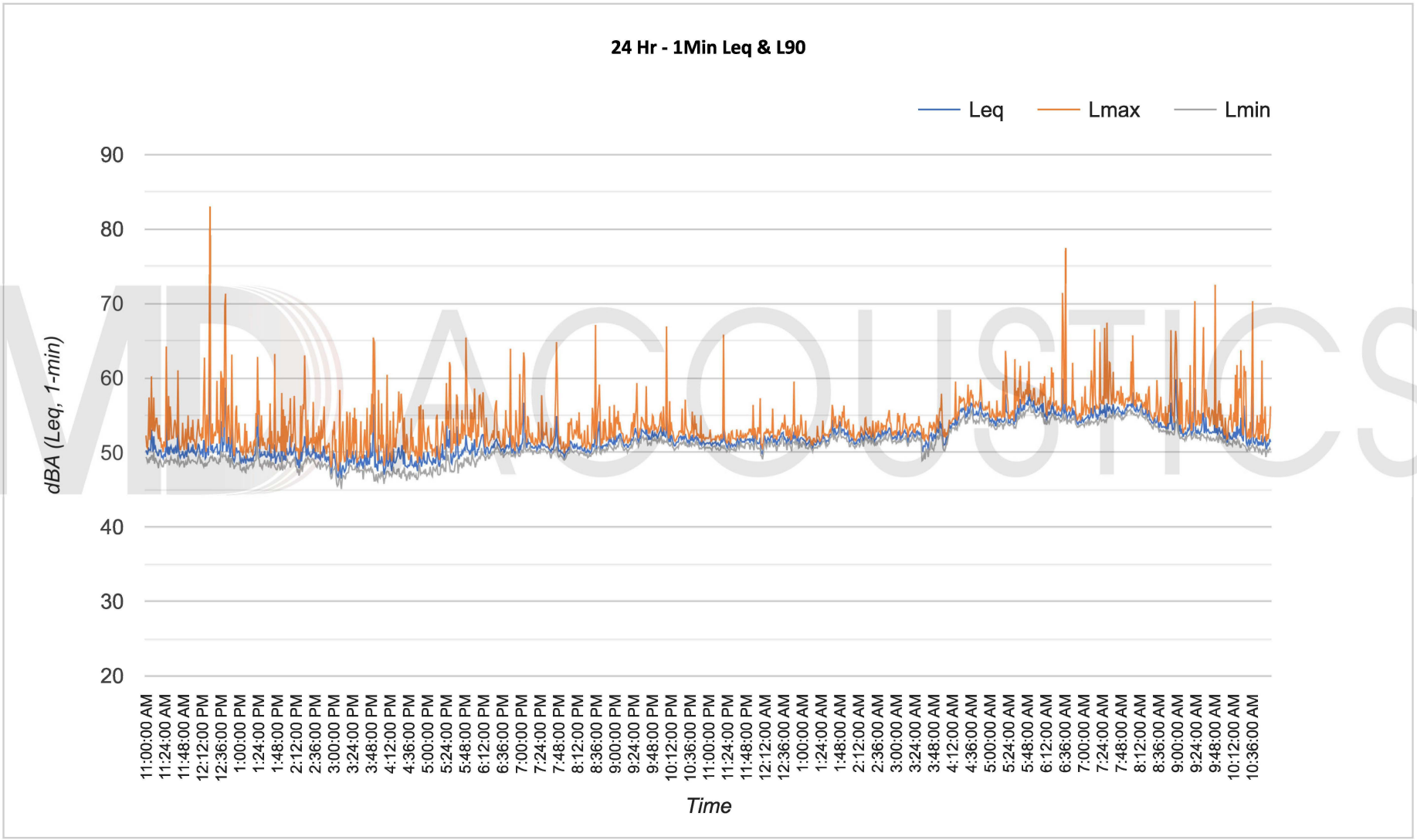
24-Hour Continuous Noise Measurement Datasheet - Cont. - NM1

Project Name:	Library Student Services RCCD Noise	**Site Topo:**	flat	**Day:** 1 of 2	
Site Address/Location:	2001 Third St, Norco, CA 92860	**Meteorological Cond.:**		**Noise Source(s) w/ Distance:**	
Site Id:	NM1	**Ground Type:**	hard	Third St. @78 ft	



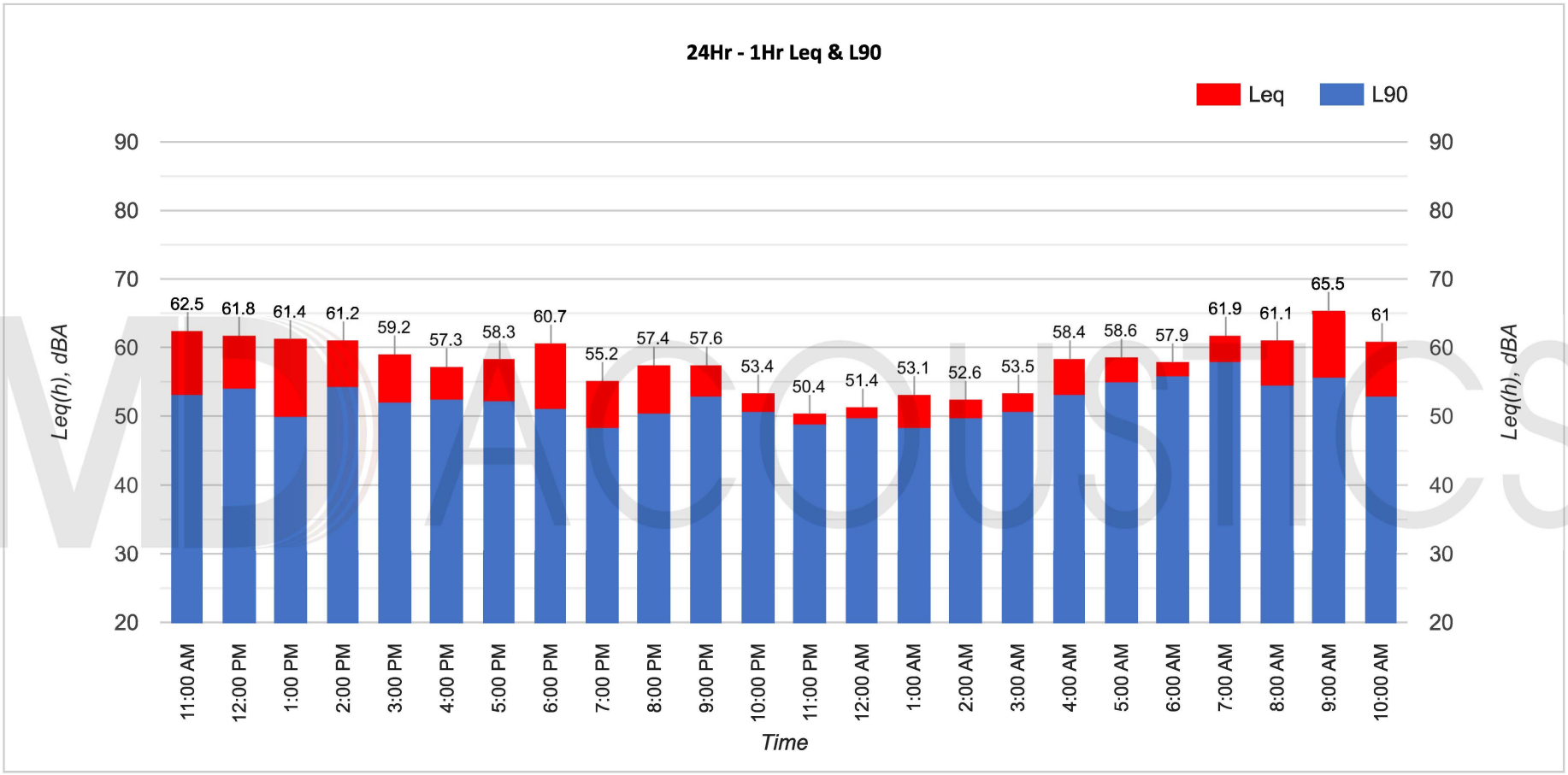
24-Hour Continuous Noise Measurement Datasheet - Cont. - NM1

Project Name:	Library Student Services RCCD Noise	**Site Topo:**	flat	**Day:** 1 of 2	
Site Address/Location:	2001 Third St, Norco, CA 92860	**Meteorological Cond.:**		**Noise Source(s) w/ Distance:**	
Site Id:	NM1	**Ground Type:**	hard	Third St. @78 ft	



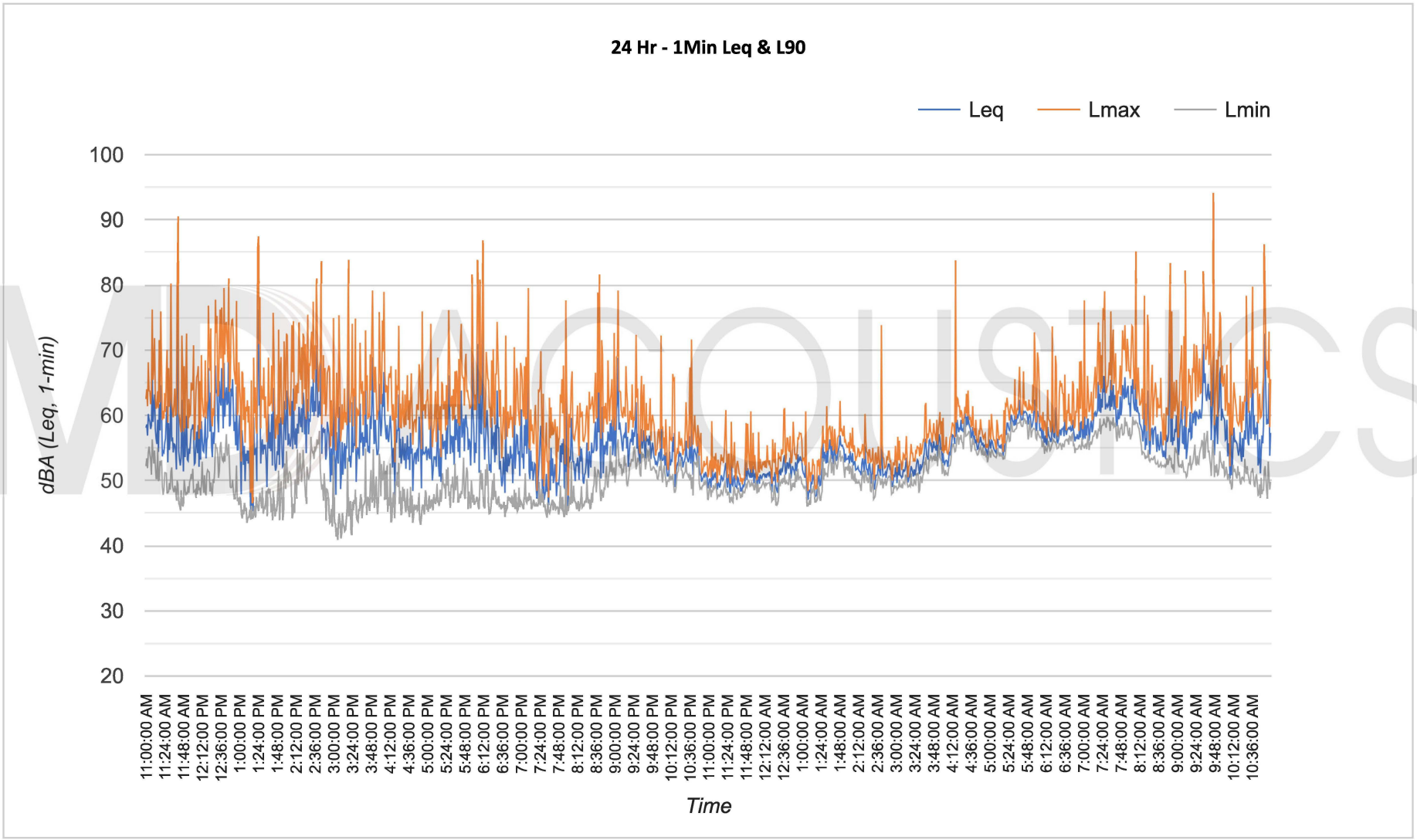
24-Hour Continuous Noise Measurement Datasheet - Cont. - NM2

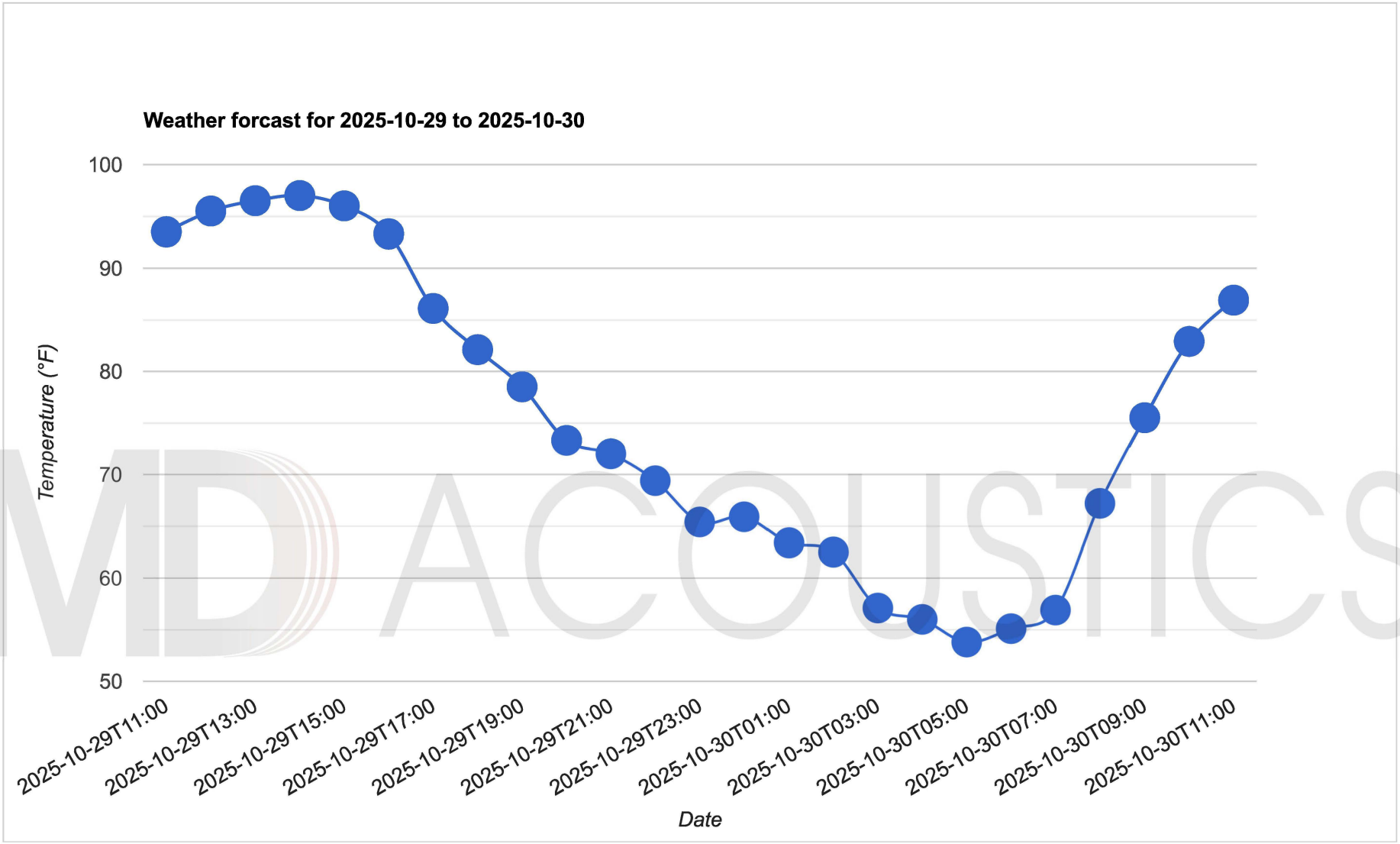
Project Name:	Library Student Services RCCD Noise	**Site Topo:**	flat	**Day:** 1 of 2	
Site Address/Location:	2001 Third St, Norco, CA 92860	**Meteorological Cond.:**		**Noise Source(s) w/ Distance:**	
Site Id:	NM2	**Ground Type:**	hard	Third St. @478 ft	



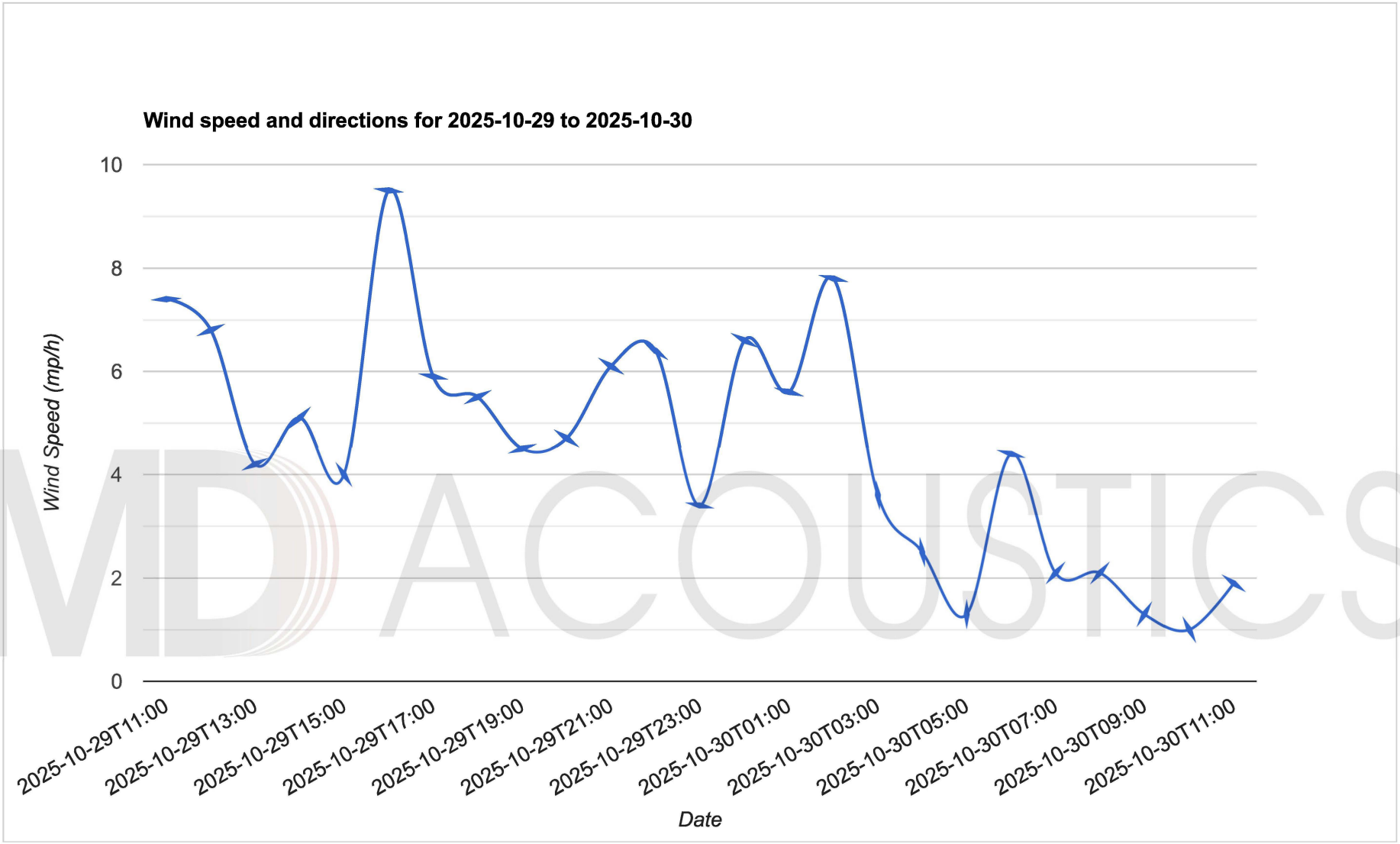
24-Hour Continuous Noise Measurement Datasheet - Cont. - NM2

Project Name:	Library Student Services RCCD Noise	**Site Topo:**	flat	**Day:** 1 of 2	
Site Address/Location:	2001 Third St, Norco, CA 92860	**Meteorological Cond.:**		**Noise Source(s) w/ Distance:**	
Site Id:	NM2	**Ground Type:**	hard	Third St. @478 ft	





Source: Global Forecast System (GFS) weather forcast model



Source: Global Forecast System (GFS) weather forcast model

Appendix B:

SoundPLAN Input/Outputs

Library Student Services RCCD Noise
Contribution spectra - 001 - Library Student Services RCCD: Outdoor SP

Time slice	Sum	25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz	12.5kHz	16kHz	20kHz	
	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
Receiver R1 Fl G Lr,lim dB(A) Leq,d 51.8 dB(A)																																
Leq,d	51.7					37.8			47.6			36.8			42.3			44.6			44.5			38.7			23.5			-9.4		
Leq,d	18.2	-32.0	-26.0	-22.0	-9.0	-4.1	-10.1	-1.0	0.9	-0.2	0.7	0.7	2.6	4.2	5.1	9.0	11.1	6.9	8.6	9.3	6.6	6.4	1.4	-0.5	-7.2	-14.4	-30.1	-50.9	-74.8			
Leq,d	16.7	-32.9	-26.9	-22.9	-9.9	-5.0	-11.0	-2.5	-0.6	-1.7	-0.5	-0.6	1.3	2.9	3.9	7.7	9.8	5.5	7.1	7.7	4.7	4.2	-1.2	-3.8	-11.6	-20.4	-38.5	-62.7	-91.5			
Leq,d	17.1	-32.6	-26.6	-22.6	-9.6	-4.7	-10.7	-2.2	-0.3	-1.4	-0.3	-0.3	1.6	3.2	4.2	8.0	10.1	5.8	7.5	8.1	5.1	4.7	-0.7	-3.2	-10.7	-19.3	-37.0	-60.5	-88.4			
Leq,d	18.1	-32.1	-26.1	-22.1	-9.1	-4.2	-10.2	-1.2	0.7	-0.4	0.5	0.5	2.4	4.1	5.0	8.9	11.0	6.8	8.5	9.3	6.5	6.3	1.4	-0.6	-7.3	-14.6	-30.5	-51.4	-75.6			
Leq,d	16.6	-33.0	-27.0	-23.0	-10.0	-5.0	-11.1	-2.6	-0.7	-1.8	-0.7	-0.7	1.2	2.8	3.7	7.6	9.7	5.4	7.0	7.5	4.5	4.0	-1.5	-4.2	-12.1	-21.0	-39.5	-64.0	-93.4			
Leq,d	18.0	-32.0	-26.0	-22.0	-9.0	-4.0	-10.1	-1.3	0.6	-0.5	0.5	0.5	2.4	4.0	5.0	8.8	11.0	6.7	8.4	9.0	6.2	5.9	0.8	-1.3	-8.3	-15.9	-32.3	-53.8	-79.0			
Leq,d	17.4	-32.4	-26.4	-22.4	-9.4	-4.5	-10.5	-1.9	0.0	-1.1	0.0	0.0	1.9	3.5	4.4	8.3	10.4	6.1	7.8	8.4	5.5	5.1	-0.1	-2.6	-9.9	-18.0	-35.3	-58.1	-85.0			
Leq,d	17.2	-32.4	-26.4	-22.4	-9.4	-4.5	-10.5	-2.1	-0.2	-1.3	-0.1	-0.2	1.7	3.4	4.3	8.2	10.3	6.0	7.6	8.2	5.3	4.8	-0.5	-3.0	-10.5	-18.9	-36.5	-59.8	-87.3			
Leq,d	16.9	-32.7	-26.6	-22.7	-9.7	-4.7	-10.7	-2.4	-0.5	-1.6	-0.4	-0.4	1.5	3.1	4.1	7.9	10.0	5.7	7.3	7.9	4.9	4.4	-1.0	-3.6	-11.3	-20.0	-38.0	-62.0	-90.5			
Leq,d	17.8	-32.2	-26.2	-22.2	-9.2	-4.3	-10.3	-1.5	0.4	-0.7	0.3	0.3	2.2	3.8	4.8	8.6	10.7	6.5	8.2	8.8	6.0	5.7	0.5	-1.7	-8.8	-16.5	-33.2	-55.2	-80.9			
Leq,d	17.7	-32.2	-26.1	-22.2	-9.2	-4.2	-10.2	-1.7	0.2	-0.9	0.2	0.2	2.1	3.8	4.7	8.6	10.7	6.4	8.1	8.7	5.8	5.5	0.3	-2.0	-9.2	-17.2	-34.1	-56.4	-82.6			
Receiver R2 Fl G Lr,lim dB(A) Leq,d 53.0 dB(A)																																
Leq,d	53.0					39.0			48.8			38.0			43.3			45.8			46.0			39.9			23.8			-10.4		
Leq,d	21.7	-29.3	-23.3	-19.3	-6.3	-1.4	-7.4	1.9	3.8	2.8	3.5	3.6	5.5	7.1	8.1	12.1	14.3	10.1	12.0	12.9	10.4	10.7	6.5	5.6	0.6	-4.1	-16.1	-31.3	-49.0	-74.3		
Leq,d	20.9	-30.0	-23.9	-19.9	-6.9	-2.0	-8.0	1.0	2.9	1.9	2.9	2.9	4.8	6.5	7.4	11.4	13.6	9.4	11.2	12.1	9.6	9.8	5.4	4.3	-1.0	-6.2	-19.0	-35.4	-53.4	-80.3		
Leq,d	21.1	-29.8	-23.7	-19.8	-6.8	-1.8	-7.8	1.2	3.1	2.0	3.1	3.1	5.0	6.7	7.6	11.6	13.8	9.6	11.5	12.4	9.9	10.1	5.8	4.7	-0.5	-5.5	-18.1	-34.0	-52.1	-78.6		
Leq,d	20.7	-29.9	-23.9	-19.9	-6.9	-1.9	-7.9	1.2	3.1	2.1	2.9	2.9	4.8	6.4	7.4	11.3	13.4	9.2	11.0	11.8	9.1	9.2	4.7	3.3	-2.3	-8.0	-21.4	-38.7	-57.8	-84.6		
Leq,d	20.1	-30.4	-24.4	-20.4	-7.4	-2.4	-8.4	0.5	2.4	1.3	2.4	2.4	4.3	5.9	6.9	10.7	12.9	8.7	10.4	11.2	8.5	8.5	3.9	2.4	-3.4	-9.4	-23.3	-41.3	-61.4	-89.5		
Leq,d	21.6	-29.4	-23.4	-19.4	-6.4	-1.4	-7.4	1.6	3.6	2.5	3.5	3.5	5.4	7.1	8.1	12.0	14.2	10.1	11.9	12.9	10.4	10.7	6.4	5.5	0.5	-4.2	-16.3	-31.4	-49.4	-74.8		
Leq,d	21.5	-29.6	-23.6	-19.6	-6.6	-1.6	-7.6	1.4	3.4	2.3	3.3	3.3	5.3	6.9	7.9	11.8	14.0	9.9	11.8	12.7	10.3	10.6	6.4	5.5	0.5	-4.2	-16.0	-32.2	-50.7	-76.7		
Leq,d	20.4	-30.1	-24.1	-20.1	-7.1	-2.1	-8.1	0.8	2.7	1.6	2.7	2.7	4.6	6.2	7.2	11.1	13.2	9.0	10.8	11.6	8.9	9.0	4.4	3.0	-2.7	-8.5	-22.1	-39.6	-59.1	-86.4		
Leq,d	20.3	-30.2	-24.2	-20.2	-7.2	-2.3	-8.3	0.6	2.5	1.5	2.5	2.5	4.5	6.1	7.0	10.9	13.1	8.9	10.6	11.4	8.7	8.8	4.2	2.7	-3.1	-8.9	-22.7	-40.5	-60.3	-87.9		
Leq,d	23.8	-29.3	-23.2	-19.2	-6.2	-1.3	-7.2	1.9	3.8	2.8	3.8	3.9	5.9	7.7	8.8	12.9	15.4	11.6	14.0	15.7	14.5	14.8	10.3	9.2	3.8	-1.5	-14.4	-30.8	-48.8	-74.0		
Leq,d	20.9	-29.7	-23.6	-19.7	-6.7	-1.7	-7.7	1.2	3.2	2.1	3.1	3.1	5.1	6.7	7.6	11.5	13.7	9.5	11.3	12.1	9.4	9.5	5.0	3.8	-1.8	-7.3	-20.5	-37.4	-56.1	-82.2		

Library Student Services RCCD Noise
Contribution level - 001 - Library Student Services RCCD:

Source group	Source ty	Tr. lane	Leq,d dB(A)	A dB	
Receiver R1 Fl G Lr,lim dB(A) Leq,d 51.8 dB(A)					
Default parking lot noise	PLot		51.7	0.0	
Default industrial noise	Point		17.4	0.0	
Default industrial noise	Point		17.2	0.0	
Default industrial noise	Point		16.9	0.0	
Default industrial noise	Point		17.8	0.0	
Default industrial noise	Point		17.7	0.0	
Default industrial noise	Point		18.0	0.0	
Default industrial noise	Point		18.2	0.0	
Default industrial noise	Point		16.7	0.0	
Default industrial noise	Point		17.1	0.0	
Default industrial noise	Point		18.1	0.0	
Default industrial noise	Point		16.6	0.0	
Receiver R2 Fl G Lr,lim dB(A) Leq,d 53.0 dB(A)					
Default parking lot noise	PLot		53.0	0.0	
Default industrial noise	Point		21.5	0.0	
Default industrial noise	Point		20.4	0.0	
Default industrial noise	Point		20.3	0.0	
Default industrial noise	Point		23.8	0.0	
Default industrial noise	Point		20.9	0.0	
Default industrial noise	Point		21.6	0.0	
Default industrial noise	Point		21.7	0.0	
Default industrial noise	Point		20.9	0.0	
Default industrial noise	Point		21.1	0.0	
Default industrial noise	Point		20.7	0.0	
Default industrial noise	Point		20.1	0.0	

Library Student Services RCCD Noise
Octave spectra of the sources in dB(A) - 001 - Library Student Services RCCD: Outdoor SP

Name	Source type	I or A m,m²	Li dB(A)	R'w dB	L'w dB(A)	Lw dB(A)	KI dB	KT dB	LwMax dB(A)	DO-Wall dB	Time histogram	Emission spectrum	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)
Auto Parking	PLot	78057.62			59.3	108.3	0.0	0.0		0	100%/24h	Typical spectrum	91.6	103.2	95.7	100.2	100.3	100.7	98.0	91.8	79.0
HVAC	Point				83.0	83.0	0.0	0.0		0	100%/24h	HVAC: 67.7dB @ 3ft - Carrier 50TFQ0006 -	60.1	68.6	71.0	75.3	77.6	77.2	74.2	69.3	57.0
HVAC	Point				83.0	83.0	0.0	0.0		0	100%/24h	HVAC: 67.7dB @ 3ft - Carrier 50TFQ0006 -	60.1	68.6	71.0	75.3	77.6	77.2	74.2	69.3	57.0
HVAC	Point				83.0	83.0	0.0	0.0		0	100%/24h	HVAC: 67.7dB @ 3ft - Carrier 50TFQ0006 -	60.1	68.6	71.0	75.3	77.6	77.2	74.2	69.3	57.0
HVAC	Point				83.0	83.0	0.0	0.0		0	100%/24h	HVAC: 67.7dB @ 3ft - Carrier 50TFQ0006 -	60.1	68.6	71.0	75.3	77.6	77.2	74.2	69.3	57.0
HVAC	Point				83.0	83.0	0.0	0.0		0	100%/24h	HVAC: 67.7dB @ 3ft - Carrier 50TFQ0006 -	60.1	68.6	71.0	75.3	77.6	77.2	74.2	69.3	57.0
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HVAC	Point				83.0	83.0	0.0	0.0		0	100%/24h	HVAC: 67.7dB @ 3ft - Carrier 50TFQ0006 -	60.1	68.6	71.0	75.3	77.6	77.2	74.2	69.3	57.0

Appendix C:

Traffic Information and Noise Modeling Worksheets

INTEGRATED ENGINEERING GROUP

TRANSPORTATION PLANNING AND ENGINEERING

Date: October 27, 2025

To: Mehran Mohtasham, Director of Capital Planning, Riverside Community College District

From: George Ghossain, Principal Engineer, Integrated Engineering Group

Subject: Trip Generation Assessment for The Library Learning Resource Center (LLRC) Project

---

Integrated Engineering Group (IEG) is pleased to submit this trip generation assessment memo for the proposed Library Learning Resource Center (LLRC) project (Project) located at 2001 Third St in the City of Norco California. The proposed LLRC will be located on the southern edge of the Norco College Campus core, adjacent to Parking Lot A, north of Third Street, east of the sports complex, and west of Windy Way.

The objective of the proposed Project is to develop a modernized LLRC facility that aligns with current instructional requirements and student needs. The existing Student Services building, and College Resource Center will be demolished as secondary effects of the proposed project. Additionally, the existing Library building will be inactivated for future repurposing as a separate capital construction project.

Space limitations within the existing Library building impact multiple Library and Learning Resource functions. Silent study and testing/proctoring rooms are in short supply in the existing facilities. For example, the Disability Resource Center (DRC) testing space in the existing facility is housed within the library and does not have its own dedicated space. This results in the DRC testing space needing to compete with the general student population for quiet reading/study rooms within the building. Additionally, the space dedicated to house the print collection does not hold enough titles to meet the needs of students. Similarly, space dedicated to the circulation desk remains too low to distribute titles readily and conveniently to all students. This includes very low levels of space dedicated to book archival, repair, and cataloging. The College must address these shortcomings to provide access to essential materials such as textbooks or course-assigned titles. Some Library and Learning Resource spaces within the existing facility have been converted into offices and workstations for faculty and staff. The microfiche room has been converted into an office for the Library Dean. The area in front of the Library Dean's office has been converted into an Administrative Assistant workstation, and two library study rooms have been converted into Librarian offices.

Technology infrastructure gaps within the existing Library prevent the facility from adequately serving the College's student body. As of the 2019-2020 academic year, there was only one desktop computer for every 218 students and one laptop for every 424 students on campus. Additionally, current facilities cannot support planned programs such as an engineering room, STEM demonstration area, or video production suite. The technology and space shortage prevent the College from implementing not only the planned programs mentioned above but also basic

resources such as an Information Technology Help Desk to assist users troubleshoot with computers or connection issues.

Faculty members within the existing Student Services and College Resource Center buildings face similar obstacles to providing critical student services in an equitable and efficient manner. These buildings are home to the campus police department, financial aid, admissions and records, specialized counseling programs, and administration. In the Fall 2022 term, 4,968 students received counseling/advisement services, 1,268 students received educational plan services, and 2,479 students received other student services. These services include counseling, transfer advising, and specialized academic mentoring services. The large volume of daily students in an undersized facility has led to significant overflow issues. Postponing or relocating meetings outdoors or to classrooms commonly occurs due to a lack of private spaces within the existing facilities. Additionally, peak-hour computer usage exceeds capacity, resulting in waiting lists to access student services. No more than two transfer admission representatives can work at one time due to limited workstations. The enrollment services department in the Student Services building lacks sufficient computer space to accommodate student demand. Students are often sent to another floor of the building to access computers. The College police department in the Resource Center also has a shortage of space for workstations and computer equipment.

The Proposed LLRC project will construct a new 3-story building which increases space capacity within laboratory, office, library, and audio/visual media space on campus. The project will include updated infrastructure, technology capabilities, accessibility, and energy efficiency. The new LLRC facility will encompass 77,430 Gross Square Feet (GSF) and consist of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classroom, 16,968 ASF of office, 26,112 ASF of library, 994 ASF of audio/visual, and 3,491 ASF of other support space.

Our goal is to obtain comments from City of Norco staff, to ensure this scoping agreement addresses the analysis requirements for the project, according to the City of Norco *Vehicle Miles Traveled (VMT) Resolution No. 2020-62* and Western Riverside Council of Governments (WRCOG) *Recommended Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment (January 2020)*.

The preliminary project plans are provided in **Attachment 1**. The Project is anticipated to be constructed in a single phase. Two potential unpaved construction laydown areas are identified north of the proposed project site—one located on the west side adjacent to the sports complex, and the other on the east side adjacent to the operations center. The Parking Lots have been determined to be underutilized and would not impact campus parking by losing parking spaces to the new construction.

NEED TO COMPLETE LOS AS PART OF THE TIA ANALYSIS

Western Riverside Council of Governments (WRCOG) *Recommended Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment (January 2020)* provide activities that would not require a TIA that includes level of service analysis based on land use type or limited trip generation.

TRIP GENERATION

Trip generation is a measure or forecast of the number of trips that begin or end at the project site. The traffic generated is a function of the extent and type of development proposed for the site. These trips will result in some traffic increases on the streets where they occur. Per the Guidelines, trip generation for proposed uses must be calculated based on rates from the *Trip Generation Manual (TGM), 12th Edition*, published by the Institute of Transportation Engineers (ITE) and rates that are developed based on the specific project operational information provided by the site operator. The rates were then applied to determine if this Project net trips generation satisfy the thresholds to be exempt from preparing a TIA with LOS.

The proposed project will replace existing aging facilities with a modern building featuring updated technology and infrastructure designed to fully support the needs of Norco College's faculty and students. This enhancement aims to improve the overall learning environment and student experience.

Since the project will replace aging facilities and primarily serve existing students population who will benefit from the upgraded facility, no additional vehicle trips are anticipated. Therefore, a Level of Service (LOS) analysis is not required, as the project is not expected to generate new trips or result in 100 or more vehicle trips during the peak hour.

PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

Trip distribution and assignment is the process of identifying the probable destinations, directions and traffic routes that Project related traffic will likely affect. Trip distribution and assignment are not applicable in this case since the project has demonstrated that it will generate less than 100 vehicle trips during peak hours.

INTERSECTION ANALYSIS

Intersection analysis is not applicable in this case since the project has demonstrated that it will generate less than 100 vehicle trips during peak hours.

PROJECT ACCESS

Regional access to the project site is provided from Interstate 15 (I-15) through Third Street. The main pedestrian access is generally in the center of the building and will be from the south, nearest to the parking lot. From this access point, there are hallways reaching both the east and west ends of the building. Stairs to the second floor are also located at both the east and west ends of the building. Access to the second floor is from the north at Plaza Level leading into a lobby area with hallways reaching both east and west. The third floor has an atrium that is open from the second floor and a smaller lobby and hallways.

INTEGRATED ENGINEERING GROUP
TRANSPORTATION PLANNING AND ENGINEERING

CONCLUSION

The proposed LLRC project, located within the City of Norco involves replacing the existing Student Services building, and College Resource Center will with a new three-story, modern facility designed to fully support the needs of Norco College's existing faculty and students. The project aims to enhance the overall learning environment and improve the student learning experience. Since the project will serve the existing faculty and student population and is not anticipated to generate additional traffic, it qualifies for an exemption from preparing a Traffic Impact Analysis (TIA), as supported by the traffic assessment and technical information presented in this memorandum.

Should you have any questions, please feel free to contact me at:

Email: george@intenggroup.com
Phone: (951) 239-1546
Address: 23905 Clinton Keith Road 114-280
Wildomar CA, 92595

Attachment – Project Site Plan

INTEGRATED ENGINEERING GROUP
TRANSPORTATION PLANNING AND ENGINEERING

ATTACHMENT – Project Site Plan

1 CAMPUS PLOT PLAN

1" = 160'-0"

Issue Date: 05/17/2020

CAMPUS SITE PLAN

CANNONDESIGN

ALMA strategies

LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES

RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT

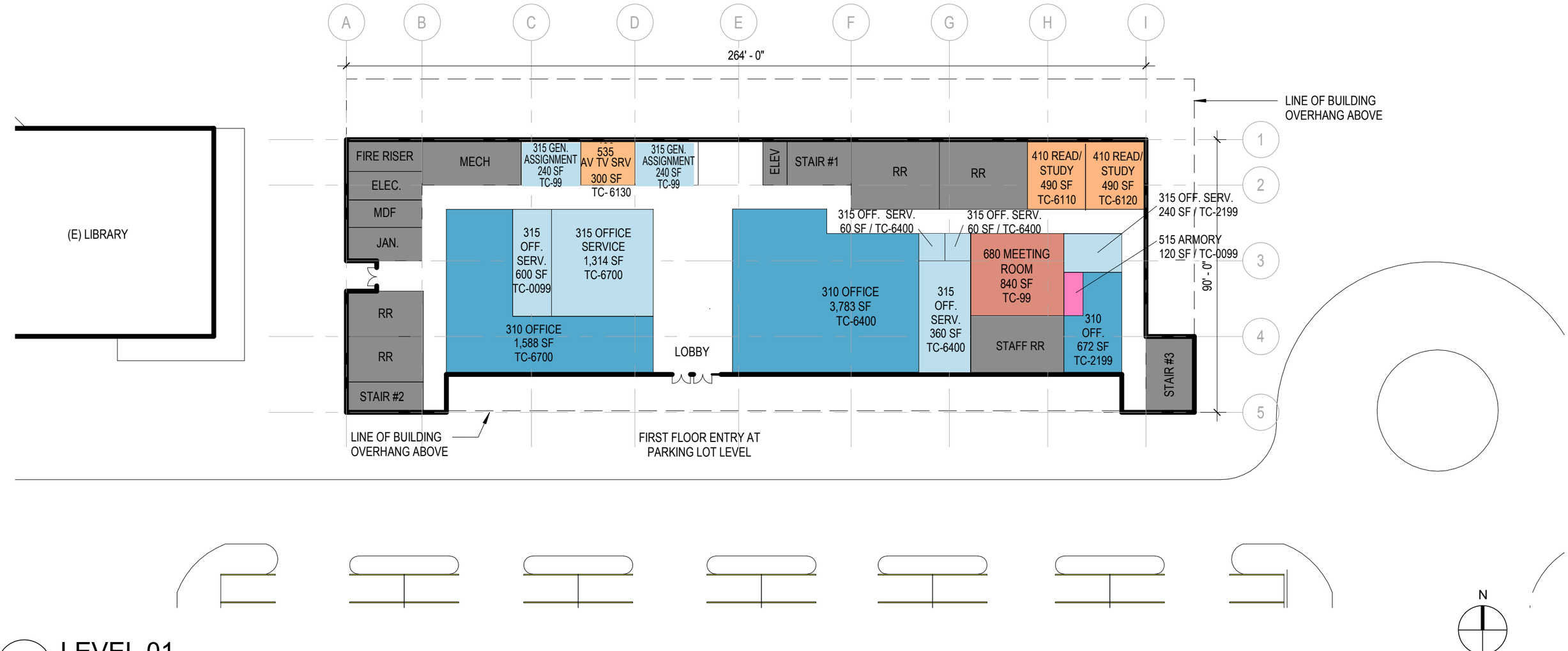
NORCO COLLEGE

LEVEL 01 PROGRAM

ROOM USE	TOP CODE	ASF
310 OFFICE	2199	672 SF
	6400	3783 SF
	6700	1,588 SF
315 OFFICE SERVICE	0099	1080 SF
	2199	240 SF
	6400	480 SF
	6700	1,314 SF

ROOM USE	TOP CODE	ASF
410 READ / STUDY ROOM	6110	490 SF
	6120	490 SF
515 ARMORY	2199	120 SF
535 AUDIO/VISUAL/TV	6130	300 SF
680 MEETING ROOM	0099	840 SF

LEVEL 01 TOTAL ASF	11,397 ASF
LEVEL 01 TOTAL GSF	21,038 GSF



1 LEVEL 01

1/32" = 1'-0"

Issue Date: 05/17/2020

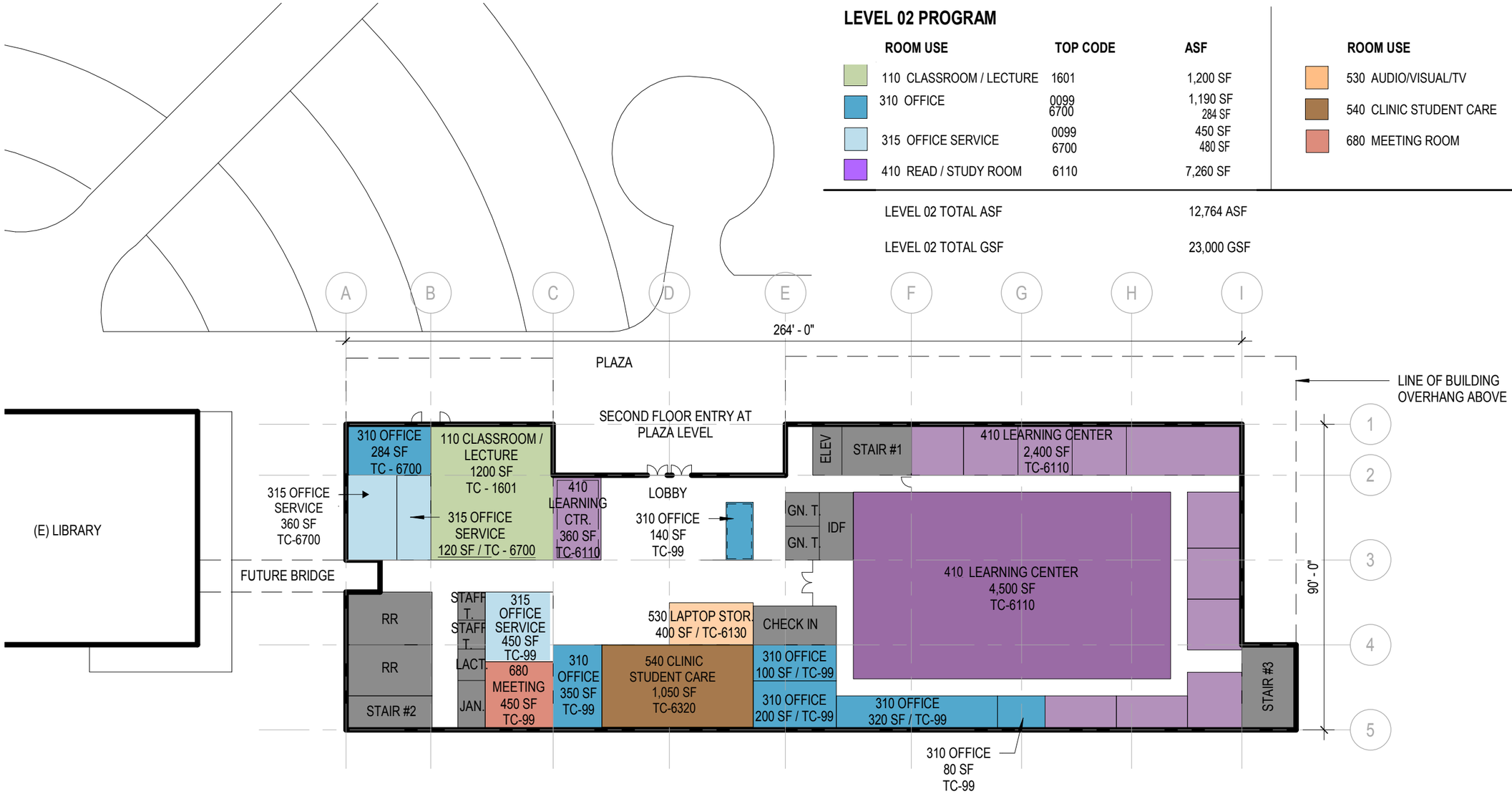
Level 01 Plan - A&R, FA, STUDENT SERVICES

LEVEL 02 PROGRAM

ROOM USE	TOP CODE	ASF
110 CLASSROOM / LECTURE	1601	1,200 SF
310 OFFICE	0099 6700	1,190 SF 284 SF
315 OFFICE SERVICE	0099 6700	450 SF 480 SF
410 READ / STUDY ROOM	6110	7,260 SF

ROOM USE	TOP CODE	ASF
530 AUDIO/VISUAL/TV	6130	400 SF
540 CLINIC STUDENT CARE	6320	1,050 SF
680 MEETING ROOM	0099	450 SF

LEVEL 02 TOTAL ASF	12,764 ASF
LEVEL 02 TOTAL GSF	23,000 GSF



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1 LEVEL 02

1/32" = 1'-0"

Issue Date: 05/17/2020

Level 02 Plan - LRC, CRC

CANNONDESIGN

ALMA strategies

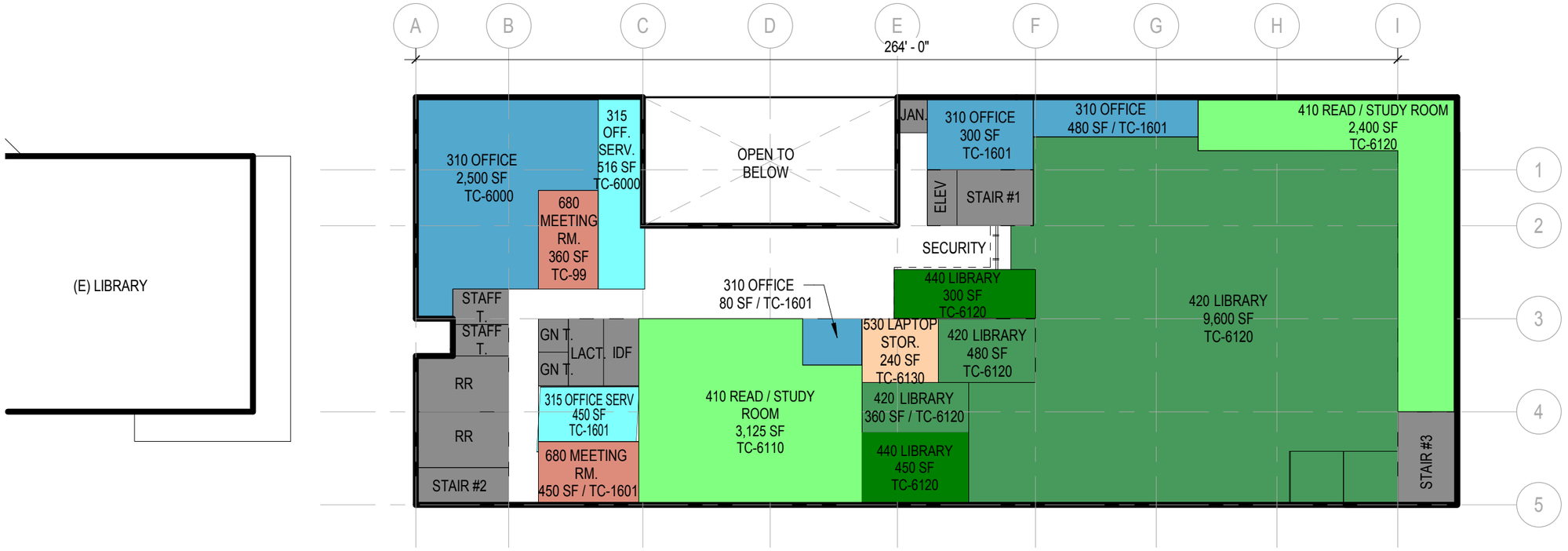
LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES

RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT

NORCO COLLEGE

LEVEL 03 PROGRAM

ROOM USE	TOP CODE	ASF
310 OFFICE	1601 6000	860 SF 2,500 SF
315 OFFICE SERVICE	1601 6000	450 SF 516 SF
410 READ / STUDY ROOM	6110 6120	3,125 SF 2,400 SF
420 STACK	6120	10,440 SF
440 PROCESSING ROOM	6120	750 SF
530 AUDIO/VISUAL/TV	6130	240 SF
680 MEETING ROOM	0099 1601	360 SF 450 SF
LEVEL 03 TOTAL ASF		22,091 ASF
LEVEL 03 TOTAL GSF		27,701 GSF



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1 LEVEL 03

1/32" = 1'-0"

Issue Date: 05/17/2020

Level 03 Plan - LIBRARY, ADMIN

Appendix D:

Construction Noise Modeling Output

Receptor - Residences to the South

Construction Phase Equipment Item	# of Items	Item Lmax at 50 feet, dBA[1]	Edge of Site to Receptor, feet	Center of Site to Receptor, feet	Item Usage Percent[1]	Ground Factor[2]	Usage Factor	Receptor Item Lmax, dBA	Recptor. Item Leq, dBA
DEMO									
Tractor	3	84	560	690	40	0	0.40	63.0	57.2
Dozer	1	82	560	690	40	0	0.40	61.0	55.2
Concrete Saw	1	90	560	690	20	0	0.20	69.0	60.2
							Log Sum	69.0	64.7
SITE PREP									
Grader	1	85	560	690	40	0	0.40	64.0	58.2
Dozer	1	82	560	690	40	0	0.40	61.0	55.2
Tractor	1	84	560	690	40	0	0.40	63.0	57.2
								64.0	61.8
GRADE									
Grader	1	85	560	690	40	0	0.40	64.0	58.2
Tractor	2	84	560	690	40	0	0.40	63.0	57.2
Dozer	1	82	560	690	40	0	0.40	61.0	55.2
								64.0	63.1
BUILD									
Crane	1	81	560	690	16	0	0.16	60.0	50.2
Man lift	1	75	560	690	20	0	0.20	54.0	45.2
Generator	1	81	560	690	50	0	0.50	60.0	55.2
Tractor	1	84	560	690	40	0	0.40	63.0	57.2
Welder/Torch	3	74	560	690	40	0	0.40	53.0	47.2
								63.0	60.6
ARCH COAT									
Compressor (air)	1	78	560	690	40	0	0.40	57.0	51.2
								57.0	51.2
TRENCHING									
Slurry Trenching Machine	1	80	200	350	50	0	0.50	68.0	60.1
								68.0	60.1

[1]FHWA Construction Noise Handbook: Table 9.1 RCNM Default Noise Emission Reference Levels and Usage Factors

Appendix E:

Construction Vibration Modeling Output

VIBRATION LEVEL IMPACT

Project:	Library Student Services RCCD Noise	Date: 11/17/25
Source:	Large Bulldozer	
Scenario:	Unmitigated	
Location:	Southwest residential building	
Address:	Norco College, Norco, CA	

PPV = PPVref(25/D)^n (in/sec)

DATA INPUT

Equipment = Type	2	Large Bulldozer	INPUT SECTION IN BLUE
PPVref =	0.089	Reference PPV (in/sec) at 25 ft.	
D =	330.00	Distance from Equipment to Receiver (ft)	
n =	1.10	Vibration attenuation rate through the ground	

Note: Based on reference equations from Vibration Guidance Manual, California Department of Transportation, 2006, pgs 38-43.

DATA OUT RESULTS

PPV =	**0.005**	IN/SEC	OUTPUT IN RED

Appendix F
Phase I Environmental Site Assessment

Phase I Environmental Site Assessment

Norco College LLRC + Student Services Building

2001 Third Street

Norco, Riverside County, California

October 31, 2025 | Terracon Project No. CB257022

Prepared for:

Riverside Community College District
Riverside, California

Prepared by:

Terracon Consultants, Inc.
Laguna Hills, California

23041 Avenida De La Carlota, Suite 350
Laguna Hills, CA 92653-1590
P (949) 261-0051
Terracon.com

October 31, 2025

Riverside Community College District
3801 Market Street
Riverside, California 92501

Attn: Mr. Mehran Mohtasham
P: (951) 222-8946
E: mehran.mohtasham@rccd.edu

Re: Phase I Environmental Site Assessment
Norco College LLRC + Student Services Building
2001 Third Street
Norco, Riverside County, California
Terracon Project No. CB257022

Dear Mr. Mohtasham:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced subject property (hereinafter known as the "site"). This assessment was performed in accordance with our Proposal dated August 1, 2025 and Consulting Services Agreement, dated September 8, 2025

We appreciate the opportunity to be of service to you on this project. In addition to ESA services, our professionals provide other environmental, geotechnical, construction materials, and facilities services on a wide variety of projects locally, regionally, and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,

Terracon Consultants, Inc.

Baylie R. Zemke
Staff Scientist

Sami Noaman
Manager Regional Services

Tony Mikacich, PG #9918
Senior Geologist

Attachments

Table of Contents

Appendices

Executive Summary

This Phase I Environmental Site Assessment (ESA) was performed in accordance with our Proposal dated August 1, 2025 and Consulting Services Agreement, dated September 8, 2025, and was conducted consistent with the procedures included in ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify Recognized Environmental Conditions (RECs) in connection with the site as reflected by the scope of this report. The ESA was conducted under the supervision or responsible charge of Sami Noaman, Environmental Professional. Kimberly Buenrostro performed the site reconnaissance on September 25, 2025.

Findings and Opinions

A summary of the findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at 2001 Third Street in Norco, Riverside County, California (part of Riverside County Assessor Parcel Number (APN) 129-210-005) and consists of approximately 9.3-acres divided into three non-contiguous tracts. The central area of the site (Tract 2) is improved with an approximately 49,802-square-foot Student Services and Learning Center, police campus building, associated landscaping, and concrete-paved pathways on the northern portion, and the southern portion of this area is primarily developed with asphalt-paved parking lots. The eastern (Tract 3) and western (Tract 1) areas of the site consist of vacant graded land. The site is occupied by Norco Community College Student Services and Learning Center and Police Campus and operates as a community college student service and parking area. Terracon understands the existing Student Services and Learning Center and Portables A and B will be demolished. The site will be redeveloped with a new Library Learning Resources Center (LLRC) and Student Services building, which is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). It should be noted that portables A and B were not included within the site and will be evaluated at a later date. Please refer to Exhibit 2 in Appendix A for a diagram of the site.

Historical Information

Based on a review of historical information, the site consisted of undeveloped and/or vacant land from as early as 1902 through the early 1930s when the site tracts were partially developed with a golf course. By the late 1940s, the golf course is no longer depicted and vacant graded or undeveloped land remains with apparent landfill operations on the parent tract, located approximately 250 feet southeast of Tract 3 and 650 feet east of Tract 2. By the late 1960s Tract 1 of the site was developed with bunkers associated with the U.S. Naval Reservation. By the early 1970s, the bunkers were removed, vacant graded land remains on Tract 1, and apparent landfill operations ceased. By the early 1990s, Tract 2 was developed with existing student services/campus police building and asphalt paved parking lot and the remaining tracts of the site remained vacant land. By the early 2000s, the southern portion of Tract 2 was developed with the existing asphalt-paved parking lot.

The surrounding properties consisted of undeveloped, vacant, or agricultural land from as early as 1902 through the late 1940s when landfill operations were apparent approximately 250 feet southeast of Tract 3 and 650 feet east of Tract 2 of the site. By the mid-1980s the landfill operations ceased and the land was mostly graded with one building associated with the landfill remaining. By the early 2000s, the building was removed, and the land was graded in preparation of building the existing John F. Kennedy Middle High School building. By the late 1950s, the northern adjoining property was developed with the US Naval Reservation bunkers. By the early 1990s, construction of Norco College started and some of the existing Norco College buildings were developed. By the early 2000s, additional buildings were developed adjoining to the north of Tract 2 of the site to resemble existing layout. By the late 1960s, the southern adjoining property to Tract 2 was developed with the existing residences. By the early 1990s, construction staging areas for the development of Norco College was observed and a portion of the existing asphalt-paved parking lot was developed. By the early 2000s, the remainder of the existing asphalt-paved parking lots were developed to match the current layout. By the early 2000s the western adjoining property to Tract 1 of the site was developed with the existing soccer field and asphalt-paved parking lot. By the early 2010s, the existing library building was developed to the adjoining west of Tract 2 of the site. The former eastern adjoining landfill and US Naval Reservation are further discussed below and in Section 3.7.

Prior Reports

Multiple documents were provided to Terracon for review. The parent tract (Norco College Campus) now owned by Riverside Community College District (RCCD) was originally part of a resort opened in 1928 and closed during the Great Depression, later sold to the U.S. Navy in 1941 and converted into a naval hospital that operated intermittently until 1957. Beginning in 1953, the Naval Ordnance Laboratory Corona also used portions of the Norco College Campus for ordnance and explosives testing, incineration, and landfill activities, with operations extending across 714 acres. Historical features include multiple bunkers, an aboveground storage tank, landfills, incinerator,

and a burn dump. In the early 1980s, surplus Navy land was transferred to the State of California, which conveyed approximately 142.63 acres to the RCCD in 1984. An approximately 6.45-acre portion of the RCCD-owned property was leased to the Corona–Norco Unified School District for the construction of the Kennedy Middle College High School in 2006. The Kennedy Middle School is located to the southeast of Tract 3 of the site.

A hospital incinerator, landfill, and burn pits operated from 1940 through approximately 1989. The incinerator, landfill and burn pits operations were located approximately 250 feet southeast of Tract 3 of the site and approximately 650 feet east of Tract 2 of the site. Additional bunkers and burn dump site (also identified as Site 26) areas were also identified north of Tract 2 of the site. The incinerator, located approximately 650 feet east of Tract 2 of the site, was reportedly used to burn waste from the hospital and ordnance lab along with all dumpster waste. Additionally, a burn dump operated approximately 450 feet north of Tract 2 of the site and was reportedly utilized for burning oversized waste and ordnance (smokeless powder, ammonium pirate, and signal flares).

In summary, historical operations on the RCCD property included incineration, landfill, and ordnance burn pits located primarily south and southeast of the site tracts, with additional bunkers and a burn dump to the north. Investigations since 1984 revealed presence of heavy metals, semi-volatile organics (SVOCs), and volatile organic compounds (VOCs) in groundwater, as well as hazardous substances such as dioxins, furans, and metals in fill deposits, prompting multiple remediation efforts, including removal of over 7,600 tons of impacted soil and non-hazardous fill materials in 2005. Despite cleanup, a 2016 Land Use Covenant (LUC) was established between RCCD and DTSC for this area. The LUC requires DTSC approval prior to the development of new structures, restricts certain land uses at Norco College, and implementation of vapor mitigation measures. Recent subsurface investigations (2023) prior to the development of the Center for Human Performance + Kinesiology (CHP&K) project reported VOCs and TPHg in soil vapor above screening levels but not in groundwater.

Based on the reported impacts to soil and soil vapor, and groundwater (in monitoring wells near 3rd Street) at the parent parcel above applicable screening levels, and documented LUC for the RCCD Norco Campus, the former landfill, burn pit, and incineration activities within the parent tract represents a Controlled Recognized Environmental Condition (CREC) to the site. Terracon understands that the RCCD is planning to establish a Voluntary Cleanup Agreement with the DTSC to coordinate mitigation measures required prior to the proposed grading/construction activities.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was identified in the regulatory database.

Arakelian Enterprises Dba Athens Service and Norco College, the site/parent tract to the site, is listed in the Aboveground Storage Tank (AST), Facility and Manifest Data (E MANIFEST), Enforcement and Compliance History (ECHO), Facility Index System (FINDS), Facility and Manifest Data (HAZNET), Hazardous Waste Tracking System (HWTS), RCRA Non-generator/no longer regulated (RCRA NonGen / NLR), California Environmental Reporting System (CERS), California Integrated Water Quality System (CIWQS), Emissions Inventory Data (EMI), NPDES Permit Listings (NPDES), CERS Hazardous Waste (CERS HAZ WASTE), CERS Tanks (CERS TANKS), Deed Restriction Listing (DEED), ENVIROSTOR database, Calsites Database (HIST Cal-Sites), and Voluntary Cleanup Project (VCP) databases. Based on a review of the CIWQS database, the site was permitted with a stormwater construction permit in 2009. Based on a review of the RCRA NonGen / NLR database, the parent tract was listed in 1999 as a verified non-generator with no violations identified. The site was previously a part of a larger U.S. Naval Reservation, which was previously discussed above and in more detail in Section 3.7.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Site Reconnaissance

During the site reconnaissance, one hydraulic elevator, storm drains, and interior floor drains were observed. RECs were not observed in connection with the above-mentioned features.

Adjoining Properties

The site is bordered by the following: Norco Community College to the north and west, John F. Kennedy Middle High School (1951 Third Street) to the east, and an asphalt-paved parking lot and Third Street followed by residences (2321 Pacific Avenue and 2398 Mountain Avenue) to the south. RECs associated with the site originating from current off-site operations were not identified.

Significant Data Gaps

Significant data gaps (SDGs) were not identified.

Additional Services

As requested by the client, the following additional services were performed:

- **Visual Observations for Suspect Asbestos:** Based on observations of the building exterior and the date of construction (circa 1994), the structure is unlikely to contain asbestos in existing building components.
- **Naturally Occurring Asbestos:** Ultramafic rock units were not located within 10 miles of the site. Therefore, naturally occurring asbestos associated with ultramafic rock unit is not a potential concern for the site.
- **Radon Records Review:** The site is considered to have a low potential for elevated indoor concentrations of radon gas; however, testing would be required to evaluate site-specific concentrations of radon gas.
- **Visual Observations of Suspect Lead-Based Paint (LBP):** Based on the age of the building (circa 1994), it is unlikely that the paints used within the building are LBP.
- **Methane and Hydrogen Sulfide Gas:** The site was not identified within an oil/gas field; however, the eastern tract of the site and portions of the parking lot were identified with boundaries of a former landfill. Based on a review of the Mission Geoscience, Inc. Preliminary Endangerment Assessment, dated December 15, 2003, methane and hydrogen sulfide gas were not detected in soil gas samples taken from the area of the former landfill, previously discussed in Section 3.7. Based on this information, the site is considered to have a low potential for elevated levels of methane or hydrogen sulfide gas.
- **Organochlorine Pesticides:** It should be noted that OCPs soil sampling is required at the Site for structures constructed before January 1, 1989, in accordance with DTSC's Interim Guidance for evaluating schools, dated July 23, 2001. The on-site buildings were developed in 1994. The potential for OCPs from termiticide application is not likely to represent an environmental concern in connection with the site.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E1527-21 at 2001 Third Street in Norco, Riverside County, California, the site. RECs and/or SDGs were not identified in connection with the site. The following Controlled RECs (CRECs) were identified in connection with the site.

- **Land Use Covenant**: Based on the reported impacts to soil and soil vapor, and groundwater (in monitoring wells near 3rd Street) at the parent parcel above applicable screening levels, and documented Land Use Covenant (LUC) for the RCCD Norco Campus, the former landfill, burn pit, and incineration activities

within the parent tract represents a Controlled Recognized Environmental Condition (CREC) to the site.

Recommendations

Terracon understands the Client is currently coordinating with the Department of Toxic Substances Control (DTSC) for mitigation measures to be followed for the proposed development in accordance with the LUC, discussed above and in Section 3.7 of the report. Based on our conversation and in alignment with mitigation measures generally considered appropriate for evaluating the identified Recognized Environmental Condition (REC), Terracon recommends the following:

- **Voluntary Cleanup Agreement (VCA):** Establish a new Voluntary Cleanup Agreement with DTSC, for the proposed LLRC + Student Servicers building in compliance with the LUC. The VCA should address the following actions:

- **Vapor Intrusion Mitigation:** Proceed with incorporating a vapor barrier into the design of the new building. The barrier system will be modeled after the one recently approved for the Center for Human Performance + Kinesiology (CHP&K) project at the Norco campus, or alternatively, a spray-on rubber coating may be used, depending on the results of the engineering evaluation. The proposed vapor intrusion mitigation design plans to be submitted to DTSC for review and approval, prior to construction.

- **Soil Management Plan (SMP):** Prepare and submit a Soil Management Plan for DTSC review. The SMP will address proper handling of petroleum hydrocarbon-impacted soils or other contaminants during construction activities.

1.0 Introduction

1.1 Site Description

Site Name	Norco College LLRC + Student Services Building
Site Location/Address	2001 Third Street, Norco, Riverside County, California
Parcel Number	A part of Parcel No. 129-210-005
Land Area	Three non-contiguous tracts totaling approximately 9.3-acres
Site Improvements	The central tract of the site is improved with an approximately 49,802-square foot student resources building and campus police. The site is further improved with asphalt-paved areas, and utilities.
Anticipated Future Site Use	Terracon understands the existing Student Services and Learning Center will be demolished. The site will be redeveloped with a new Library Learning Resources Center (LLRC) and Student Services building, which is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). It should be noted that portables A and B were not included within the site and will be evaluated at a later date.
Reason for the ESA	Site Redevelopment

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the United States Geological Survey (USGS) 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A.

1.2 Scope of Services

This Phase I Environmental Site Assessment (ESA) was performed in accordance with our Proposal dated August 1, 2025 and Consulting Services Agreement, dated September 8, 2025, and was conducted consistent with the procedures included in ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. Recognized environmental conditions are defined by ASTM E1527-21 as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of

hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment." This ESA includes consideration of the movement of hazardous substances and petroleum products in any form, including migration of vapor in the subsurface. A de minimis condition is not a recognized environmental condition.

This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews (including local government inquiries, as applicable), and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

Review of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

PFAS are a family of compounds which are considered emerging contaminants of concern due to their mobility and longevity in the environment. PFAS has been used in many products, including but not limited to fire-fighting foam, anti-stick coatings, stain and water-repellent coatings, electroplating, and paper products, among others. On July 8, 2024, US EPA designated two PFAS compounds, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), including their salts and structural isomers, as hazardous substances under CERCLA; accordingly, PFOA and PFOS was evaluated within the scope of E1527-21. Please note that PFAS compounds are ubiquitous in the environment and this limited review is not to be construed as confirmation that PFAS compounds are not present in, at or under the site.

As requested by the client, the following additional services were performed:

- Visual Observations for Suspect Asbestos
- Naturally Occurring Asbestos
- Radon Records Review
- Visual Observations of Suspect Lead-Based Paint
- Methane and hydrogen sulfide gas

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations

are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations, and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e., evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, the information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- At the issuance of this report, no response from the Riverside Environmental Health Hazardous Material Records Branch, Riverside County Building and Safety, and City of Norco was returned. Based on a review of the historical information, the absence of this information does not represent a significant data gap.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time

of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization; information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances, petroleum products or PFAS compounds may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of the Riverside Community College District and the California Department of Toxic Substances Control. Use or reliance by any other party is prohibited without the written authorization of the Riverside Community College District (RCCD) and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-21 Section 4.6. If the ESA is used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-21.

1.6 Client Provided Information

Prior to the site visit, Mr. Mike Clark, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-21 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response		
		N/A*	Yes	No
Actual Knowledge of Environmental Liens that may encumber the site.				X
Actual Knowledge of Activity Use Limitations (AULs) that may encumber the site.			X	
Specialized Knowledge or Experience that is material to a REC in connection with the site.				X
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.		X		
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X	
Obvious Indicators of Releases at the site.			X	

*N/A = Not Applicable

Mr. Clark noted that the site is a part of a Land Use Covenant with the Department of Toxic Substances Control. Refer to Section 3.7 for further discussion of the Covenant to Restrict Use of Property Environmental Restriction, dated March 28, 2016. A copy of the questionnaire is included in Appendix C.

2.0 Physical Setting

Physical Setting Information		Source
Topography		
Site Elevation	Approximately 625 feet above mean sea level (msl).	USGS Topographic Map, Corona North, California Quadrangle, dated 2022 (Appendix A)
Topographic Gradient	Gently sloping towards the southwest.	
Closest Surface Water	Lake Norconian, approximately 1,500 feet north of the site.	
Soil Characteristics		

Physical Setting Information		Source
Soil Type	Bonsall fine sandy loam Cieneba sandy loam Delhi fine sand	Riverside County, CA USDA, Soil Conservation Services Soil Survey issued September, 2024
Description	Bonsall fine sandy loam: Soil is moderately well drained with 2 to 8 percent slopes. Soil profile consists of 0 to 9 inches below ground surface (bgs) fine sandy loam, 9 to 25 inches bgs clay loam, and 25 to 53 inches sandy loam. Cieneba sandy loam: Soil is somewhat excessively drained with 8 to 15 percent slopes. Soil profile consists of 0 to 14 inches bgs sandy loam and 14 to 22 inches bgs weathered bedrock. Delhi fine sand: Soil is somewhat excessively drained with 2 to 15 percent slopes. Soil profile consists of 0 to 10 inches bgs fine sand, 10 to 48 inches bgs sand, and 48 to 60 inches bgs fine sandy loam.	
Geology/Hydrogeology		
Formation	Quaternary alluvium	California Department of Conservation, Geological Map of California, dated 2015 Geotechnical Investigation 2001 Third Street, Norco, CA Dated December 23, 2009
Description	Alluvium derived from material weathering from marine sandstone, siltstone, shale, conglomerate; mostly consolidated. Artificial fill soil (silty sand to clayey sand) and alluvial soil underlain by weathered Cretaceous granitic bedrock	

Physical Setting Information		Source
Estimated Depth to First Occurrence of Groundwater	Estimated to be 76 feet bgs, measured in parent tract groundwater monitoring wells.	Kleinfelder, June 18, 1990 Summary of Site assessments and Clean-up Activities Norco Community College District Campus
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the southwest).	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 Historical Use Information

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, and Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10-to-15-year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps and aerial photographs are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

- Topographic maps:
  - Corona, California, published in **1902** (1:125,000)
  - Corona and Vicinity, California, published in **1942** (1:31,680)
  - Corona, California, published in **1947** (1:50,000)

- Corona North, California, published in **1954**, **1967**, **1973**, **1975**, **1981**, **2012**, **2015**, **2018**, **and 2022** (1:24,000)

- Aerial photographs:
  - FAIR, **1931**, 1"=500'
  - USDA, **1938**, **1953**, **1959**, **1967**, **1985**, **1989**, **1990**, 1"=500'
  - USGS, **1948**, **1974**, 1"=500'
  - USGS/DOQQ, **1994**, **2002**, 1"=500'
  - USDA/NAIP, **2006**, **2010**, **2014**, **2018**, **2022**, 1"=500'

Historical Maps and Aerial Photographs

Direction	Description
Site	Undeveloped and/or vacant graded land (1902); site tracts partially developed with a golf course (1931-1938); golf course no longer depicted, vacant graded or undeveloped land remains with *apparent landfill operations* on the parent tract, located approximately 250 feet southeast of Tract 3 (1948-1953); Tract 1 of the site developed with bunkers associated with the *U.S. Naval Reservation* (1967); bunkers removed; vacant graded land remains on Tract 1, apparent landfill operations ceased (1974-1989); construction of the Norco College started on the Tract 2 of the site (1990); developed with existing student services/campus police building and asphalt paved parking lot on the Tract 2, remaining tracts of the site remains vacant land (1994); asphalt-paved parking lot developed on Tract 2 (2002-2022).
North	Undeveloped and/or vacant graded land (1902-1953); developed with the *U.S. Naval Reservation* bunkers (1959-1989); construction of Norco College started (1990); developed with the existing Norco College buildings north of Tract 2 (1994-2002); additional Norco College buildings developed to resemble existing layout (2006-2022).
East	Undeveloped and/or vacant graded land (1902-1931); orchards (1938); orchards cleared, *apparent landfill operations* approximately 650 feet east of Tract 2 of the site (1948-1974); apparent landfill operations ceased, land is graded with one building remaining (1985-1989); building removed, vacant graded land remains (1990-2002); developed with the existing John Kennedy Middle College High School east of Tract 2 and 3 (2006-2022).

Direction	Description
South	Undeveloped and/or vacant graded land (1902; developed with a road (1931); developed with orchards following the road (1938); orchards cleared, vacant graded land remains (1948-1959); developed with existing residences following the road (1967-1989); construction staging for Norco College (1990); developed with a portion of the existing asphalt-paved parking lot (1994); developed with the rest of the existing asphalt-paved parking lot (2002-2022).
West	Undeveloped and/or vacant graded land (1902-1994); developed with the existing soccer field west of Tract 1 and asphalt-paved parking lot associated with Norco College (2002-2006); developed with the existing Norco College building west of Tract 2 (2010-2022).

Refer to Section 3.7 for further discussion of the eastern adjoining former landfill and U.S. Naval Reservation.

3.2 Historical City Directories

The city directories used in this study were made available through EDR (selected years reviewed: 1921-2022) and were reviewed at approximate five-year intervals, if readily available. Street listings not available prior to 1921. The current street address for the site was identified as 2001 Third Street.

Historical City Directories

Direction	Description
Site	**2001 Third Street –** No listings (1921-1999); Norco College (2000-2022).
North	Parent tract.
South	**2321 Pacific Avenue**- No listings (1921-1969); residential listings (1970-2017); no listings (2018-2022). **2398 Mountain Avenue**- No listings (1921-1976); residential listings (1977-2022).
East	**1951 Third Street**- No listings (1921-2009); Kennedy High School (2010-2014); Corona Norco Middle School (2022).

Direction	Description
West	Parent tract.

Terracon reviewed the above historical city directories for indications of RECs associated with the site. RECs associated with the site were not identified through a review of available historical city directories.

3.3 Site Ownership

Based on a review of information obtained from the client and EDR, the current site owner is Riverside Community College District.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interviews Regarding Current and Historical Site Uses

The following individual was interviewed regarding the current and historical use of the site.

Interviews

Interviewer	Name / Phone #	Title	Date / Time
Kimberly Buenrostro	Ray Vasquez / (951) 739-7845	Manager of Facilities and Grounds Utilization with Riverside Community College District (RCCD)	September 25, 2025 / 2:00PM

At the time of site reconnaissance, Terracon interviewed Mr. Ray Vasquez, Manager of Facilities and Grounds Utilization, with RCCD, regarding current and historical uses of the site and potential environmental concerns associated with the site. Mr. Ray Vasquez was not aware of the prior occupants of the site. Mr. Vasquez was not aware of information related to any aboveground storage tanks (ASTs), underground storage tanks (USTs), chemical storage drums, or oil/water separators (OWS) currently or historically located on-site. Mr. Vasquez was not aware of pending, threatened or past environmental litigation, proceedings, or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. The following previous reports for the site/parent tract were provided by the client to Terracon for review. Pertinent information to the site tracts are further discussed below.

- *Dudek, Soil Management Plan, Center for Human Performance + Kinesiology Project, dated September 2023*
- *Dudek, Subsurface Investigation Report, Center for Human Performance + Kinesiology Project, dated June 27, 2023*
- *Covenant to Restrict Use of Property Environmental Restriction,* dated March 28, 2016
- *Department of Toxic Substance Control, Review of Site Investigation Documents for the Former Fellet Analysis Center Corona Annex and Current Riverside Community College Site Norco, CA, dated January 4, 2012*
- *Mission Geoscience, Inc., Removal Action Completion Report, Kennedy Middle College High School Site, dated May 3, 2005*

- *Mission Geoscience, Inc., Supplemental Site Investigation Completion Report, Kennedy Middle College High School. dated April 21, 2004*
- *Department of The Army Huntsville Center, Corps of Engineers, Results of the Technical Advisory Group Review of Archives Search Reports and Facts Sheets for Defense Environmental Restoration Program-Formerly Used Defense Sites, dated September 30, 2004*
- *Mission Geoscience, Inc., Preliminary Endangerment Assessment, Proposed Kennedy High School, dated December 15, 2003*
- *Kleinfelder, Geophysical Survey, Subsurface and Near-Surface Soil Investigations, Tract 23507, State Lands Commission Property, dated March 1990*
- *Kleinfelder, Summary Limited Sampling of Stockpiled Fill Material, Riverside Community College District Property, dated May 8, 1990*
- *Kleinfelder, Summary of Site Assessments and Clean-up Activities, Norco Community College District Campus, dated June 18, 1990*
- *Kleinfelder, Limited Near-Surface Soil Sampling and Groundwater Monitoring Well Installation Norco Community College Campus, dated August 7, 1990*
- *Kleinfelder, Letter Report Health and Safety Officer for Landfill Clearing Operations and Limited Sampling of Stockpiled Fill Material, Riverside Community College District, dated April 16, 1990*

The parent tract (Norco College Campus) now owned by RCCD was originally part of a resort opened in 1928 and closed during the Great Depression, later sold to the U.S. Navy in 1941 and converted into a naval hospital that operated intermittently until 1957. Beginning in 1953, the Naval Ordnance Laboratory Corona also used portions of the Norco College Campus for ordnance and explosives testing, incineration, and landfill activities, with operations reaching across approximately 714 acres. Historical features included multiple bunkers, an aboveground storage tank, landfills, incinerator, and a burn dump. In the early 1980s, surplus Navy land was transferred to the State of California, which conveyed approximately 142.63 acres to the RCCD in 1984. An approximately 6.45-acre portion of the RCCD-owned property was leased to the Corona–Norco Unified School District for the construction of the Kennedy Middle College High School in 2006. The Kennedy Middle School is located to the southeast of the eastern tract of the site.

The main hospital building was located approximately 4,000 feet north of Tract 2 of the site. A hospital incinerator, landfill, and burn pits operated from 1940 through approximately 1989. The incinerator, landfill and burn pits operations were located approximately 250 feet southeast of Tract 3 of the site and approximately 650 feet east of Tract 2 of the site. Additional bunkers and burn dump site (also identified as Site 26)

areas were also identified north of Tract 2 of the site. The incinerator located approximately 650 feet east of Tract 2 of the site, was reportedly used to burn waste from the hospital and ordnance lab along with all dumpster waste. Additionally, a burn dump operated approximately 450 feet north of Tract 2 of the site that was reportedly utilized for burning oversized waste and ordnance (smokeless powder, ammonium pirate, and signal flares).

Multiple site investigations have been conducted throughout the parent tract since ownership was transferred to RCCD in 1984. In 1989, Kleinfelder conducted an initial assessment of the parent parcel and soil samples were collected from the ordnance burn pit area, ash pile, dry lake, and bottom of the landfill area. Lead was detected in a soil sampled collected from a landfill trench. In 1989, Flemming commenced grading operations associated with the Third Street expansion and found five trenches which contained medical waste, documents, construction debris, and X-ray negatives from the former naval hospital. Further excavation work for Third Street was halted and in January 1990, Kleinfelder conducted an additional assessment of the area. Approximately 250 tons of waste materials (similar to those were initially encountered in the initial assessment) were excavated from the landfill trench. Fleming continued excavation for the Third Street expansion and was instructed to stockpile any landfill debris if encountered. The 250 tons of waste materials were removed and placed over existing landfill which was reportedly covered with approximately 20 feet of clean fill, placed over the remaining landfill waste and paved over with asphalt for use as a parking lot. In June 1990, Kleinfelder installed three groundwater monitoring wells to monitor for potential contamination due to the buried landfill refuse. Monitoring wells MW-2 and MW-3 were located along Third Street, approximately 500 feet south of Tract 3 of the site, and MW-1 was located approximately 480 feet south of Tract 3 of the site. Depth to groundwater was measured at 76 feet bgs in the monitoring wells installed. Kleinfelder reported that groundwater analytical results reported traces of VOCs (benzene, toluene, ethylbenzene, and xylenes) below drinking water standards but did not report concentrations of heavy metals.

In 2004, Mission Geoscience, Inc. completed a Supplemental Site Investigation Completion Report for Kennedy Middle College High School as a follow-up study for the Mission Geoscience, Inc. Preliminary Endangerment Assessment (PEA), dated December 15, 2003. The 2003 PEA identified potential risks and hazards due to the presence of elevated concentrations of dioxins and furans and metals reported in two samples of discrete layers encountered in fill deposits within the location of the Kennedy Middle College High School. Mission Geoscience, Inc. reported elevated concentrations of arsenic, lead, Aroclor 1254, and dioxins and furans in soil samples. As a follow up to the 2004 Supplemental Site Investigation, Mission Geoscience, Inc. completed a Removal Action Completion Report for the Kennedy Middle College High School Site in 2005. Approximately 4,107.04 tons of impacted soils were excavated and disposed of from March 2 through March 10, 2005. Additionally, approximately 3,567.22 tons of non-

hazardous overlying fill material was removed. Confirmation soil sampling of the excavation bottom and sidewalls was conducted. Confirmation soil samples collected was analyzed for arsenic, cadmium, lead, dioxins and furans, and Aroclor 1254. The confirmation soil samples confirmed that the facility has been adequately remediated. Mission Geoscience, Inc. recommended a "no further action" for the facility and did not recommend any additional excavation.

In 2011 the site/parent tract entered into a Voluntary Cleanup Agreement and additional groundwater monitoring in the area of the remediated landfill was conducted. In 2013, it was determined that the groundwater monitoring network was not suitable for detecting a release of hazardous substance from the landfill and the groundwater monitoring was discontinued.

A Covenant to Restrict Use of Property Environmental Restriction, dated March 28, 2016, was issued for the 142.63 acres of the Norco College Campus. The LUC identified the landfill area to be located within the parking lot located partially on the southeastern portion of Tract 2, and south/southeast of Tract 3. This known landfill area is reported to cover approximately 16,000 square feet. Hazardous substances including antimony, cadmium, copper, lead, silver, zinc, dioxins, and furans remain at the RCCD property above levels acceptable for unrestricted land use. According to the LUC, the campus has not been fully characterized to determine if other hazardous substances above levels acceptable for unrestricted land use remain in soils, soil gases, or groundwater. The following restrictions were put in place for proposed developments: prohibited use as a residence, hospital for humans, public or private school for persons under 18 years of age, children day care. Additionally, construction of a new structure is prohibited without the DTSC written approval of the vapor intrusion evaluation as described in the Land Use Covenant Section 4.2. Prior to the construction of any new enclosed structure, the owner shall determine if vapor mitigation is necessary and identify any related post-construction operation and maintenance requirements. The owner must obtain DTSC written approval that any necessary vapor mitigation system has been properly constructed and is operating successfully prior to occupancy of the new structure.

On July 27, 2023 and in compliance with the 2016 LUC, Dudek completed a Subsurface Investigation Report for the proposed Norco College Center for Human Performance + Kinesiology Project. Seven soil borings were advanced to a depth of 10 to 15 feet bgs along with seven soil vapor boreholes and two temporary groundwater wells. Lithology was characterized at 5-foot intervals to a depth of 45 feet bgs by a Dudek geologist. Groundwater was encountered at a depth of 35 feet bgs. Soils and groundwater sampled collected from the borings were analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), Title 22 metals, and perchlorate. Soil vapor samples were analyzed for TPH and VOCs. Soil vapor S3 and S4 are the nearest soil vapor sampling points to the site, located approximately 115 feet to the north of the site (Tract 1). Soil vapor probe S3 reported concentrations of VOCs below the Environmental Screening Levels (ESLs) and DTSC-Screening Levels (DTSC-SLs). Soil gas probe S4,

located approximately 115 feet north of the site (Tract 1) reported concentrations of benzene up to 19 µg/m^3, chloroform up to 30 µg/m^3, and TPHg up to 418,000 µg/m^3, above the ESLs and DTSC-SLs. No VOCs or TPHg were detected in the groundwater samples collected at the site. The data indicates that VOCs and TPHg have not impacted groundwater.

Based on the reported impacts to soil and soil vapor, and groundwater (in monitoring wells near 3rd Street) at the parent parcel above applicable careening levels, and documented LUC for the RCCD Norco Campus, the former landfill, burn pit, and incineration activities within the parent tract represents a Controlled Recognized Environmental Condition (CREC) to the site. Terracon understands that the RCCD is planning to establish a Voluntary Cleanup Agreement with the DTSC to coordinate mitigation measures required prior to the proposed grading/construction activities.

4.0 Records Review

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient, and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Terracon reviewed standard federal, state, and tribal environmental record sources within the approximate minimum search distances as required by ASTM E1527-21 and presented in Table 2 of Section 8.0 of The Standard (Types of Government Records to be Reviewed). Further, to enhance and supplement the standard environmental record sources, Terracon reviewed additional federal, state, tribal, local, and proprietary environmental record sources, provided by the database firm, if potentially useful and reasonably ascertainable. Please refer to Appendix D (the environmental regulatory database report) for the number of listings within each database reviewed and database definitions and descriptions.

Due to conversion of address data to location coordinates and the accuracy of government records, the facility locations depicted in the environmental regulatory database report may not match actual physical locations. As such, Terracon attempted to field-verify the actual distances of facilities of concern from the site.

The site was identified in the regulatory databases.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities within 600 feet of the site. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name and Location	Estimated Distance / Direction / Gradient	Database Listings	Findings Summary
Arakelian Enterprises Dba Athens Service 2001 3Rd Street	Site/parent tract	FINDS	CREC, discussed below.
Norco College 2001 3Rd St		AST, E MANIFEST, ECHO, FINDS, HAZNET, HWTS, RCRA NonGen / NLR, CERS, CIWQS, EMI, NPDES, CERS HAZ WASTE, CERS TANKS, DEED, ENVIROSTOR, FINDS, HIST Cal-Sites, VCP	
Corona Annex	Adjoining / North / Up-gradient	FUDS, UXO	CREC, discussed below.
Naval Ordnance Lab		ENVIROSTOR, FUDS	

Facility Name and Location	Estimated Distance / Direction / Gradient	Database Listings	Findings Summary
Naval Ordnance Laboratory		UXO	
Naval Weapons Station Seal Beach Detachm		DOD	
RCCD Norco Campus Soccer Field Complex P 2001 3Rd St	Adjoining / West / Cross-gradient	CIWQS	Not a REC, discussed below.
JFK Middle College High School 2001 3Rd St	315 feet / East / Cross-gradient	CIWQS, NPDES	Not a REC, discussed below.
Kennedy Middle College High School Third Street		ENVIROSTOR, SCH	
Corona-Norco USD Kennedy Middle College 1951 3Rd St		RCRA NonGen / NLR	
2398 Mountain Ave 2398 Mountain Ave	440 feet / Sout / Down-gradient	E MANIFEST, RCRA NonGen / NLR	Not a REC based on distance from the site and topographic down-gradient relative to the site.

Facility Name and Location	Estimated Distance / Direction / Gradient	Database Listings	Findings Summary
Sharon Tiger 2360 Mountain Ave	780 feet / South / Down-gradient	E MANIFEST, RCRA NonGen / NLR	Not a REC based on distance from the site and topographic down-gradient relative to the site.

Arakelian Enterprises Dba Athens Service and Norco College (2001 Thirds Street)

Arakelian Enterprises Dba Athens Service and Norco College, the site/parent tract to the site, is listed in the Aboveground Storage Tank (AST), Facility and Manifest Data (E MANIFEST), Enforcement and Compliance History (ECHO), Facility Index System (FINDS), Facility and Manifest Data (HAZNET), Hazardous Waste Tracking System (HWTS), RCRA Non-generator/no longer regulated (RCRA NonGen / NLR), California Environmental Reporting System (CERS), California Integrated Water Quality System (CIWQS), Emissions Inventory Data (EMI), NPDES Permit Listings (NPDES), CERS Hazardous Waste (CERS HAZ WASTE), CERS Tanks (CERS TANKS), Deed Restriction Listing (DEED), ENVIROSTOR database, Calsites Database (HIST Cal-Sites), and Voluntary Cleanup Project (VCP) databases. Based on a review of the CIWQS database, the site was permitted with a stormwater construction permit in 2009. Based on a review of the RCRA NonGen / NLR database, the facility was listed in 1999 as a verified non-generator with no violations identified. The site was previously a part of a larger U.S. Naval Reservation, which was previously discussed in Section 3.7.

Corona Annex, Naval Ordnance Lab, and Naval Weapons Station Seal Beach Detachm

Corona Annex, Naval Ordnance Lab, and Naval Weapons Station Seal Beach Detachm, located to the adjoining north of the site and in a topographic up-gradient, is listed in the Formerly Used Defense Site (FUDS), unexploded ordnances (UXO), ENVIROSTOR database, and Department of Defense Site (DOD) databases. The site was previously a part of a larger U.S. Naval Reservation. Based on a review of the Subsurface Investigation Report for Norco College, completed by Dudek on July 27, 2023, initial investigation of the prior U.S. Naval Reservation, categorized the property as level 1 high priority for unexploded ordnances (UXOs) but was reduced to level 5 low priority following extensive development and excavation of surrounding areas of the former installation with no evidence of UXO. It was concluded that UXO is not a likely concern for the facility. Refer to Section 3.7 for further discussion of the former U.S. Naval Reservation operations.

RCCD Norco Campus Soccer Field Complex P (2001 Thirds St.)

RCCD Norco Campus Soccer Field Complex P, located to the adjoining west of the site and in a topographic cross-gradient, is listed in the CIWQS database. Based on a review of the database, the facility was permitted with CIWQS for storm water construction in 2008. Based on a review of the database, RCCD Norco Campus Soccer Field Complex P is not a REC to the site.

JFK Middle College High School and Kennedy Middle College High School (2001 Third St.) and Corona-Norco Usd Kennedy Middle College (1951 Thirds St.)

JFK Middle College High School and Kennedy Middle College High School, and Corona-Norco USD Kennedy Middle College, with the Kennedy Middle College High School building located approximately 315 feet east of the site (Tract 3) and in a topographic cross-gradient, is listed in the CIWQS, NPDES, ENVIROSTOR, SCH, and RCRA NonGen / NLR databases. Based on a review of the CIWQS database, the facility was permitted with a notice of intent to discharge during construction in 2011 and permitted with CIWQS for storm water construction. Based on the RCRA NonGen / NLR database the facility was listed as a verified non-generator in 2011 with no violations identified. Based on a review of the ENVIROSTOR and SCH databases, a Preliminary Endangerment Assessment Report was completed for the facility in 2004, which is further discussed in Section 3.7 of the report.

Based on a review of the regulatory listings, JFK Middle College High School and Kennedy Middle College High School, and Corona-Norco USD Kennedy Middle College are not a REC to the site.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
Riverside Environmental Health Hazardous Material Records Branch / by online portal https://riversidecountyca.nextrequest.com/requests/new	At the issuance of this report, a response has not been received.
Department of Toxic Substances Control (DTSC) / by e-mail pubreqact@dtsc.ca.gov	On October 6, 2025, the DTSC responded that records for the site are on the Envirostor database Case No. 33820001. These records are discussed in Section 3.7.
Santa Ana Regional Water Quality Control Board (SARWQCB) / by e-mail FileReview8@waterboards.ca.gov	On October 3, 2025, the SARWQCB responded that stormwater records were available online. The following records were identified: • Notice of intent to discharge during construction activities (2009-2025) with all permits terminated except for the 2025 permit.
South Coast Air Quality Management District / by online form http://www.aqmd.gov/nav/online-services/public-records	On October 7, 2025, the following records were identified for the site/parent tract (2001 Third Street): • Facility equipment list permit to operate diesel emergency generator (2012). The exact location of the emergency generator was not provided. It should be noted that the emergency generator was not observed on-site.

Riverside County Building and Safety / by email Records@rivco.org	At the issuance of this report, a response has not been received.
City of Norco / by online https://norco.civicweb.net/Portal/CitizenEngagement.aspx	On October 9, 2025, the City of Norco responded that a response would be provided by October 23, 2025.

4.3 Local Area Knowledge

Based on a review of the California Department of Conservation, Geologic Energy Management Division well finder website (CalGEM GIS), the site was identified within the San Vicente oil field, and there are no active or plugged oil production wells located at the site or adjoining properties.

Based on review of the National Piping Mapping System (NPMS) Public Viewer, pipelines were not identified on-site or at the surrounding properties.

5.0 Site Reconnaissance

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance	
Field Personnel	Kimberly Buenrostro
Reconnaissance Date	September 25, 2025
Weather Conditions	Sunny / 85°F
Site Contact/Title	Ray Vasquez, Manager of Facilities and Grounds Utilization
Site Utilities	
Drinking Water	City of Norco's Public Works and Engineering Department
Wastewater	City of Norco's Public Works and Engineering Department

Site Reconnaissance	
Electric	Southern California Edison
Natural Gas	Southern California Gas

Building Description				
Building Identification	**Building Use**	**Approx. Construction Date**	**Number of Stories**	**Approx. Size (ft²)**
Student Services Building	Student Services	1994	2	49,802

5.2 Overview of Current Site Occupants

The site is currently occupied by Norco Community College Student Services.

5.3 Overview of Current Site Operations

The site currently operates as a community college student service and parking area.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	X
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	

Category	Item or Feature	Observed or Identified
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas, or mineral production	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels, and/or containers ≥ 5 gallons	
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins, and/or dry wells	X
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	X
Electrical Transformers/ PCBs	Transformers and/or capacitors	
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris, and/or other waste materials	

Category	Item or Feature	Observed or Identified
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free-floating product	
	Strong, pungent, or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	

Site Operations, Processes, and Equipment

Elevators

One hydraulic elevator was observed in the College Resource Center building. The hydraulic reservoir for the elevator is located adjacent to the first-floor elevator. No spills, staining, or releases were observed in the vicinity of the reservoir during the site reconnaissance. The base of the elevator pit was not observed. According to Mr. Vasquez, the elevator system is serviced by Amtech on a yearly basis. Based on site observations, the on-site elevator does not constitute a REC for the site.

Underground Chemical or Waste Storage, Drainage or Collection Systems

Sumps, cisterns, French drains, catch basins, and/or dry wells

Terracon observed stormwater drains throughout the site, during the visual reconnaissance. No evidence of chemical waste disposal, noxious odors, or other indications of releases were observed in the vicinity of the stormwater drains. Based on site observations, the stormwater drains do not represent a REC to the site.

Interior floor drains

Interior floor drains were observed in the restrooms and in the janitorial utility closet. No evidence of chemical waste disposal, noxious odors or other indications of releases were observed around the floor drains during the site reconnaissance. According to Mr. Vasquez, the interior floor drains discharge into the sanitary sewer system. Potentially

hazardous materials did not appear to be stored in the vicinity of the floor drains. Based on site observations, the interior floor drains do not represent a REC to the site.

6.0 Adjoining Property Reconnaissance

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	Norco Community College.
East	John F. Kennedy Middle High School (1951 Third Street).
South	Asphalt-paved parking lot and Third Street followed by residences (2321 Pacific Avenue and 2398 Mountain Avenue).
West	Norco Community College.

RECs associated with the site originating from current off-site operations were not identified.

7.0 Additional Services

Per the agreed scope of services specified in the proposal, the following additional services were conducted.

7.1 Visual Observations for Suspect Asbestos

Terracon visually assessed the interior of the on-site building for suspect asbestos-containing materials (ACM). The limited visual observations were performed by Kimberly Buenrostro. No samples of suspect ACM were collected or analyzed as part of the observations. The visual observations for suspect ACM were restricted to readily visible and accessible building materials.

The following suspect ACM was observed:

Summary of Suspect ACM

Material	Location	Friable / non-friable
12″x12″ acoustic ceiling tile	Throughout the site building	Non-friable

Material	Location	Friable / non-friable
Cove base and mastic	Throughout the site building	Non-friable
Brown carpet and mastic	Throughout the site building	Non-friable
Gray carpet and mastic	Throughout the site building	Non-friable
12”x12” beige floor tile	Throughout the site building	Non-friable
4”x4” white wall tile	Throughout the site building bathrooms	Non-friable
8”x8” beige wall tile	Throughout the site building bathrooms	Non-friable
8”x8” white wall tile	Throughout the site building bathrooms	Non-friable
16”x16” gray floor tile	Throughout the site building bathrooms	Non-friable
Drywall and joint compound	Throughout the site building	Non-friable

Based on the age of the buildings (circa 1994), it is unlikely that the identified materials are ACM. Limited visual observations for asbestos are not intended to serve as a comprehensive building asbestos survey, comprehensive inspection, or comprehensive assessment for the presence of ACM in all or most of the building systems, nor will it serve to adequately assess the presence of ACM in a building or portions thereof for pre-demolition or pre-renovation purposes. Terracon recommends conducting a thorough asbestos survey prior to disturbance of suspect ACM during planned renovations or building demolition.

7.2 Naturally Occuring Asbestos

Terracon reviewed the California Geological Survey to determine if an ultramafic rock unit was mapped within 10 miles of the site. Naturally occurring asbestos is most often found in ultramafic rock formations. Based on our review, ultramafic rock units were not identified within 10 miles of the site. Therefore, naturally occurring asbestos associated with ultramafic rock unit is not a potential concern for the site.

7.3 Radon Records Review

Radon is a naturally occurring radioactive gas produced through the natural decay of uranium to stable lead. It is odorless, tasteless, and invisible. Elevated concentrations of radon can be found in soils and rocks containing uranium, granite, shale, phosphate, and pitchblende. Locations of these materials are highly unpredictable. Elevated levels of radon may also be found in soils containing certain types of industrial wastes, such as

the by-products from uranium or phosphate mining. Radon can accumulate inside structures at concentrations that may pose risks to human health. Indoor radon levels are influenced by building construction and the concentration of radon in the underlying soil.

The average residential radon concentration for the site's zip code, 92860, is >2 pCi/L and <4 pCi/L. The study included tests in 12 homes in zip code 92860, 0% of which exceeded the EPA action level.

Based on this information, the site is considered to have a low potential for elevated indoor concentrations of radon gas. However, testing would be required to evaluate site-specific concentrations of radon gas.

7.4 Visual Observations of Suspect Lead-Based Paint

Terracon visually assessed the interior of the on-site buildings for suspect Lead-Based Paint (LBP). No samples of suspect LBP were collected or analyzed as part of the observations. The visual observations for suspect LBP were restricted to readily visible and accessible building materials.

The following suspect LBP was observed:

Summary of Suspect LBP

Material	Location	Condition
Biege interior wall paint	Throughout all building	Good
Brown interior wall paint	Throughout all building	Good
White interior wall paint	Throughout all building	Good
Red interior wall paint	Throughout all building	Good
Blue interior wall paint	Throughout all building	Good
Beige exterior wall paint	Throughout all building	Good

Based on the age of the building (circa 1994), it is unlikely that the identified paints are LBP. The visual observations for LBP were limited to readily observable and accessible surfaces. Terracon cannot guarantee a building or property to be LBP free as the possibility exists that LBP coated surfaces may be hidden from sight or in inaccessible locations, or the homogeneous construction areas identified may not be truly homogeneous. It should be understood that these limited visual observations for LBP should not considered to be comprehensive in nature, and the results are not intended to be used to determine lead hazards, develop abatement plans, or prepare detailed cost estimates for abatement.

It should be noted that lead soil sampling is required at the Site for structures constructed before January 1, 1993, in accordance with DTSC's Interim Guidance for evaluating schools. The on-site buildings were developed circa 1994.

7.5 Methane and Hydrogen Sulfide Gas

Based on a review of the CalGEM Well Finder website, and the site was not identified within an oil/gas field. The site was identified with a former landfill on-site. Based on a review of the Mission Geoscience, Inc. Preliminary Endangerment Assessment, dated December 15, 2003, methane and hydrogen sulfide gas were not detected in soil gas samples taken from the area of the former landfill, previously discussed in Section 3.7. Based on this information, the site is considered to have a low potential for elevated levels of methane or hydrogen sulfide gas.

7.6 Organochlorine Pesticides (OCPs)

It should be noted that OCP soil sampling is required at the Site for structures constructed before January 1, 1989, in accordance with DTSC's Interim Guidance for evaluating schools, dated July 23, 2001. The on-site buildings were developed circa 1994. The potential for OCPs from termiticide application is not likely to represent an environmental concern in connection with the site.

8.0 Declaration

I, Sami Noaman, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

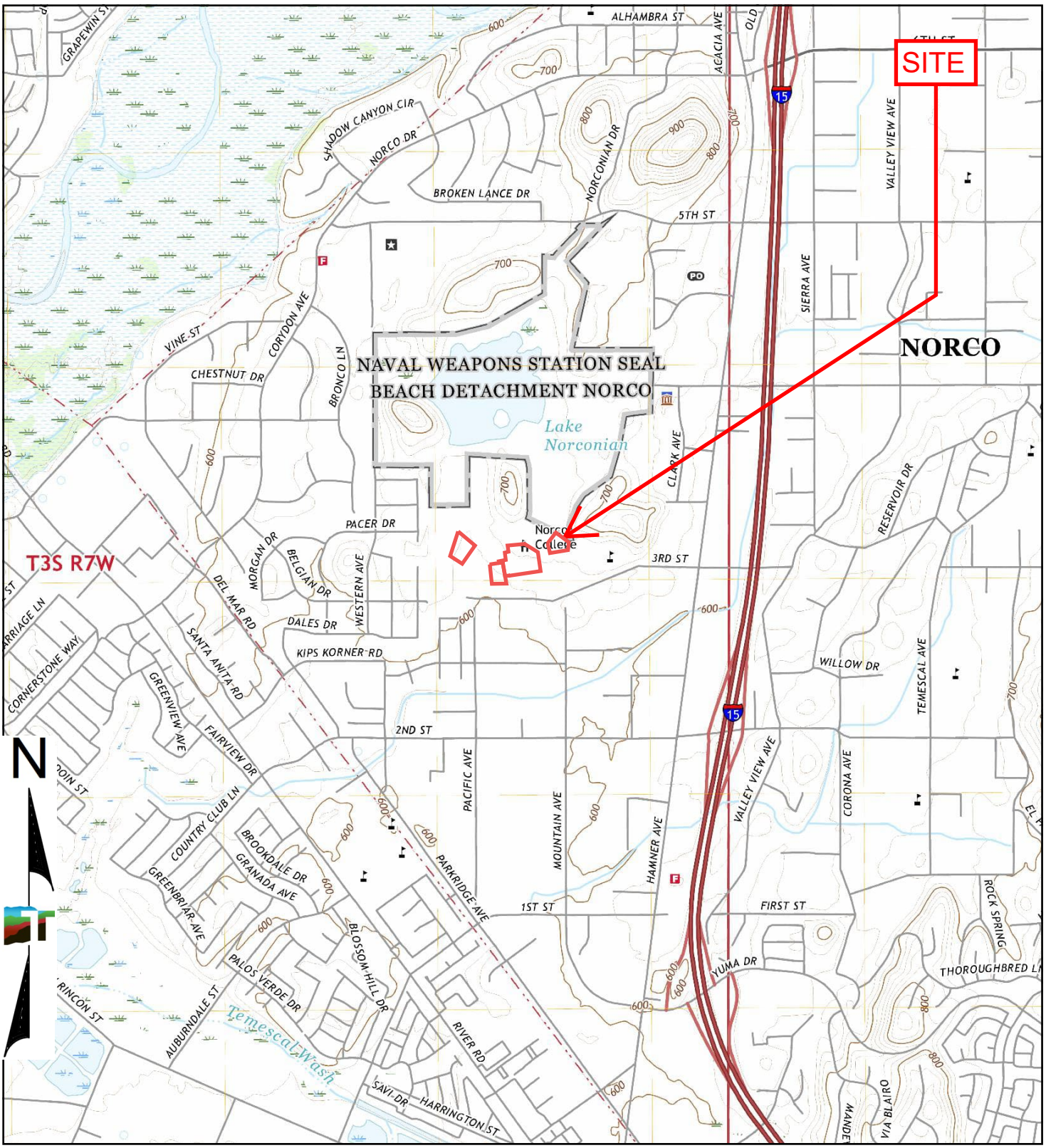
DRAFT

Sami Noaman
Manager Regional Services

APPENDIX A

EXHIBIT 1: TOPOGRAPHIC MAP

EXHIBIT 2: SITE DIAGRAM



TP, Corona North, 2022, 7.5-minute

0 Miles 0.25 0.5 1 1.5

Project Manager: BRZ	Project No. CB257022
Drawn by: IRS	Scale: As Shown
Checked by: BRZ	File Name: NA
Approved by: IRN	Date: 2022

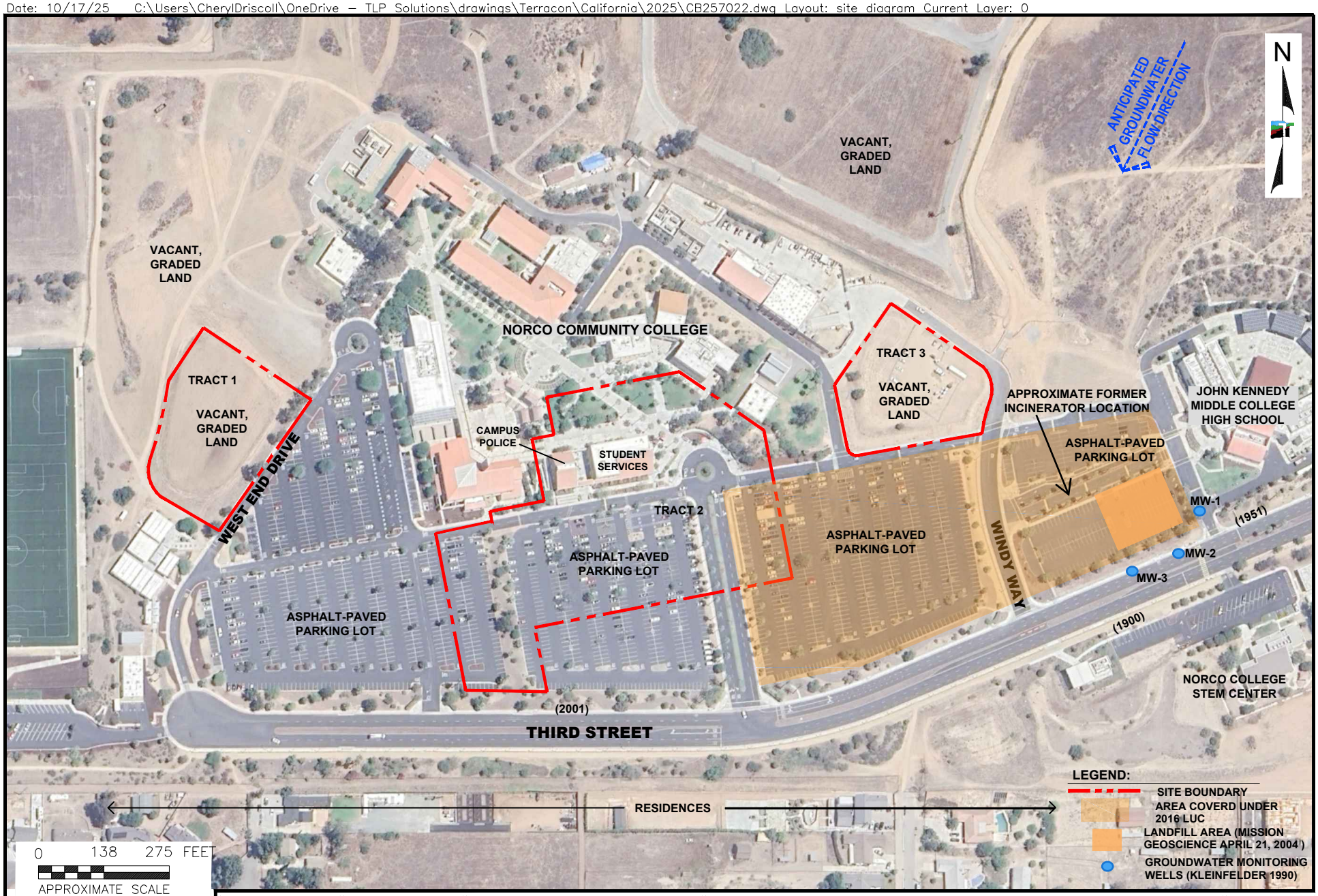
Terracon
23041 Avenida De La Carlota Ste 350
Laguna Hills, California 92653

TOPOGRAPHIC MAP

Norco College LLRC and Student Services Building
2001 Third Street
Norco, Riverside County, California

Exhibit 1

Date: 10/17/25 C:\Users\CherylDriscoll\OneDrive – TLP Solutions\drawings\Terracon\California\2025\CB257022.dwg Layout: site diagram Current Layer: 0



THIS DRAWING SHOULD NOT BE USED SEPARATELY FROM ORIGINAL REPORT.

SOURCE: GOOGLE EARTH, 2025; IMAGERY DATE: 6/22/2025

Project Mngr:	BZ
Drawn By:	CDD
Checked By:	BZ
Approved By:	CAP

Project No.	CB257022
Scale:	AS SHOWN
Date:	10/17/25

Terracon
23041 Avenida de la Carlota, Ste. 350
Laguna Hills, CA 92653

SITE DIAGRAM

NORCO COLLEGE LLRC AND STUDENT SERVICES BUILDING
2001 THIRD STREET
NORCO, RIVERSIDE COUNTY, CALIFORNIA

EXHIBIT

2

APPENDIX B

SITE PHOTOGRAPHS

Norco College LLRC and and Student Services Building
Project No. CB257022
Photo Date: September 25, 2025

Photo #1 View of the central portion of Tract 1 facing northeast.

Photo #2 View of the central portion of Tract 1 facing southeast.

Photo #3 View of the central portion of Tract 1 facing southwest.

Photo #4 View of the central portion of Tract 1 facing northwest.

Photo #5 View of the northern portion of Tract 2 facing south.

Photo #6 View of the eastern portion of Tract 2 facing west.

Photo #7 View of the southern portion of Tract 2 facing north.

Photo #8 View of the western portion of Tract 2 facing east.

Photo #9 Exterior view of the on-site building.

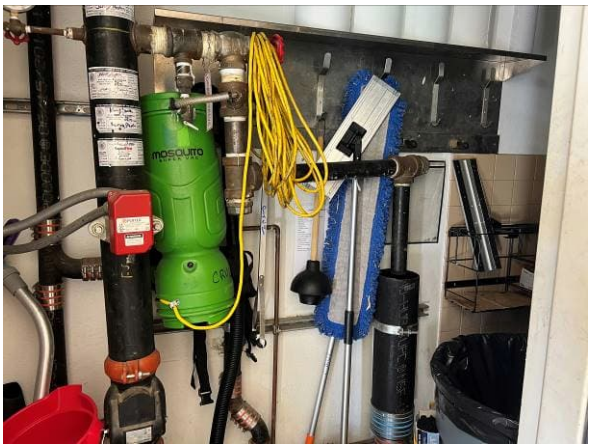


Photo #10 View of maintenance closet within the on-site building.

Photo #11 Interior view of College Resource Center within the on-site building.

Photo #12 Interior view of College Police within the on-site building.

Photo #13 Interior first-floor view of Student Services within the on-site building.

Photo #14 Interior second-floor view of Student Services within the on-site building.

Photo #15 Typical view of office within on-site building.

Photo #16 View of kitchenette within on-site building.

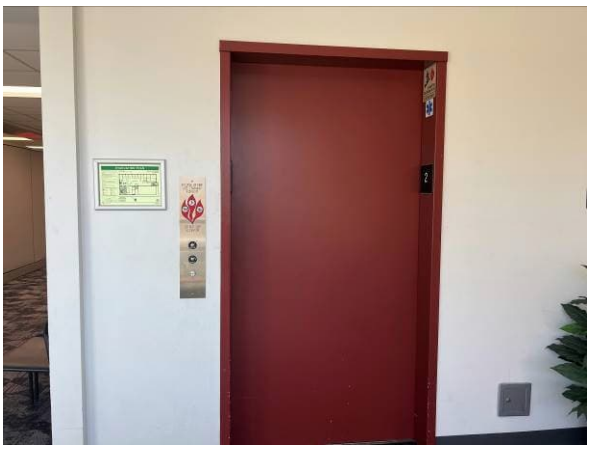


Photo #17 View of elevator within on-site building.

Photo #18 View of electrical room within on-site building.

Photo #19 View of the northern portion of Tract 3 facing south.

Photo #20 View of the eastern portion of Tract 3 looking south.

Photo #21 View of the southern portion of Tract 3.

Photo #22 View of the western portion of Tract 4.

Photo #23 View of mobile office located on the eastern portion of Tract 3.

Photo #24 View of flammables storage locker located on the eastern portion of Tract 3.

Photo #25 View of the Tract 1 northern adjoining active construction.

Photo #26 View of the Tract 1 eastern adjoining asphalt-paved parking lot.

Photo #27 View of the Tract 1 southern adjoining West End Quad.

Photo #28 View of the Tract 1 western adjoining vacant graded land.

Photo #29 View of the Tract 1 northern adjoining Science and Technology.

Photo #30 View of the Tract 1 eastern adjoining asphalt-paved parking lot.

Photo #31 View of the Tract 1 southern adjoining asphalt-paved parking lot.

Photo #32 View of the Tract 2 western adjoining Library and asphalt-paved parking lot.

Photo #33 View of the Tract 3 northern adjoining Naval Station.

Photo #34 View of the Tract 3 eastern adjoining vacant graded land.

Photo #35 View of the Tract 3 southern adjoining asphalt-paved parking lot.

Photo #36 View of the Tract 3 western adjoining Operations Center.

APPENDIX C

HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

ASTM E1527-21 User Questionnaire

Date Completed	11/6/25
Person Completing Questionnaire	Name: Mike Clark Company: Gafcon PM-CM, LLC Phone: 213-494-9609 Email: mike.clark@rccd.edu
Site Name	Norco College
Site Address	2001 Third St., Norco, CA 92860
Point of Contact for Access	Name: Travonne Bell Company: Norco College, RCCD Phone: 951-372-7040 Email: Travonne.Bell@norcocollege.edu
Access Restrictions or Special Site Requirements?	___No _X_Yes (If yes, please explain) Contact Norco College Facilities Dept. for access
Confidentiality Requirements?	_X_No ___Yes (If yes, please explain)
Current Site Owner	Name: Company: Riverside Community College District Phone: 951-222-8871 Email: Hussain.Agah@norcocollege.edu
Current Site Operator	Name: Travonne Bell, Director of Facilities, Company: Norco College Riverside Community College District Phone: 951-372-7040 Email: Travonne.Bell@norcocollege.edu
Reasons for ESA (e.g., financing, acquisition, lease, etc.)	New Building Construction: Library Learning Resource Center + Student Services
Anticipated Future Site Use	Community College functions
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.

ASTM User Questionnaire

To qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the user must respond to the following inquiries required by 40 C.F.R. §§ 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate* inquiries" is not complete.

1) Did a search of land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the site under federal, tribal, state, or local law (40 CFR 312.25)?

_X_No ___Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)

2) Did a search of land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded against the site under federal, tribal, state, or local law (40 CFR 312.26)?

___No _X_Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)

3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)?

_X_No ___Yes (If yes, explain below)

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site?

___No ___Yes _X_Not applicable (If yes or Not applicable, explain below)

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? For example, (a.) Do you know the past uses of the site? (b.) Do you know of specific chemicals that are present or once were present at the site? (c.) Do you know of spills or other chemical releases that have taken place at the site? (d.) Do you know of any environmental cleanups that have taken place at the site?

___No _X_Yes (If yes, explain below)

6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of releases at the site (40 CFR 312.31)?

___No _X_Yes (If yes, explain below)

Comments or explanations:

3/15/16 Land Use Covenant with DTSC

Please return this form with the signed authorization to proceed.

RECORDING REQUESTED BY:
Riverside Community College District
4800 Magnolia Ave.
Riverside, California 92506

WHEN RECORDED, MAIL TO:

Department of Toxic Substances Control
Brownfields and Environmental
Restoration Program
Attn: John E. Scandura, Branch Chief
5796 Corporate Avenue
Cypress, CA 90630

2016-0142151

04/12/2016 10:20 AM

Customer Copy Label

The paper to which this label is affixed has not been compared with the filed/recorded document

Peter Aldana
County Of Riverside
Assessor-County Clerk-Recorder

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

COVENANT TO RESTRICT USE OF PROPERTY

ENVIRONMENTAL RESTRICTION

Re: County of Riverside APNs 126-020-002 and 129-210-005, Riverside Community College District, Norco College, DTSC Site Code No. 400202

This Covenant and Agreement ("Covenant") is made by and between Riverside Community College District (the "Covenantor"), the current owner of property situated in the City of Norco, County of Riverside, State of California, described in Exhibit "A" and depicted in Exhibit "B," attached, (the "Property"), and the Department of Toxic Substances Control (the "Department"). Pursuant to Civil Code section 1471, the Department has determined that this Covenant is reasonably necessary to protect present or future human health or safety or the environment as a result of the presence on the land of hazardous materials as defined in Health and Safety Code section 25260. The Covenantor and Department, collectively referred to as the "Parties," hereby agree, pursuant to Civil Code section 1471 and Health and Safety Code section 25355.5 that the use of the Property be restricted as set forth in this Covenant; and the Parties

further agree that the Covenant shall conform with the requirements of California Code of Regulations, title 22, section 67391.1.

ARTICLE I
STATEMENT OF FACTS

1.1. Property Location. The Property that is subject to this Covenant, totaling approximately 142.63 acres, is more particularly described and depicted in the attached Exhibits "A" and "B". The Property is located in the area now generally bounded by Third Street in the southwestern portion of the property, residential housing to the west and south, US Naval Surface Warfare Center to the north, and commercial properties to the east and southeast. The eastern property boundary is approximately 867 feet west of Hamner Avenue. The Property is also generally described as Riverside County Assessor's Parcel Nos.126-020-002 and 129-210-005.

A limited portion of the Property is more particularly depicted in Exhibit "C," and referred to as the "Landfill." The Landfill is located beneath portions of paved Parking Lots "A" and "B" that are inside Parcel No. 126-020-002 and a portion of Third Street. Geophysical data indicates that the Landfill covers an area of approximately 16,000 square feet. The portion of the Landfill that contains wastes is located approximately 50 feet southwest of monitoring well MW-1, approximately 50 feet north of monitoring well MW-2 and approximately 100 feet north of monitoring well MW-3. This area has not been more specifically defined.

A limited portion of the Property, totaling approximately 6.45 acres, is more particularly described in the attached Exhibit "D" as "Phase II" and depicted in the attached Exhibit "E" as "Phase 2" and referred to as the "Kennedy Middle College High School (KMCHS) Site."

1.2. Site History. Historically, the Property was owned by the Navy. Navy activities at the Property involved hazardous material use and disposal. In 1980, the Property was

part of a larger parcel of land transferred by the Navy to the General Services Administration. The Covenantor acquired the Property from the General Services Administration in 1984.

In April 1989, Covenantor's environmental evaluation of these activities identified a potential for chemical residue contamination at the former hospital incinerator, a nearby landfill (i.e., the Landfill), ordinance storage buildings, ordinance burn pit and nearby landfill, building remnants and aboveground fuel storage tanks. Limited previous site sampling indicated elevated concentrations of antimony, cadmium, copper, lead, silver and zinc, as well as dioxins and furans. Polychlorinated biphenyls (PCBs) volatile organic compounds, semi-volatile compounds, naphthalene, and organochlorine pesticides were also detected.

In December 1989, the Department approved Covenantor's plan to begin construction of the Norco College campus on the western portion of the Property, based upon Covenantor's agreement that construction would only occur in areas where excavation had started and no contamination had been encountered.

1.3. Remediation of Property. Suspected locations of hazardous substances on the eastern portion of the Property have been investigated and remediated under the Department's oversight. These areas include the former Navy hospital incinerator, an adjacent ash pile, and a landfill area. Between June 1989 and August 1990, the Covenantor investigated these areas and conducted cleanup under the Department's oversight pursuant to plans approved by the Department.

In July 1989, Covenantor sampled test pits in refuse trenches in the landfill east and south of the incinerator and extending south beneath the proposed alignment of Third Street. Waste encountered in the test pits included beverage bottles, medical supplies, glass, metals, office supplies, ceramic dishes, wood, wire, roofing construction materials, plastic bottles, styrofoam, steel pipes, concrete, asphalt, incinerator ash, metal cans and containers, metal sheets and pieces of broken sinks and toilets. A layer

of inert refuse material consisting of incinerator ash, medicine bottles, medical supplies, construction debris, and wood existed at depths varying between three feet and seven feet below ground surface in the explored trench. Laboratory analytical results indicated that concentrations of copper, lead, and zinc in a sample collected from trench LFT-7 exceeded 10 times the corresponding Soluble Threshold Limit Concentrations for hazardous waste pursuant to Article 11, Title 22 of the California Administrative Code. The concentration of lead in the sample exceeded the corresponding Total Threshold Limit Concentration for that substance pursuant to the previously mentioned citation. From geophysical data this landfill area was estimated to be approximately 400 by 400 square feet with maximum debris depth to be about 8 feet. Based on the results of this investigation, the Covenantor removed the buried debris and excavated the soil surrounding the hazardous soil sample to a depth of approximately four feet below the bottom of the buried landfill material.

During the grading for Third Street In June 1990, approximately 25 tons of waste and impacted soil found in a test pit in Third Street were excavated, classified as hazardous waste, and transported to a hazardous waste facility in Utah for disposal. Approximately 250 tons of waste materials (similar to the waste encountered in the test pits) were removed and placed over existing landfill waste in a location on the Property north of the excavation for Third Street. Most of this waste was placed on the portion of the Property to be used by Norco College. The remainder was placed on the part of the Property to be leased to Kennedy High School. The Landfill was covered with about 20 feet of clean soil and the surface paved with asphalt for use as a parking lot. Post-cleanup monitoring of groundwater in the area of the remediated landfill was required to detect any release of hazardous substances from the Landfill. Three monitoring wells were installed and an initial set of samples was obtained and analyzed.

In 2003 Corona-Norco Unified School District completed a Preliminary Endangerment Assessment (PEA) on the site now occupied by KMPMS. The PEA consisted of a soil vapor survey, soil borings, and four off-site surface soil samples for purposes of determining background heavy metals concentrations. Methane and hydrogen sulfide

were not detected in the soil gas samples, and eight volatile organic compounds (VOC) in soil gas concentrations that did not require remediation. Although no semi-volatile organic compounds were found in the native soil, two of these substances, di-n-butyl phthalate and phenol were detected in fill material. Dioxins and furans were detected in a sample from fill material in concentration of 33.8 picograms per gram (as converted equivalent to 2,3,7,8-TCDD equivalents). The concentrations of 16 heavy metals exceeded background with lead detected at 1,000 mg/kg in the fill material.

Based on the PEA, a removal action at the portion of the Site now occupied by KMPHS was completed in March 2005 in compliance with a Removal Action Workplan approved by DTSC. The removal action consisted of excavating non-hazardous overlying fill material that posed a risk to human health in excess of one in one-million. A total of 4,107.04 tons of impacted soil was removed and disposed at the Waste Management Kettlemen Hills hazardous waste facility in Kettlemen City, California. A total of 3,567.22 tons of overlying non-hazardous fill materials were removed and disposed of at the Azusa Land Reclamation facility in Azusa, California.

After the KMPHS removal action was completed, 36 confirmation samples were collected and analyzed for arsenic, lead, cadmium, PCBs, and dioxins/furans. Because detected arsenic and cadmium concentrations are comparable to the background samples, these substances were not considered in the recalculation of the post removal action Site risk. Lead was detected at concentrations below its cleanup goal and the incremental risk associated with residual Aroclor-1254 PCB, dioxin, and furan was considered within the acceptable risk management range defined by the National Contingency Plan.

In 2011, the Covenantor and the Department entered into a Voluntary Cleanup Agreement (VCA) in accordance with Health and Safety Code section 25355.5(a)(1)(C). Pursuant to the VCA, the Covenantor, under the Department's oversight, conducted additional ground water monitoring in the area of the remediated landfill. Contaminants detected in the groundwater include arsenic, barium, chromium, vanadium, toluene, 1,1-

dichloroethene, methylene chloride, chloroform, perchlorate, tetrachloroethylene and trichloroethylene. In 2013, the Department determined that the groundwater monitoring well network was not suitable for detecting a release of hazardous substances from the landfill. As a result, groundwater monitoring has been discontinued.

Hazardous substances, including antimony, cadmium, copper, lead, silver, zinc, dioxins, and furans remain at the Property above levels acceptable for unrestricted land-use. Additionally, the Property has not been fully surveyed and characterized to determine if other hazardous substances above levels acceptable for unrestricted land-use also remain in soils, soil gases or groundwater.

1.4 Basis for Environmental Restrictions. Not all areas of potential contamination on the Property have been identified and characterized. As a result of the presence of hazardous substances, which are also hazardous materials as defined in Health and Safety Code section 25260, at the Property, the Department has concluded that it is reasonably necessary to restrict the use of the Property in order to protect present or future human health or safety or the environment, and that this Covenant is required as part of the Department-approved remedy for the eastern portion of the Property described above. The Department has also concluded that the Property, as remediated and when used in compliance with the Environmental Restrictions of this Covenant, does not present an unacceptable risk to present and future human health or safety or the environment from exposures to hazardous substances in soils or groundwater.

Except for the 6.45 acres of the Property occupied by KMPHS, environmental investigations of the Property to date have not included evaluation of the potential exposure to occupants of existing enclosed structures from hazardous substances in soil gases. Should any future environmental investigation show that such potential exposure presents an unacceptable health risk to such occupants, this Covenant shall be amended or an additional Covenant executed, as necessary, to prohibit further occupancy of existing enclosed structures, or condition further occupancy on the implementation of appropriate vapor mitigation measures.

ARTICLE II
DEFINITIONS

2.1. Department. "Department" means the California Department of Toxic Substances Control and includes its successor agencies, if any.

2.2. Environmental Restrictions. "Environmental Restrictions" means all protective provisions, covenants, restrictions, requirements, prohibitions, and terms and conditions as set forth in this Covenant.

2.3. Improvements. "Improvements" includes, but is not limited to: buildings, structures, roads, driveways, improved parking areas, wells, pipelines, or other utilities.

2.4. Lease. "Lease" means lease, rental agreement, or any other document that creates a right to use or occupy any portion of the Property.

2.5. Occupant. "Occupant" or "Occupants" means Owner and any person or entity entitled by ownership, leasehold, or other legal relationship to the right to occupy any portion of the Property.

2.6. Owner. "Owner" or "Owners" means the Covenantor, and all successor in interest including heir and assignee, who at any time hold title to all or any portion of the Property.

ARTICLE III
GENERAL PROVISIONS

3.1. Runs with the Land. This Covenant sets forth Environmental Restrictions that apply to and encumber the Property and every portion thereof no matter how it is improved, held, used, occupied, leased, sold, hypothecated, encumbered, or conveyed except as stated otherwise in this paragraph 3.1. This Covenant: (a) runs with the land

pursuant to Health and Safety Code section 25355.5 and Civil Code section 1471; (b) inures to the benefit of and passes with each and every portion of the Property, (c) is for the benefit of, and is enforceable by the Department, and (d) is imposed upon the entire Property, excepting therefrom the 6.45 acres occupied by the Corona-Norco Unified School District as KMCHS, or unless expressly stated as applicable only to a specific portion thereof.

3.2. Binding upon Owners/Occupants. This Covenant: (a) binds all owners of the Property, their heirs, successors, and assignees; (b) and the agents, employees, and lessees of the Owners and the Owners' heirs, successors, and assignees. Pursuant to Civil Code section 1471, all successive Owners of the Property are expressly bound hereby for the benefit of the Department; this Covenant, however, is binding on all Owners and Occupants, and their respective successors and assignees, only during their respective periods of ownership or occupancy except that such Owners or Occupants shall continue to be liable for any violations of, or non-compliance with, the Environmental Restrictions of this Covenant or any acts or omissions during their ownership or occupancy.

3.3. Incorporation into Deeds and Leases. This Covenant shall be incorporated by reference in each and every deed and Lease for any portion of the Property.

3.4. Conveyance of Property. The Owner and any new Owner shall provide Notice to the Department not later than 30 calendar days after any conveyance or receipt of any ownership interest in the Property (excluding Leases, and mortgages, liens, and other non-possessory encumbrances). The Notice shall include the name and mailing address of the new Owner of the Property and shall reference the site name and site code as listed on page one of this Covenant. The Notice shall also include the Assessor's Parcel Number(s) noted on page one. If the new Owner's property has been assigned a different Assessor's Parcel Number, each such Assessor's Parcel Number that covers the Property must be provided. The Department shall not, by reason of this Covenant, have

authority to approve, disapprove, or otherwise affect proposed conveyance, except as otherwise provided by law or by administrative order.

3.5. Costs of Administering the Covenant to be paid by Owner. The Department has already incurred and will in the future incur costs associated with this Covenant. Therefore, the Covenantor hereby covenants for the Covenantor and for all subsequent Owners that, pursuant to California Code of Regulations, title 22, section 67391.1(h), the Owner agrees to pay the Department's costs in administering, implementing and enforcing this Covenant.

ARTICLE IV
RESTRICTIONS AND REQUIREMENTS

4.1. Prohibited Uses. The Property shall not be used for any of the following purposes without prior written approval by the Department:

(a) A residence, including any mobile home or factory built housing, constructed or installed for use as residential human habitation;

(b) A hospital for humans;

(c) A public or private school for persons under 18 years of age, except for such KMCHS or other high school students who take courses on the College campus.

(d) A day care center for children.

4.2 Prohibited Construction. Construction of any new enclosed structure to be used for any purpose is prohibited without the Department's written approval of the vapor intrusion evaluation described in this section 4.2.

Prior to construction of any new enclosed structure to be used for any purpose, the Owner shall determine if incorporation of vapor mitigation engineering controls or design alternatives ("Vapor Mitigation") is necessary and identify any related post-construction operation and maintenance requirements. A reduction in potential risk

can be achieved through engineering controls or other design alternatives that meet the specifications set forth in DTSC's "Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air" and "Final Vapor Intrusion Mitigation Advisory, Revision 1," both dated October 2011, and any future revisions.

Prior to occupancy of any new enclosed structure to be used for any purpose, the Owner shall obtain the Department's written approval that any necessary vapor mitigation system has been properly constructed and is operating successfully.

4.3. Other Prohibited Activities. The following activities shall not be conducted at the Property:

(a) Drilling for water, oil, or gas without prior written approval by the Department.

(b) Extraction or removal of groundwater without a Groundwater Management Plan pre-approved by the Department in writing.

(c) Activity that may alter, interfere with, or otherwise affect the integrity or effectiveness of, or the access to, any investigative, remedial, monitoring, operation or maintenance system (e.g., cap, vapor extraction system, monitoring system, groundwater extraction system) or activity required for the Property without prior written approval of the Department.

4.4. Soil Management. Soil management activities at the Property are subject to the following requirements in addition to any other applicable Environmental Restrictions:

(a) No activities that will disturb the soil at or below 4 feet below grade (e.g., excavation, grading, removal, trenching, filling, earth movement, mining, or drilling) in developed areas of the Property shall be allowed at the Property without a Soil Management Plan pre-approved by the Department in writing.

(b) No activities that will disturb the soil (e.g., excavation, grading, removal, trenching, filling, earth movement, mining, or drilling) in undeveloped areas of the Property shall be allowed at the Property without a Soil Management Plan pre-approved by the Department in writing.

(c) Any soil brought to the surface by grading, excavation, trenching or backfilling shall be managed in accordance with all applicable provisions of state and federal law.

(d) The parking lots and any other areas that cover the Landfill shall be operated and maintained to ensure they constitute an adequate barrier to human exposure to the buried wastes.

4.5. Access for Department. The Department shall have reasonable right of entry and access to the Property for inspection, remediation, monitoring, and other activities as deemed necessary by the Department in order to protect human health or safety, or the environment.

4.6. Access for Implementing Operation and Maintenance. The entity or person responsible for implementing the operation and maintenance activities, if any, shall have reasonable right of entry and access to the Property for the purpose of implementing such operation and maintenance activities until the Department determines that no further operation and maintenance is required.

4.7. Inspection and Reporting Requirements. The Owner shall conduct an annual inspection of the Property verifying compliance with this Covenant, and shall submit an annual inspection report to the Department for its approval by January 15th of each year. The annual inspection report must include the dates, times, and names of those who conducted the inspection and reviewed the annual inspection report. It also shall describe how the observations were performed that were the basis for the statements and conclusions in the annual inspection report (e.g., drive by, fly over, walk in, etc.). If any violation is noted, the annual inspection report must detail the steps taken to return to compliance. If the Owner identifies any violations of this Covenant

during the annual inspections or at any other time, the Owner must within 10 calendar days of identifying the violation (a) determine the identity of the party in violation; (b) send a letter advising the party of the violation of the Covenant; and (c) demand that the violation cease immediately. Additionally, a copy of any correspondence related to the violation of this Covenant shall be sent to the Department within 10 calendar days of its original transmission.

ARTICLE V
ENFORCEMENT

5.1. Enforcement. Failure of the Owner or Occupant to comply with this Covenant shall be grounds for the Department to require modification or removal of any Improvements constructed or placed upon any portion of the Property in violation of this Covenant. Violation of this Covenant, such as failure to submit (including the submission of any false statement), a record or report to the Department, shall be grounds for the Department to pursue administrative, civil, or criminal actions, as provided by law.

ARTICLE VI
VARIANCE, REMOVAL, AND TERM

6.1. Variance from Environmental Restrictions. Any person, may apply to the Department for a written variance from any of the Environmental Restrictions imposed by this Covenant. Such application shall be made in accordance with Health and Safety Code section 25223.

6.2 Removal of Environmental Restrictions.. Any person may apply to the Department to remove any of the Environmental Restrictions imposed by this Covenant or terminate the Covenant in its entirety. Such application shall be made in accordance with Health and Safety Code section 25224.

6.3 Term. Unless ended in accordance with paragraph 6.2, by law, or by the Department in the exercise of its discretion, this Covenant shall continue in effect in perpetuity.

ARTICLE VII
MISCELLANEOUS

7.1. No Dedication Intended. Nothing set forth in this Covenant shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Property, or any portion thereof to the general public or anyone else for any purpose whatsoever.

7.2. Recordation. The Covenantor shall record this Covenant, with all referenced Exhibits, in the County of Riverside within 10 calendar days of the Covenantor's receipt of a fully executed original.

7.3. Notices. Whenever any person gives or serves any Notice ("Notice" as used herein includes any demand or other communication with respect to this Covenant), each such Notice shall be in writing and shall be deemed effective: (a) when delivered, if personally delivered to the person being served or to an officer of a corporate party being served, or (b) five calendar days after deposit in the mail, if mailed by United States mail, postage paid, certified, return receipt requested:

To Owner: Riverside Community College District
Attn: Chris Carlson
4800 Magnolia Ave.
Riverside, CA 92506

And

General Counsel
Riverside Community College District
4800 Magnolia Ave.
Riverside, CA 92506

To Department: Department of Toxic Substances Control
Brownfields and Environmental Restoration Program
Attn: John E. Scandura
Branch Chief
5796 Corporate Avenue
Cypress, CA 90630

Any party may change its address or the individual to whose attention a Notice is to be sent by giving written Notice in compliance with this paragraph.

7.4. Partial Invalidity. If this Covenant or any of its terms are determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.

7.5. Statutory References. All statutory or regulatory references include successor provisions.

7.6. Incorporation of Exhibits. All exhibits and attachments to this Covenant are incorporated herein by reference.

[Signatures appear on following page(s)]

IN WITNESS WHEREOF, the Parties execute this Covenant.

Covenantor: Riverside Community College District

By: Michael D. Burke

Title: Michael Burke, Ph.D. Chancellor

Date: 3-18-16

Department of Toxic Substances Control:

By:

Title: John E. Scandura
Branch Chief
Brownfields and Environmental Restoration Program

Date: March 28, 2016

PLEASE SEE ATTACHED CERTIFICATE.
yc. 3-28-16

CALIFORNIA ALL PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

COUNTY OF ORANGE

On 3/28, 2016 before me, Young Sam Choi Notary Public,

personally appeared John E. Scandura

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(~~ies~~), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

BCT3 YOUNG SAM CHOI COMM...1970829 NOTARY PUBLIC-CALIFORNIA ORANGE COUNTY My Term Exp. March 28, 2016 BCT3

Signature : _____ (Seal)

---------- OPTIONAL ----------

Description of Attached Document

Title or Type of Document : Covenant to Restrict to use of property

Number of Pages : _____ Document Date : _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT **CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Riverside)

On 3/18/16 before me, Melissa L. Griffith, Notary Public,
Date *Here Insert Name and Title of the Officer*

personally appeared Michael Burke, Ph.D. Chancellor
Name(s) of Signer(s)

,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

MELISSA L. GRIFFITH
Commission # 1989526
Notary Public - California
Riverside County
My Comm. Expires Aug 28, 2016

Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Covenant Document Date: 3/18/16
Number of Pages: 24 Signer(s) Other Than Named Above: John E. Scandura

Capacity(ies) Claimed by Signer(s)

Signer's Name: Michael Burke	Signer's Name:
☑ Corporate Officer — Title(s): Chancellor	☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
☐ Other:	☐ Other:
Signer Is Representing: Riverside Community College District	Signer Is Representing:

EXHIBIT "A"-LEGAL DESCRIPTION

RIVERSIDE COMMUNITY COLLEGE DISTRICT
NORCO COLLEGE

That portion of Sections 12 and 13, Township 3 South, Range 7 West, in the Rancho La Sierra per Map Book 6 at Page 70, Riverside County, California, described as follows:

BEGINNING at the most Northerly corner of that certain land as described by Quitclaim Deed recorded June 24, 1985, as Instrument No 136773, Official Records of Riverside County, California, also being the most Northerly corner of said certain land, as shown by map of Record of Survey on file in Book 76 of Records of Survey, at Page 29 thereof, Records of said County;

Thence S.82°48'35" W., a distance of 401.46 feet;

THENCE S.10°00'23"W., a distance of 394.21 feet;

THENCE S.16°16'52"W., a distance of 563.46 feet;

THENCE S.54°55'37"W., a distance of 501.78 feet;

THENCE S.34°50'42"W., a distance of 206.17 feet;

THENCE S.19°35'59"W., a distance of 309.37 feet;

THENCE S.09°43'46"E., a distance of 221.38 feet;

THENCE S.82°13'37" W., a distance of 50.33 feet;

THENCE N.63°22'16"W., a distance of 766.13 feet;

THENCE N.22°02'17"E., a distance of 24.00 feet to a tangent curve concave Southwesterly, having a radius of 294.87 feet;

THENCE Northwesterly along said curve through a central angle of 22°11'08", an arc length of 114.18 feet;

THENCE N.00°08'51"W., a distance of 562.13 feet to a tangent curve concave Southwesterly, having a radius of 639.93 feet;

THENCE Northwesterly along said curve through a central angle of 18°53'43", an arc length of 211.04 feet;

EXHIBIT "A"-LEGAL DESCRIPTION

RIVERSIDE COMMUNITY COLLEGE DISTRICT
NORCO COLLEGE

THENCE N.86°25'21"W., a distance of 857.15 feet;

THENCE S.00°05'21"E., a distance of 773.69 feet;

THENCE S.89°53'27"W., a distance of 622.62 feet;

THENCE S.00°00'16"W., a distance of 1479.32 feet;

THENCE S.89°58'20"E., a distance of 2041.03 feet;

THENCE S.00°00'16"W., a distance of 60.00 feet;

THENCE S.89°58'20"E., a distance of 1155.53 feet;

THENCE N.07°30'30"E., a distance of 1621.18 feet;

THENCE N.01°12'49"E., a distance of 1362.28 feet, to **THE POINT OF BEGINNING.**

The above described land contains 142.83 acres, more or less.

See "Exhibit B" attached hereto and made a part hereof, by this reference.

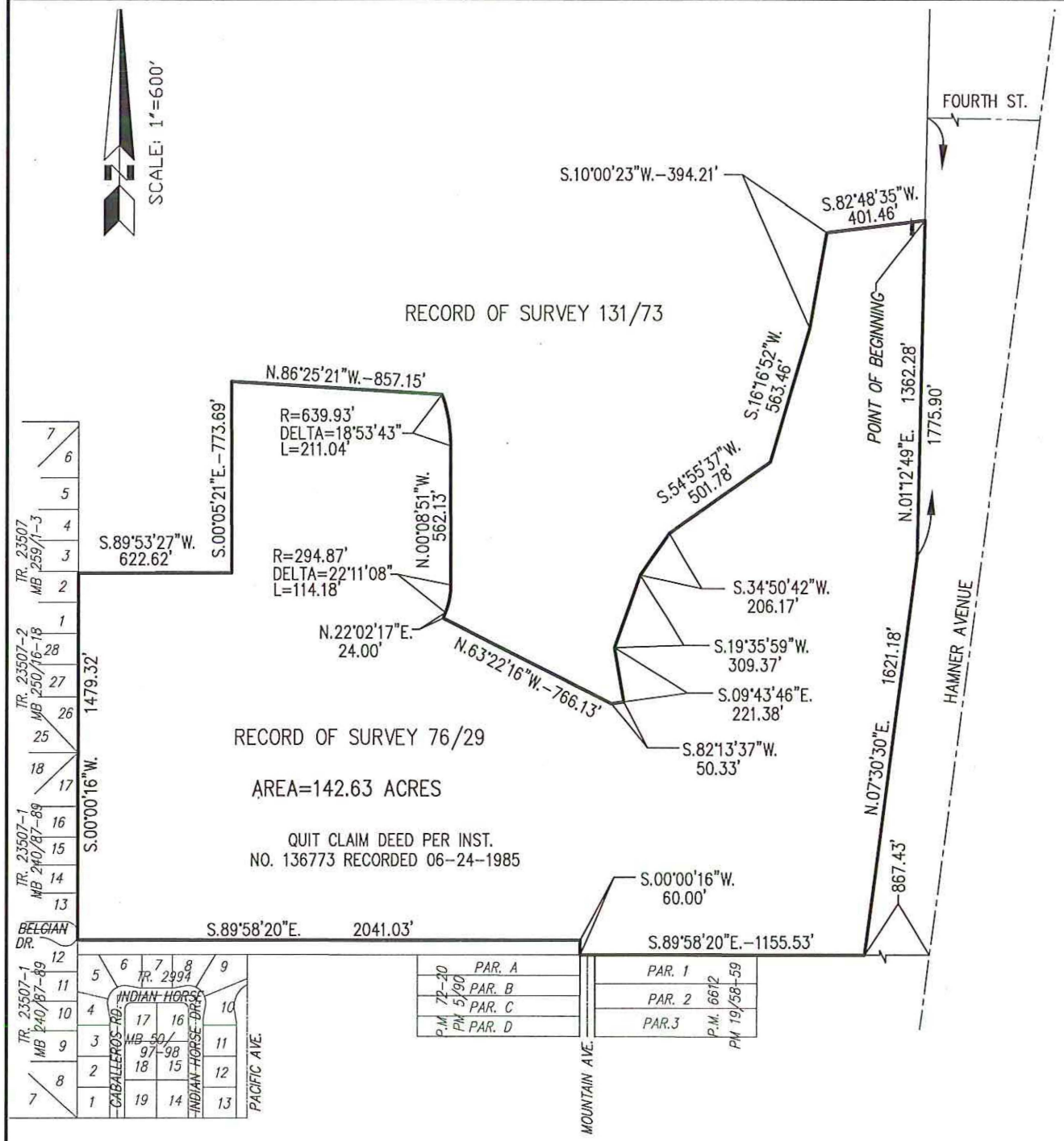
This Legal Description was prepared by me or under my supervision in Conformance with the requirements of the Land Surveyors Act

Paul A. Perea 09-23-2015

Paul A. Perea, L.S. 6199 Date
License Expires 03/31/16

EXHIBIT "B"-MAP

(TO ACCOMPANY EXHIBIT "A"-LEGAL DESCRIPTION



PREPARED BY:

KCT CONSULTANTS, INC.
4344 LATHAM STREET, STE. 200
RIVERSIDE, CA 92501
(951) 341-8940
TERRY@KCTCONSULTANTS.COM

Exhibit C

The Landfill

Note: Yellow line depicts former Landfill area.

August 21, 2002 1038-25

EXHIBIT "D"

Riverside Community College - Norco Campus

Corona-Norco Unified School District

Kennedy High School Phase I and II

Those p0liions of Sections 12 and 13, Township 3 South, Range 7 West, in the Rancho La Sierra, on file in Book 6 of Maps, Page 70 thereof, Records of Riverside County, California, as conveyed to Riverside Community College Disttict by Quitclaim Deed recorded June 24, 1985 as Instrument No. 136773, Official Records of Riverside County, and as shown by map of Record of Survey on file in Book 76 of Record of Surveys, Page 29, Records of Riverside County, being described as follows:

PHASE I:

COMMENCING at the Southeast corner of said Record of Survey;

Thence N.07°30'30"E. along the easterly line of said Record of Survey, a distance of 690.21 feet, to the centerline of 3'd Street as shown by map of Record of Survey on file in Book 91 of Record of Surveys, Page 100, Records of said Riverside County, said centerline being a curve concave southerly and having radius of 1000.00 feet;

Thence along the southwesterly prolongation of said curve along a curve concave southeasterly, having a radius of 1000.00 feet, through an angle of 03°58'59" and an arc length of 69.52 feet, the initial radial line bears N.05°54'37"W.;

Thence N.09°53'36"W., a distance of 43.00 feet, to a curve concentric with and 43.00 northwesterly of said last mentioned curve;

Thence southwesterly along said concenttic curve, concave southeasterly, having a radius of 1043.00 feet, through an angle of 12°31'14" and an arc length of 227.92 feet;

Thence S.67°35'10"W., a distance of 313.89 feet, to the **POINT OF BEGINNING;**

Thence S.67°35'10"W., a distance of 755.53 feet;

Thence southwesterly along a tangent curve, concave northwesterly, having a radius of 957.00 feet, through an angle of 03°16'23" and an arc length of 54.67 feet;

Thence N.09°48'55"W., a distance df 43683 ieef;

Thence N.80°11'0S"E., a distance of 732.53 feet, to a line which bears N.22°24'50"W. from the Point of Beginning;

Thence S.22°24'50"E. along said line, a distance of 268.10 feet, to the Point of Beginning.

The above described parcel of land contains 6.18 acres, more or less.

PHASE II:

COMMENCING at the Southeast comer of said Record of Survey;

Thence N.07°30'30"E. along the easterly line of said Record of Survey, a distance of 690.21 feet, to the centerline of 3'd Street as shown by map of Record of Survey on file in Book 91 of Record of Surveys, Page 100, Records of said Riverside County, said centerline being a curve concave southerly and having radius of 1000.00 feet;

Thence along the southwesterly prolongation of said curve along a curve concave southeasterly, having a radius of 1000.00 feet, through an angle of 03°58'59" and an arc length of 69.52 feet, the initial radial line bears N.05°54'37"W.;

Thence N.09°53'36"W., a distance of 43.00 feet, to a curve concentric with and 43.00 notthwesterly of said last mentioned curve, being the **POINT OF BEGINNING;**

Thence southwesterly along said concenttic curve, concave southeasterly, having a radius of 1043.00 feet, through an angle of 12°31'14" and an arc length of 227.92 feet;

Thence S.67°35'10"W., a distance of 313.89 feet;

Thence N.22°24'50"W., a distance of 517.00 feet;

Thence N.67°35'10"E., a distance of 540.00 feet, to a line which bears N.22°24'50"W. from the Point of Beginning;

Thence S.22°24'50"E. along said line, a distance of 541.80 feet, to the Point of Beginning.

The above described parcel of land contains 6.45 acres, more or less.

KCT CONSULTANTS, INC.
Prepared Under the Supervision of:

_____
Marissa Crowther, PLS 6152

Date:

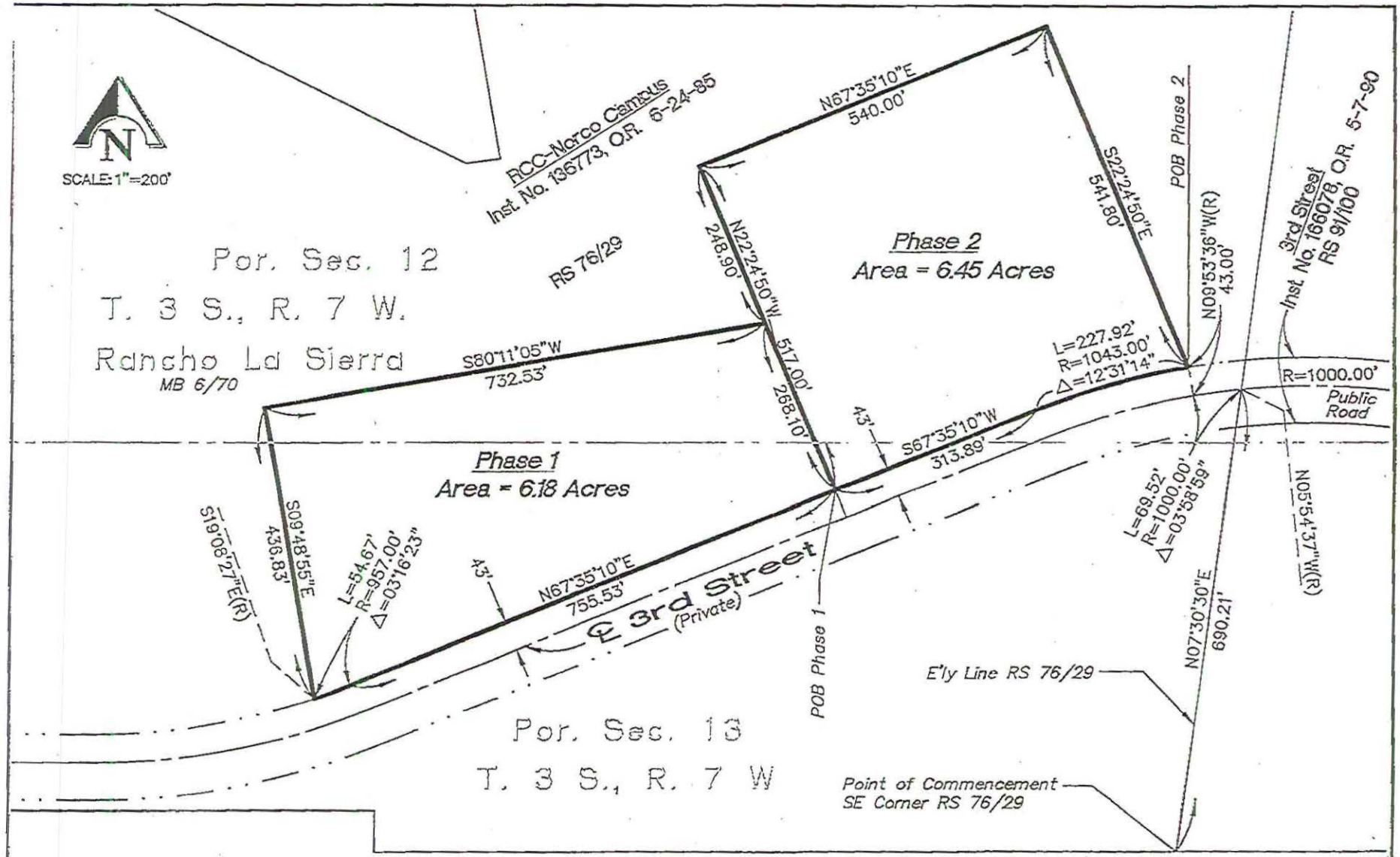


EXHIBIT E

Prepared under the supervision of:	CORONA - NORCO U.S.D. KENNEDY HIGH SCHOOL	EXHIBIT "B"
		Sheet 1 of 1
	KCT CONSULTANTS, INC. Civil Engineers - Surveyors - Planners	Scale: 1"=200'
		August 2002
MARISSA CROWTHER, PLS 6152 DATE		W/O 1038-25

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____

On _____ before me,

_____

(space above this line is for name and title of the officer/notary),

personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal,

_____ (seal)

Signature of Notary Public

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____

On _____ before me,

_____

(space above this line is for name and title of the officer/notary),

personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal,

_____ (seal)

Signature of Notary Public

Department of Toxic Substances Control

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

January 14, 2016

Mr. Bart Doering
Riverside Community College District
450 East Alessandro Boulevard
Riverside, California 92508

**RE: RIVERSIDE COMMUNITY COLLEGE, NORCO CAMPUS,
2001 THIRD STREET, NORCO, CALIFORNIA 92860**

Dear Mr. Doering:

Enclosed, please find two copies of the Land Use Covenant (LUC), to be recorded at Riverside County Clerk's office. Please sign and notarize each original document and return to my attention for further processing. Upon receiving the signed, notarized documents from you, the department will also sign and notarize each LUC. Thereafter, the department will forward the signed LUCs to you for filing at Riverside County Clerk's Office.

Riverside County will process, stamp and keep one original copy of the LUC. Please keep one copy of the document for your records and send one original copy back to our office.

If you have any questions, please contact me at (714) 484-5352 or at Willard.Garrett@dtsc.ca.gov.

Sincerely,

RECEIVED
APR - 8 2016
BY:_____

Willard Garrett
Environmental Scientist/Project Manager
Brownfields and Environmental Restoration Program

cc: Manny Alonzo
Unit Chief
DTSC-Cypress
Manny.Alonzo@dtsc.ca.gov

RECEIVED
JAN 15 2016
BY:_____

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

March 30, 2016

ORIGINAL

Bart Doering
Riverside Community College District
450 East Alessandro Boulevard
Riverside, California 92508

**RE: RIVERSIDE COMMUNITY COLLEGE, NORCO CAMPUS,
2001 THIRD STREET, NORCO, CALIFORNIA 92860**

Dear Mr. Doering:

Enclosed, please find two signed copies of the Land Use Covenant (LUC), to be recorded at Riverside County Clerk office. After recording the LUC at Riverside County, please keep one original copy for your record and send one original copy to our office.

If you have any questions, please contact me at (714) 484-5352 or at Willard.Garrett@dtsc.ca.gov.

Sincerely,

Willard Garrett
Environmental Scientist/Project Manager
Brownfields and Environmental Restoration Program

RECEIVED
APR - 8 2016
BY:

cc: Manny Alonzo
Unit Chief
Department of Toxic Substances Control
Brownfields and Environmental Restoration Program
DTSC-Cypress
Manny.Alonzo@dtsc.ca.gov

Peter Aldana
Riverside County
Assessor-County Clerk-Recorder
2720 & 2724 Gateway Drive
Riverside, CA 92507
(951) 486-7000
www.riversideacr.com

Receipt: 16-112595

Product	Name	Extended
9	AGREEMENT	$0.00
	Document #	2016-0142151
	# Pages	25
Total		$0.00
Change (On Account)		$0.00

Account#	RCC
Account Name	RCC - RIVERSIDE COMMUNITY COLLEGE DIST
Balance	$0.00

4/12/16 10:20 AM
CAC

Agenda Item

Agenda Item (VIII-E-1)

Meeting	3/15/2016 - Regular
Agenda Item	Committee - Facilities (VIII-E-1)
Subject	Land Use Covenant for the Groundwater Monitoring Wells Compliance Project with the Department of Toxic Substances Control
College/District	Norco
Funding	College Allocated Measure C Funds
Recommended Action	It is recommended that the Board of Trustees approve the Land Use Covenant with the Department of Toxic Substances Control.

Background Narrative:

On June 21, 2011, the Board of Trustees approved the initial budget of $100,000 for the purpose of locating and re-constructing the original (3) Water Monitoring Wells located at the Norco College. At the August 20, 2013 meeting, the Board of Trustees approved the request to augment the initial budget in an amount of $417,660 to continue efforts to bring the Monitoring Wells into compliance. On November 19, 2013, the Board approved an agreement for the five-year groundwater sampling/monitoring program with DUDEK, in an amount not to exceed $135,213.

RCCD has worked in conjunction with DTSC, and has reviewed the LUC. The Board of Trustees is now being requested to approve the attached Land Use Covenant (LUC). From this point forward, Norco College will be responsible for maintaining and implementing the requirements of this on-going LUC.

Prepared By: Irving Hendrick, Interim President, Norco College
Beth Gomez, Vice President, Business Services (Norco)
Chris Carlson, Chief of Staff & Facilities Development
Bart Doering, Facilities Development Director

Attachments:

Land Use Covenant

Gerke, Cath

From: Doering, Bart
Sent: Friday, February 12, 2016 3:25 PM
To: Gerke, Cathy
Subject: FW: DTSC LUC for Norco College.

FYI

Bart Doering | Facilities Development Director
Facilities Planning and Development
1500 E. Alessandro Blvd | Riverside, CA 92508 | (951)222-8962

RCCD | RIVERSIDE COMMUNITY COLLEGE DISTRICT

NORCO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

Celebrating a CENTURY of EXCELLENCE

om: Simmons, Michael
nt: Friday, February 12, 2016 12:23 PM
Doering, Bart <Bart.Doering@rccd.edu>
Carlson, Chris <Chris.Carlson@rccd.edu>
bject: RE: DTSC LUC for Norco College.

t:

not really my area of expertise but I can say from a strictly contractual perspective that the document is appropriate
ignature. I have no recommended changes at this time.

iel W. Simmons, MAOM, CSRM
or, Risk Management, Safety & Police
ide Community College District
Spruce St, 3rd Floor
de, CA 92507
22-8128 - Office
06-8605 - Cell
28-3502 - FAX
.simmons@rccd.edu

ring, Bart
y, February 12, 2016 11:18 AM
ns, Michael <Michael.Simmons@rccd.edu>
. Chris <Chris.Carlson@rccd.edu>
SC LUC for Norco College.

Norco College
2001 Third St
Norco, CA 92860

Inquiry Number: 8124730.4
September 30, 2025

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

09/30/25

Site Name:

Norco College
2001 Third St
Norco, CA 92860
EDR Inquiry # 8124730.4

Client Name:

Terracon
23041 Avenida De La Carlota Ste 350
Laguna Hills, CA 92653
Contact: Baylie Zemke

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Terracon 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. EDRs 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:

P.O.# NA
Project: CB257022

Coordinates:

Latitude:	33.916356 33° 54' 59" North
Longitude:	-117.568947 -117° 34' 8" West
UTM Zone:	Zone 11 North
UTM X Meters:	447407.21
UTM Y Meters:	3753027.46
Elevation:	624.73' above sea level

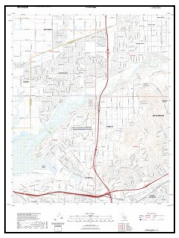
Maps Provided:

2022	1954
2018	1947
2015	1942
2012	1902
1981	
1975	
1973	
1967	

Topo Sheet Key

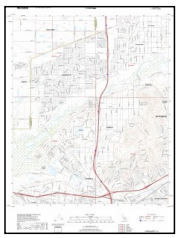
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



Corona North
2022
7.5-minute, 24000

2018 Source Sheets

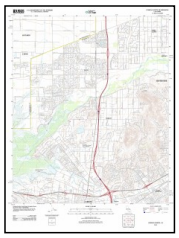


Corona North
2018
7.5-minute, 24000

2015 Source Sheets

Corona North
2015
7.5-minute, 24000

2012 Source Sheets

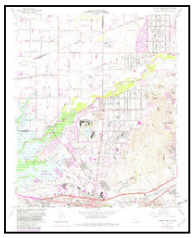


Corona North
2012
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1981 Source Sheets



Corona North
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1975 Source Sheets

Corona North
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1973 Source Sheets

Corona North
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets

Corona North
1967
7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

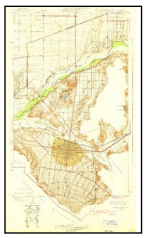
1954 Source Sheets

Corona North
1954
7.5-minute, 24000
Aerial Photo Revised 1952

1947 Source Sheets

CORONA
1947
15-minute, 50000

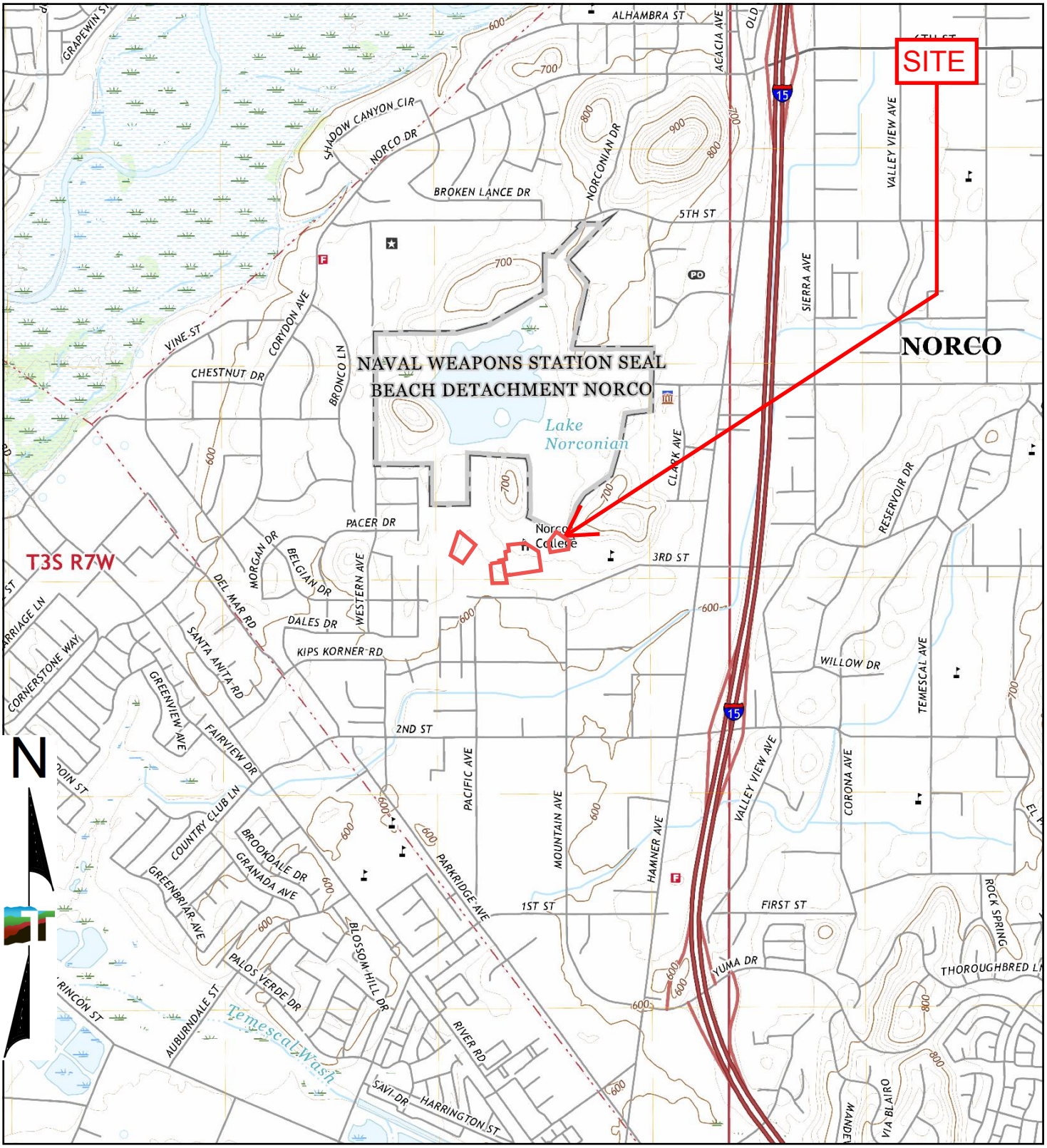
1942 Source Sheets



Corona and Vicinity
1942
7.5-minute, 31680

1902 Source Sheets

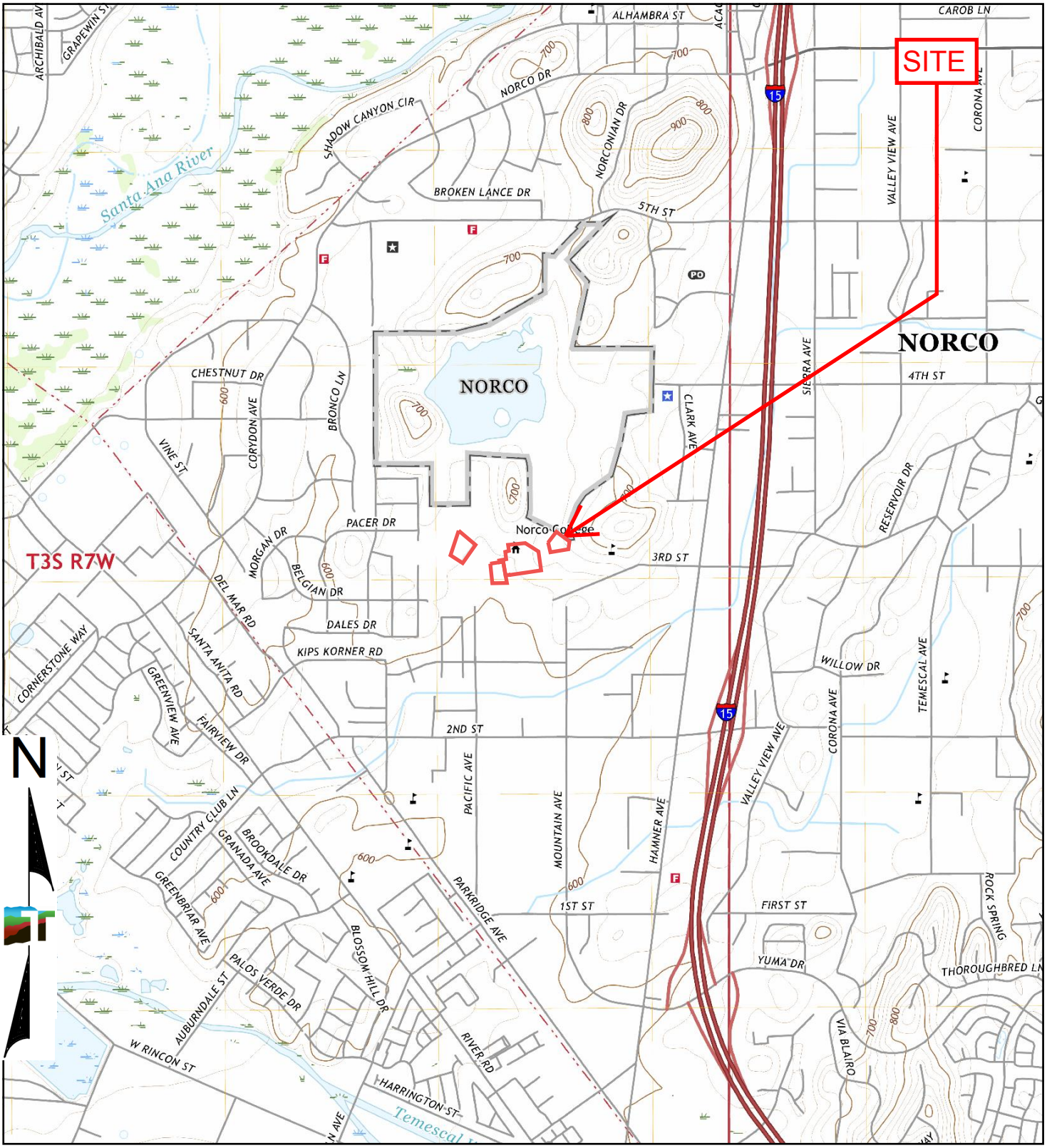
Corona
1902
30-minute, 125000



TP, Corona North, 2022, 7.5-minute

0 Miles 0.25 0.5 1 1.5

Project Manager:	Project No.	Terracon	2022 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 2022		



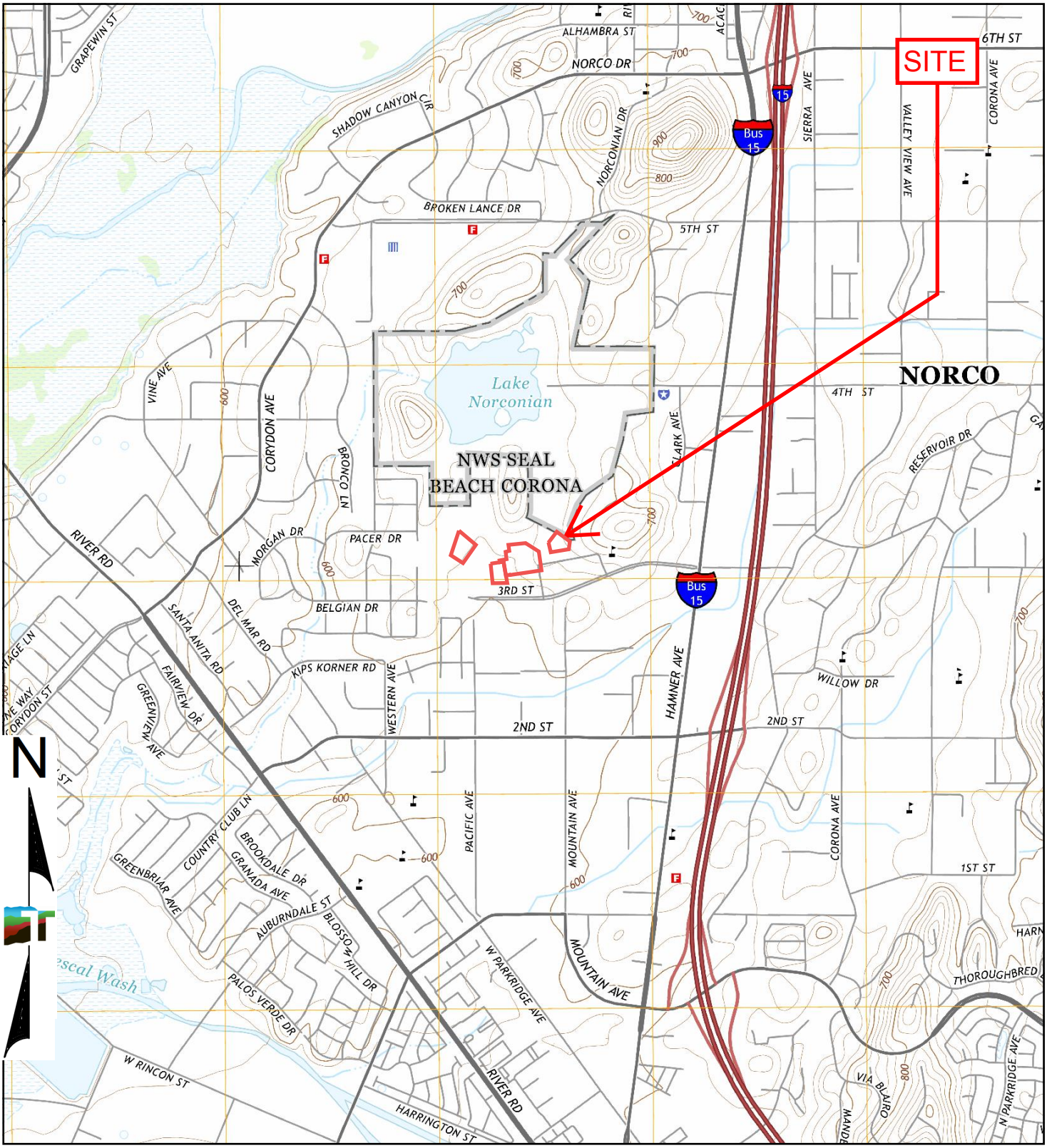
TP, Corona North, 2018, 7.5-minute

0 Miles 0.25 0.5 1 1.5

Project Manager:	Project No.	Terracon	2018 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 2018		

Topographic Map

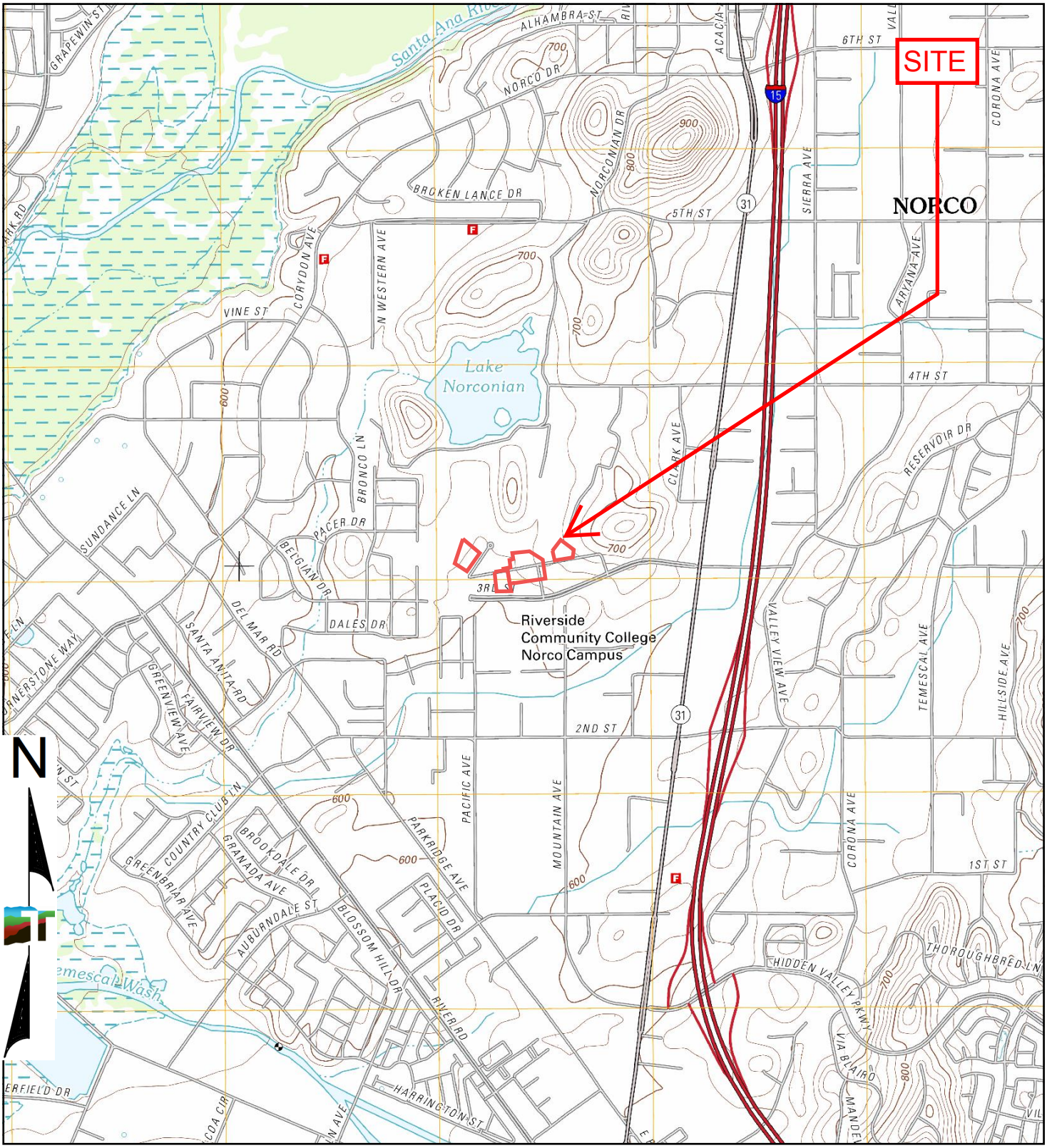
2015



TP, Corona North, 2015, 7.5-minute

0 Miles 0.25 0.5 1 1.5

Project Manager:	Project No.	Terracon	2015 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 2015		



TP, Corona North, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

Project Manager:	Project No.	Terracon	2012 TOPOGRAPHIC MAP
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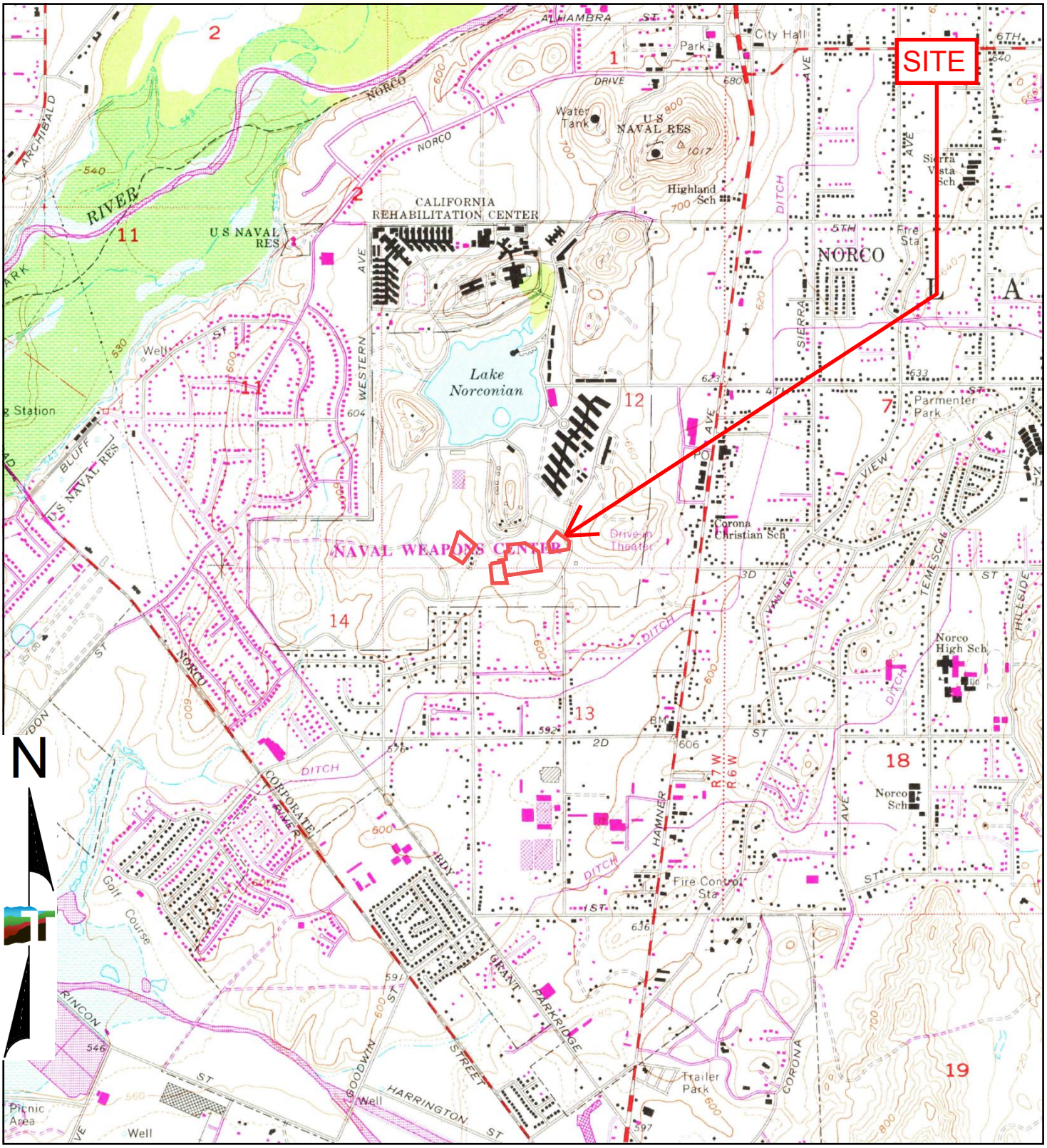
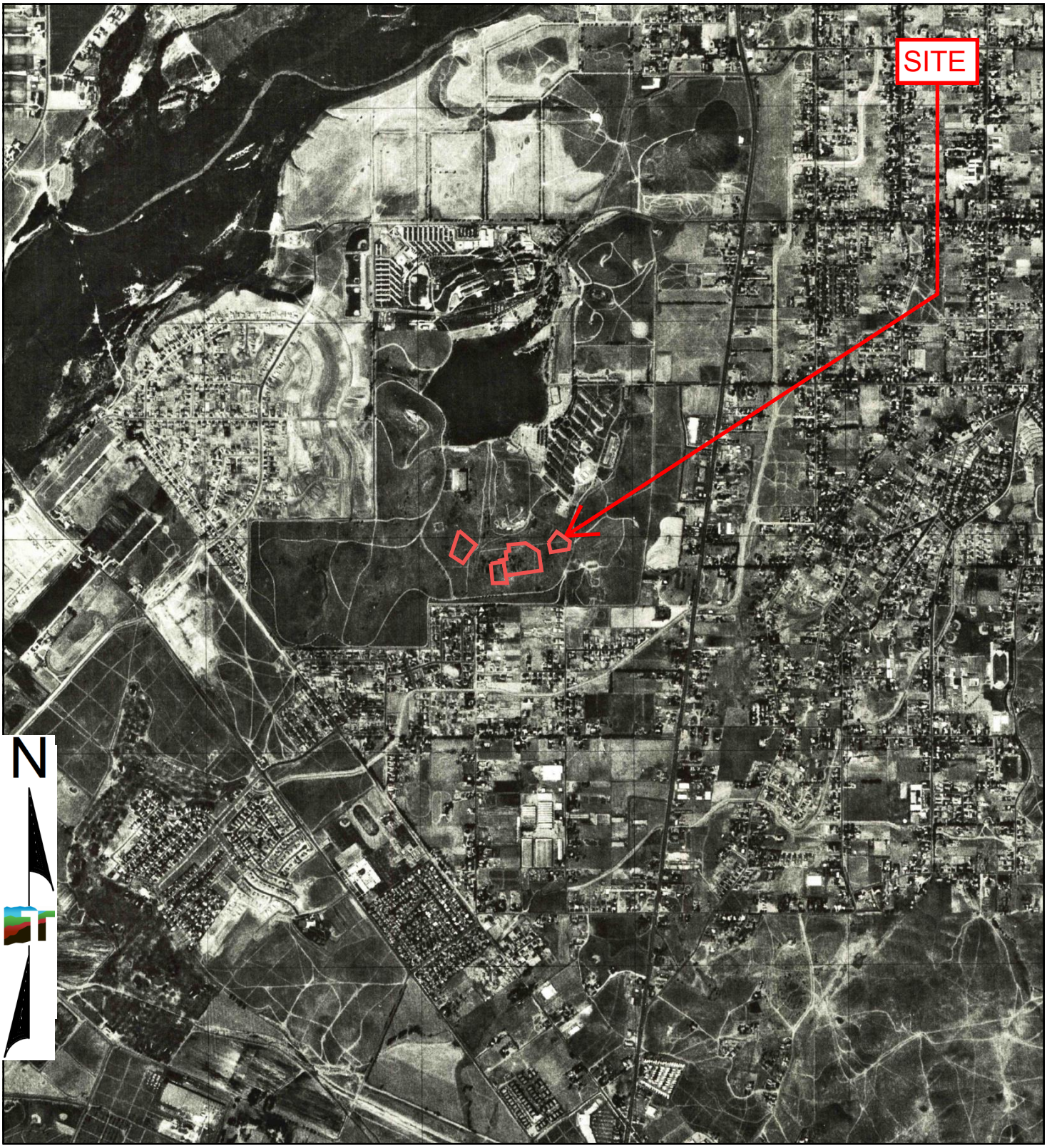
Checked by:	File Name:		
Approved by:	Date: 2012		



TP, Corona North, 1981, 7.5-minute

0 Miles 0.25 0.5 1 1.5

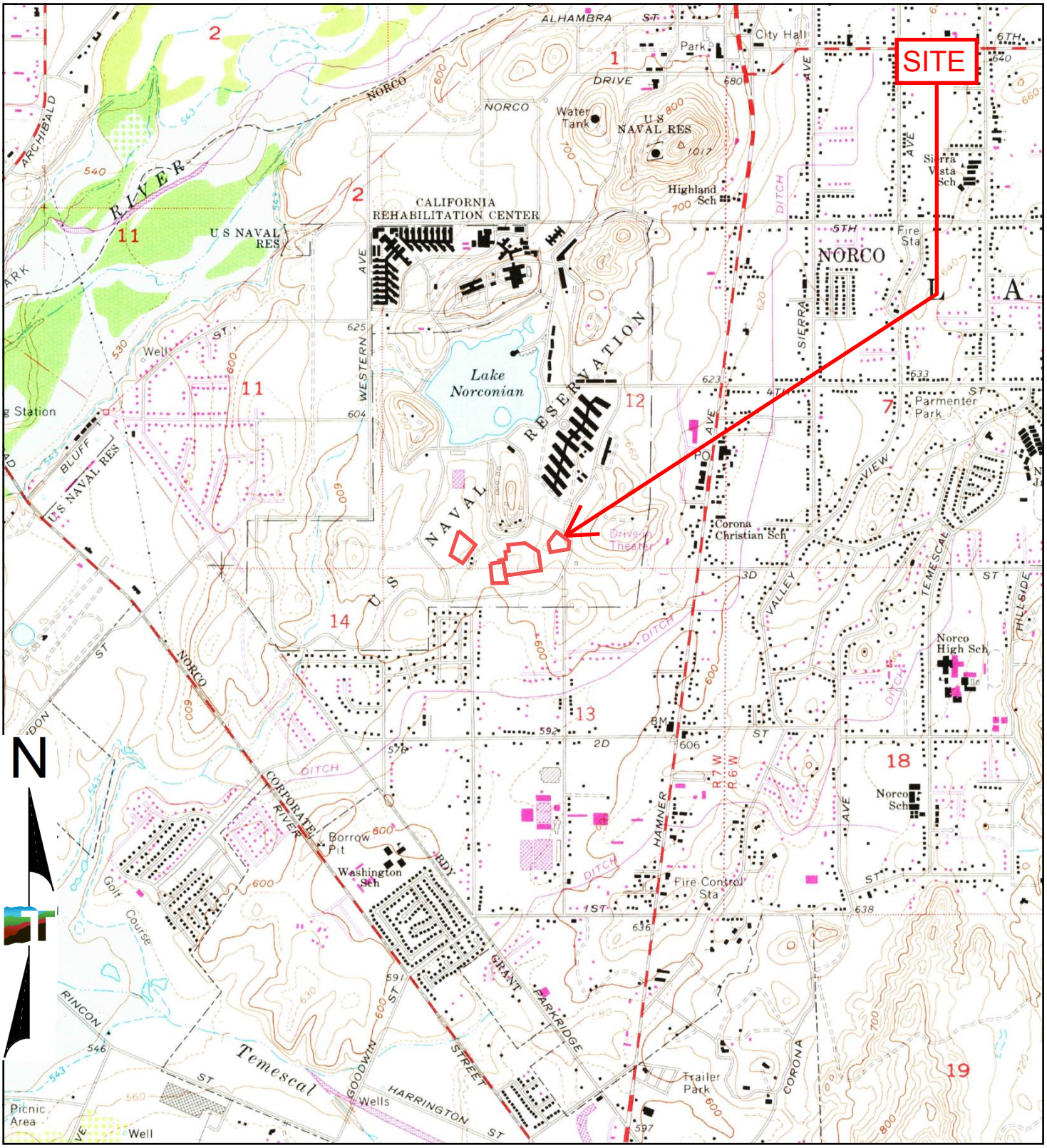
Project Manager:	Project No.	Terracon	1981 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 1981		



TP, Corona North, 1975, 7.5-minute

0 Miles 0.25 0.5 1 1.5

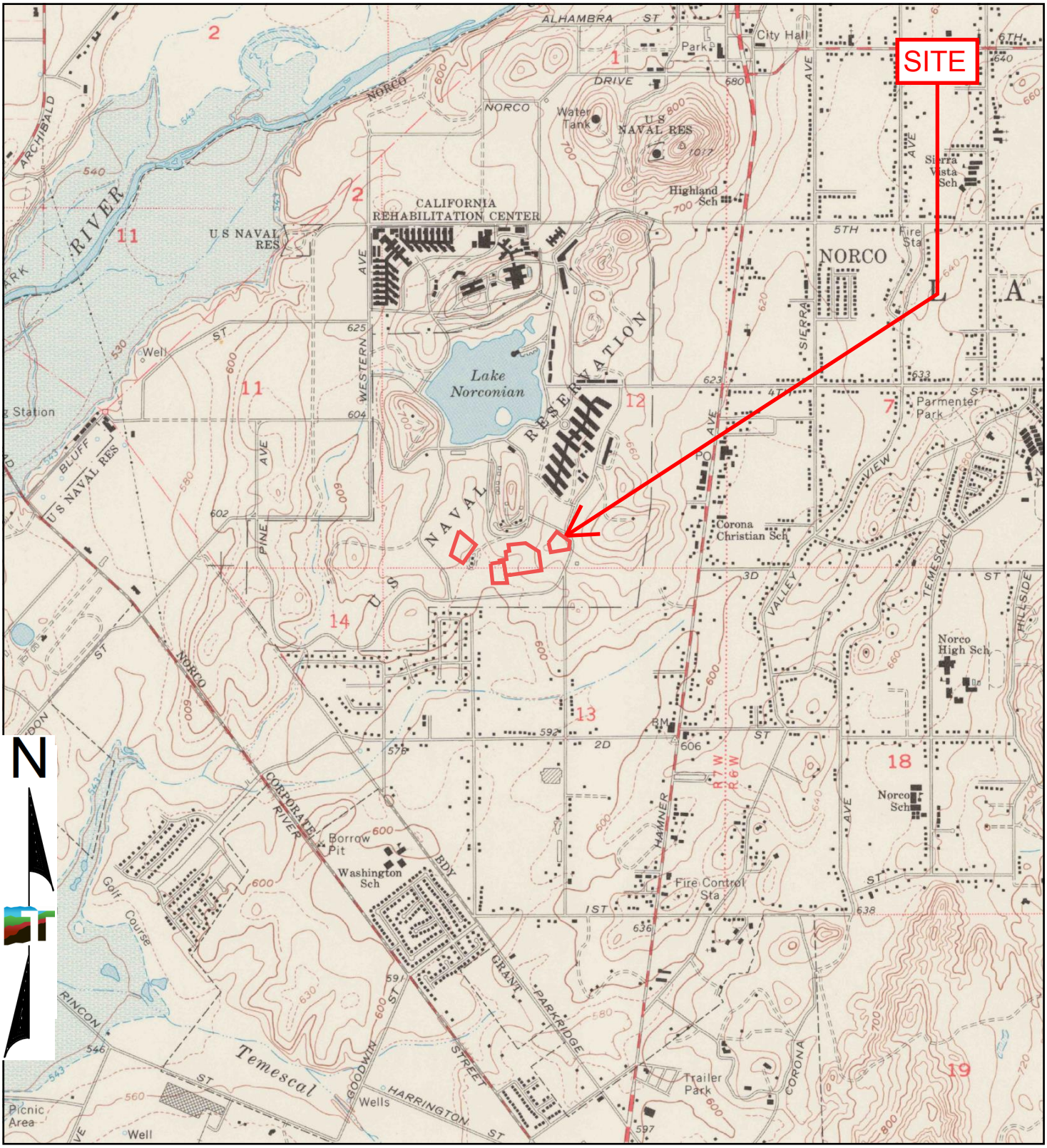
Project Manager:	Project No.	Terracon	1975 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 1975		



TP, Corona North, 1973, 7.5-minute

0 Miles 0.25 0.5 1 1.5

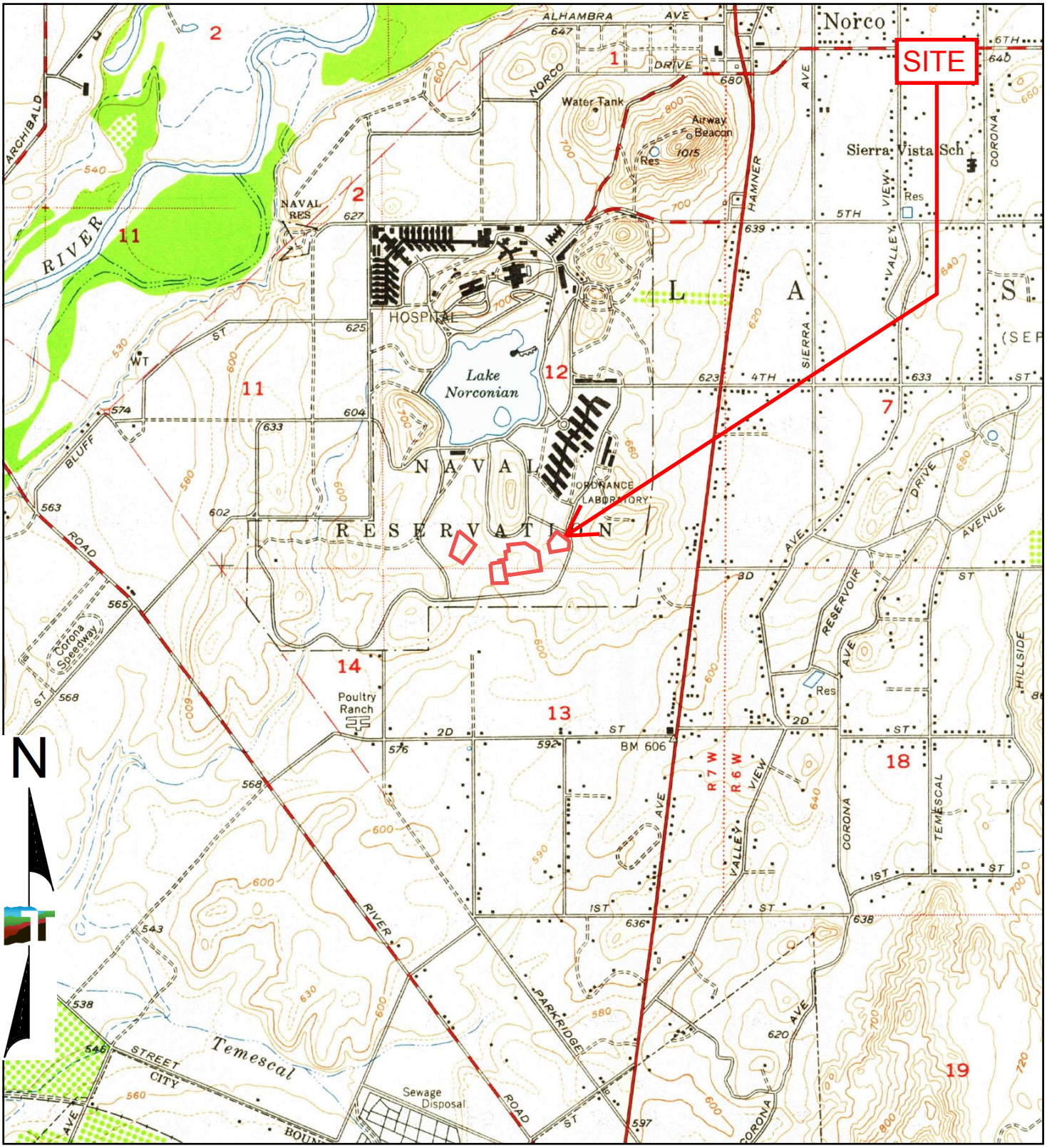
Project Manager:	Project No.	Terracon	1973 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 1973		



TP, Corona North, 1967, 7.5-minute

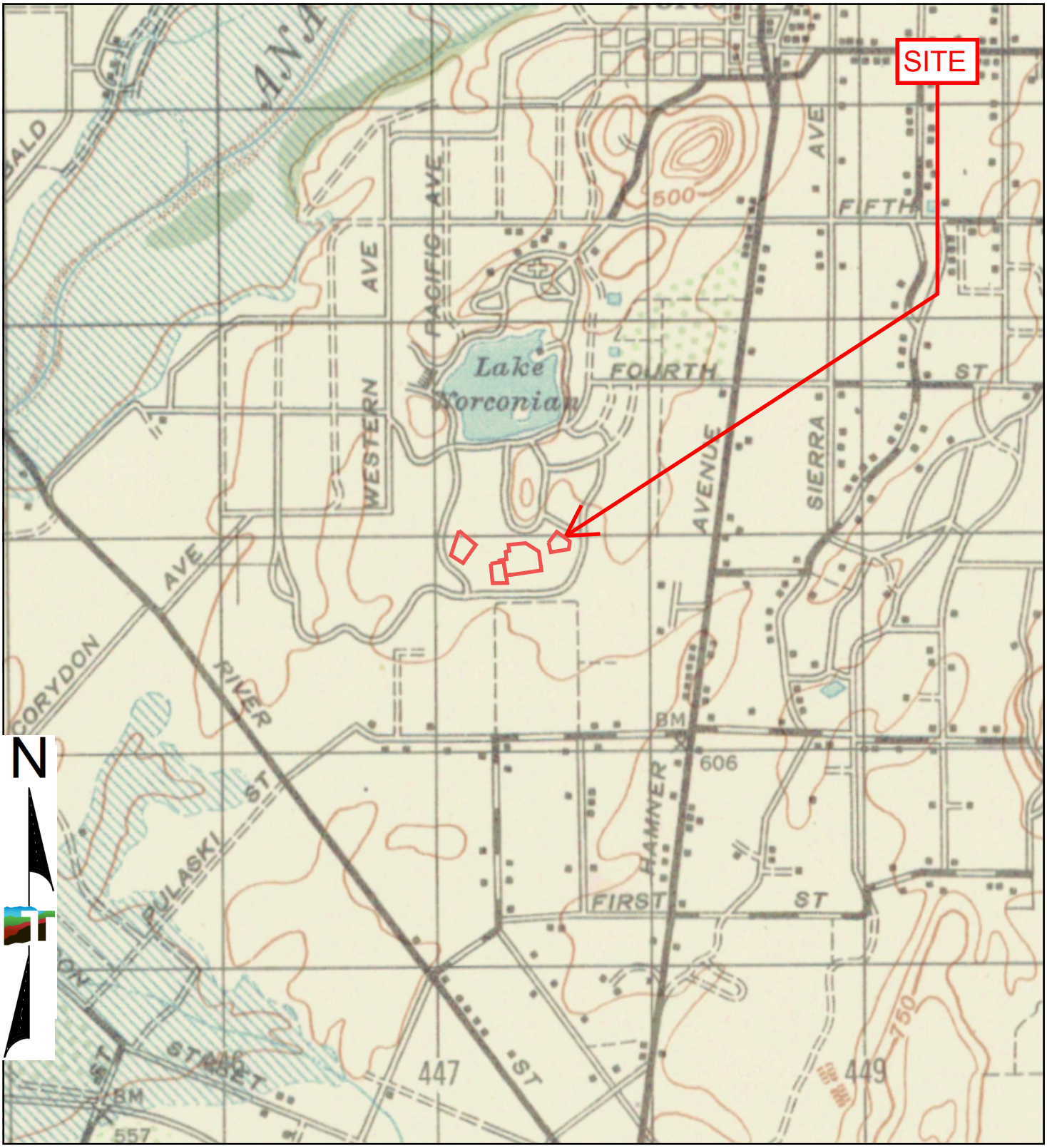
0 Miles 0.25 0.5 1 1.5

Project Manager:	Project No.	Terracon	1967 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 1967		



TP, Corona North, 1954, 7.5-minute

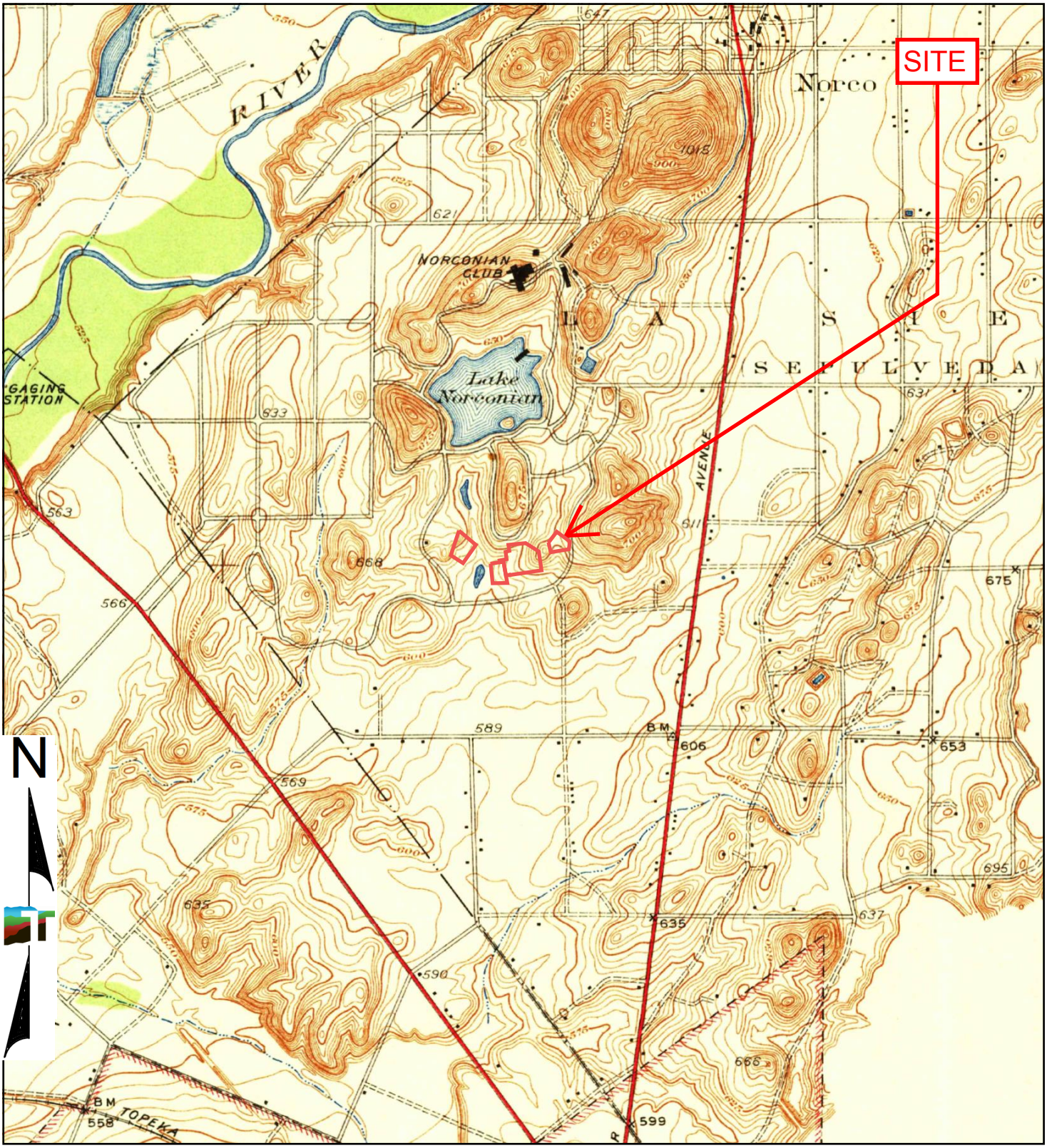
Project Manager:	Project No.	Terracon	1954 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 1954		



TP, CORONA, 1947, 15-minute

0 Miles 0.25 0.5 1 1.5

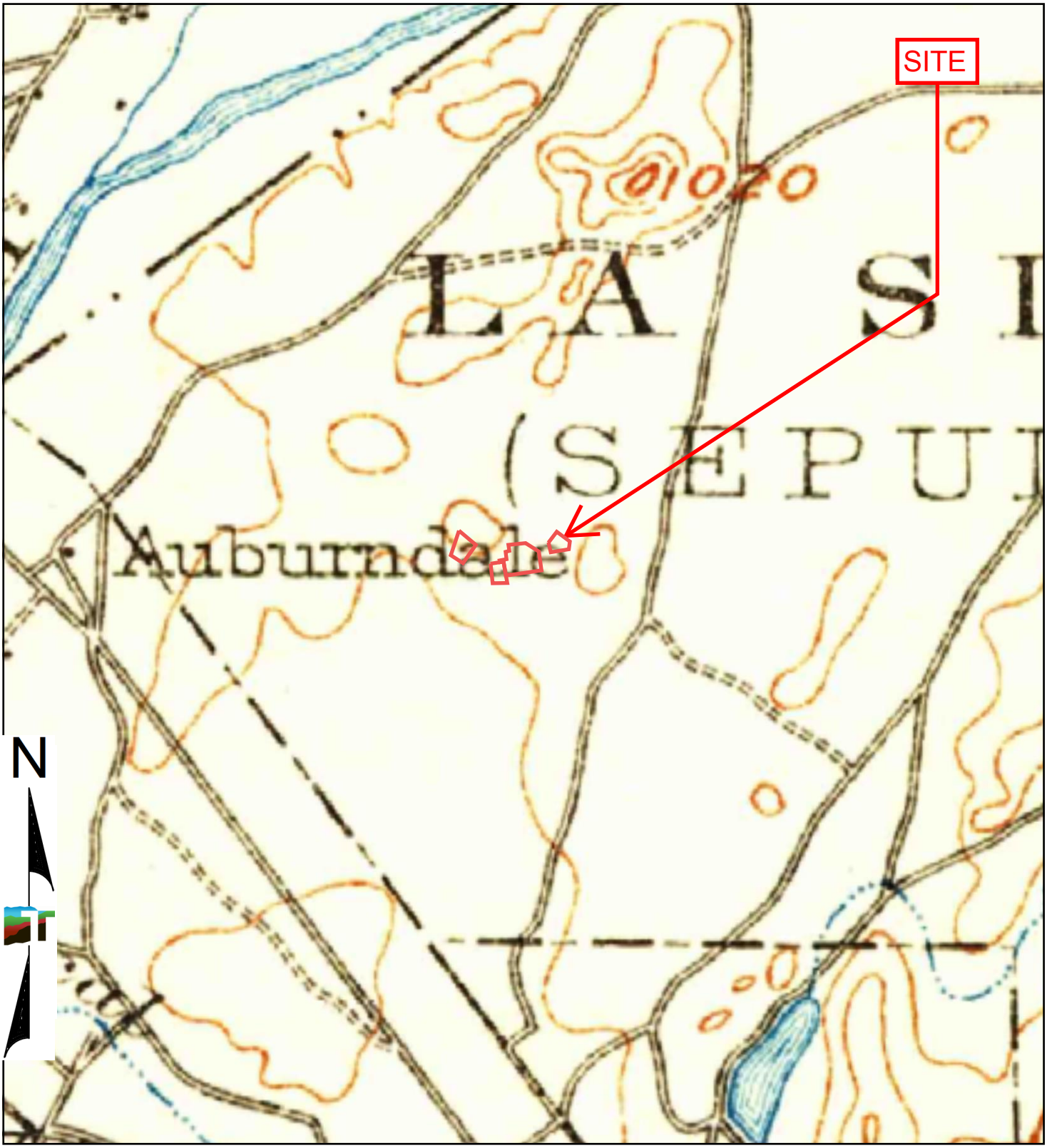
Project Manager:	Project No.	Terracon	1947 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 1947		



TP, Corona and Vicinity, 1942, 7.5-minute

0 Miles 0.25 0.5 1 1.5

Project Manager:	Project No.	Terracon	1942 TOPOGRAPHIC MAP
Drawn by:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked by:	File Name:		
Approved by:	Date: 1942		



TP, Corona, 1902, 30-minute

0 Miles 0.25 0.5 1 1.5

Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1902

Terracon

1902 TOPOGRAPHIC MAP

Norco College LLRC and SS Building
2001 Third Street
Norco, Riverside County, Californa

Norco College

2001 Third St

Norco, CA 92860

Inquiry Number: 8124730.8

September 30, 2025

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

09/30/25

Site Name:

Norco College
2001 Third St
Norco, CA 92860
EDR Inquiry # 8124730.8

Client Name:

Terracon
23041 Avenida De La Carlota Ste 350
Laguna Hills, CA 92653
Contact: Baylie Zemke

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:

Year	*Scale*	*Details*	*Source*
2022	1"=500'	Flight Year: 2022	USDA/NAIP
2018	1"=500'	Flight Year: 2018	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Flight Year: 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: August 29, 1990	USDA
1989	1"=500'	Flight Date: August 03, 1989	USDA
1985	1"=500'	Flight Date: September 13, 1985	USDA
1974	1"=500'	Flight Date: November 06, 1974	USGS
1967	1"=500'	Flight Date: May 15, 1967	USDA
1959	1"=500'	Flight Date: October 16, 1959	USDA
1953	1"=500'	Flight Date: February 02, 1953	USDA
1948	1"=500'	Flight Date: July 20, 1948	USGS
1938	1"=500'	Flight Date: June 14, 1938	USDA
1931	1"=500'	Flight Date: September 18, 1931	FAIR

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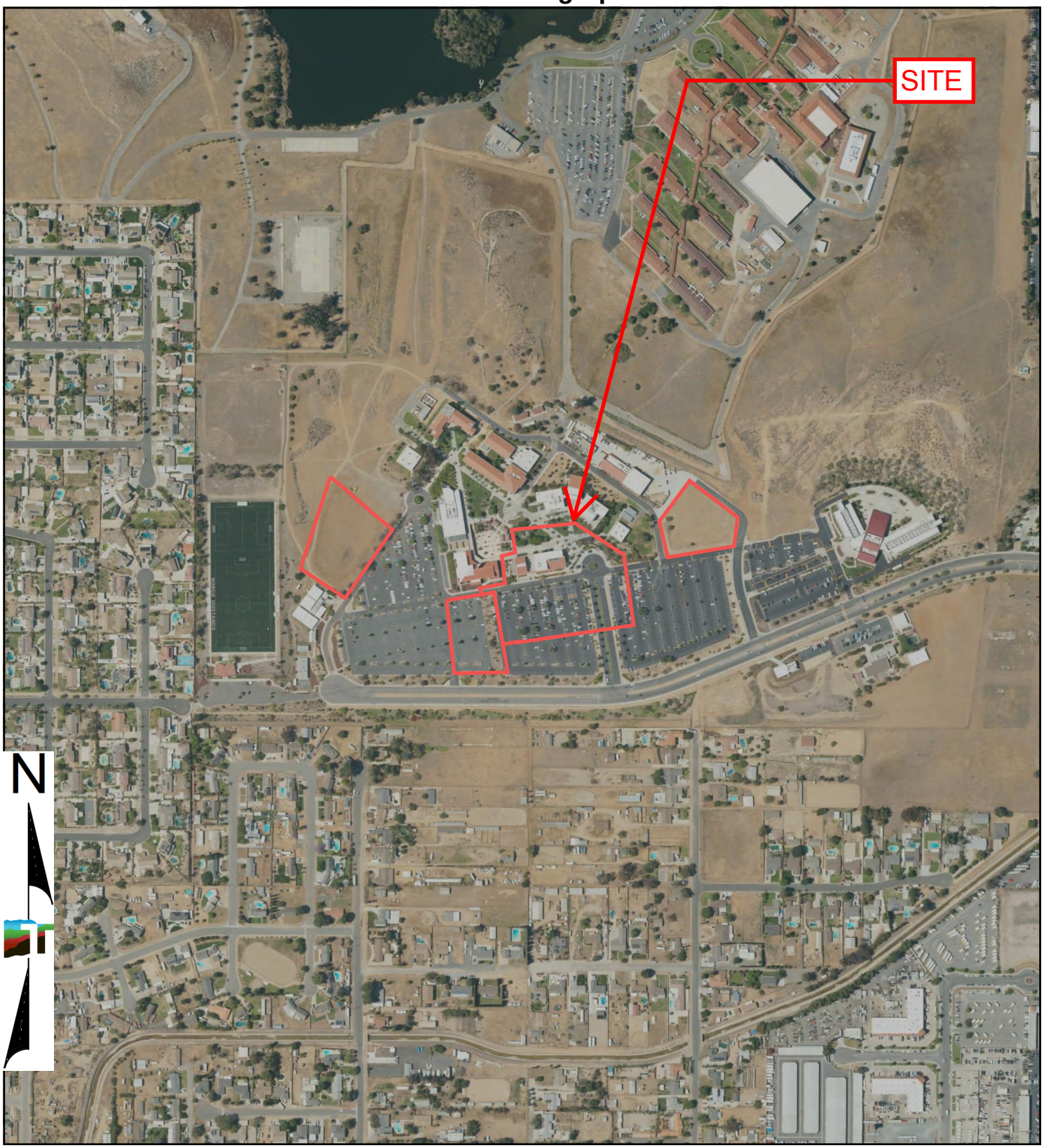
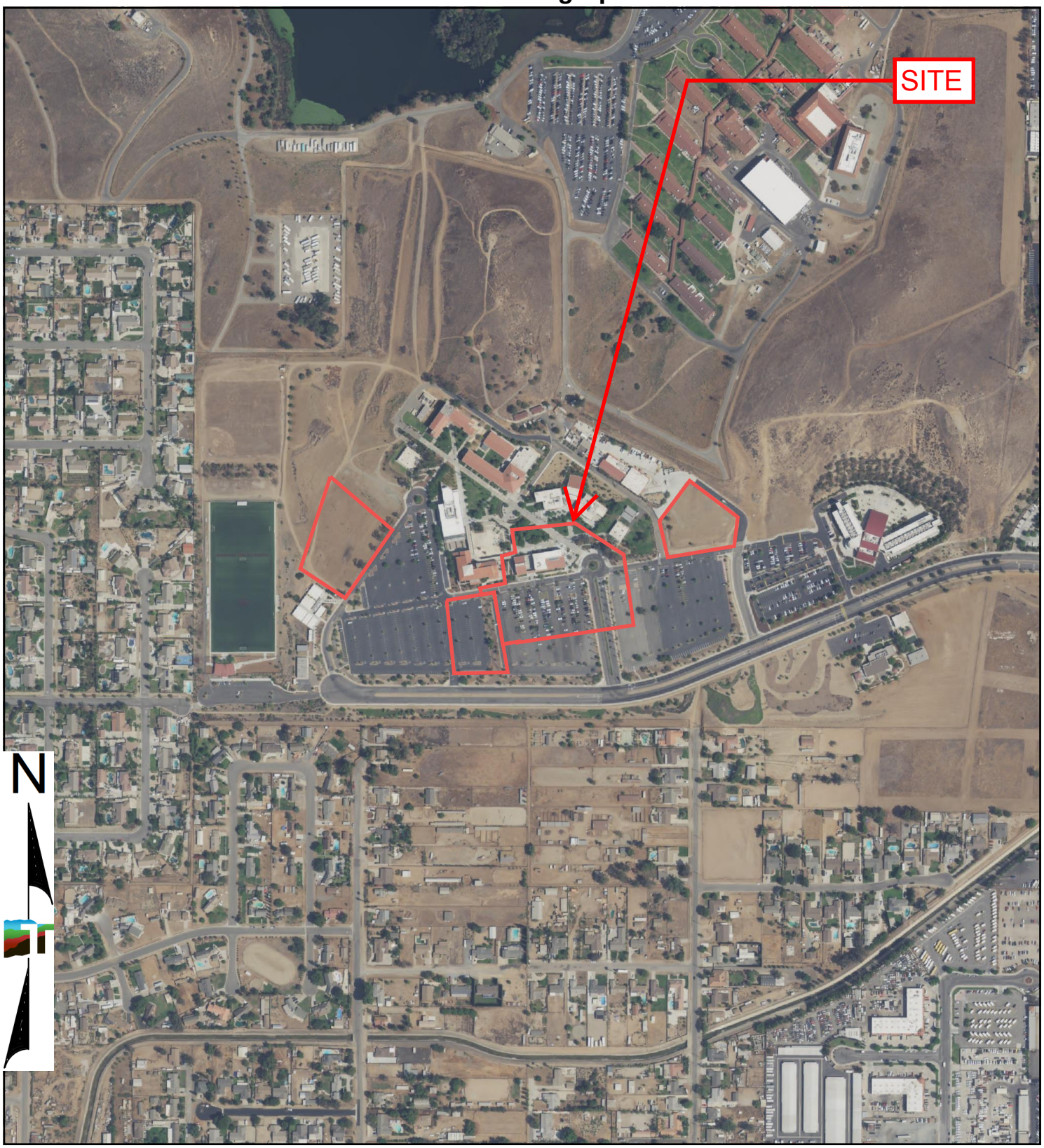
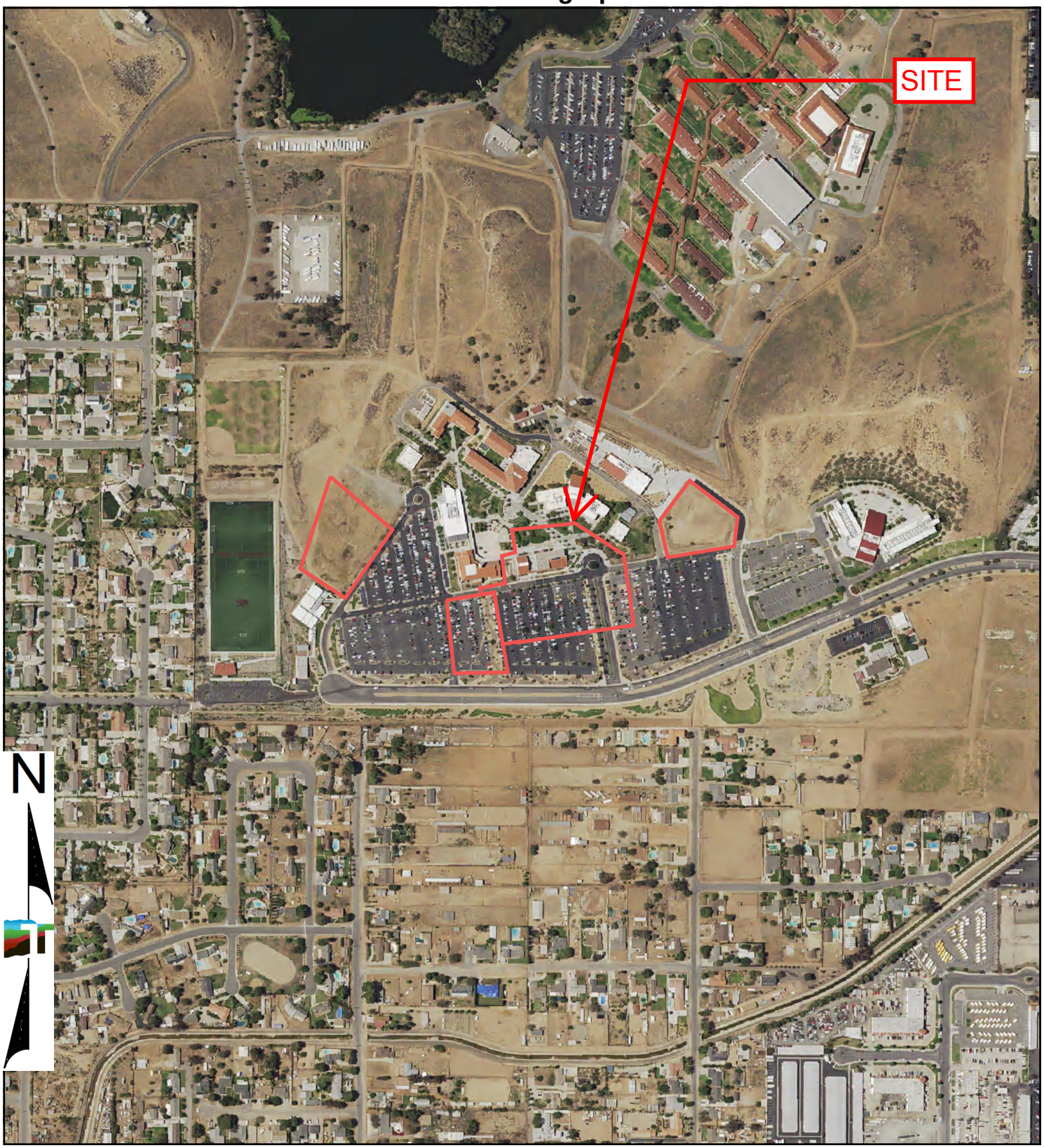


Project Manager:	Project No:	Terracon	2022 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 2022		



0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	2018 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 2018		



0 Feet 500 1000 2000

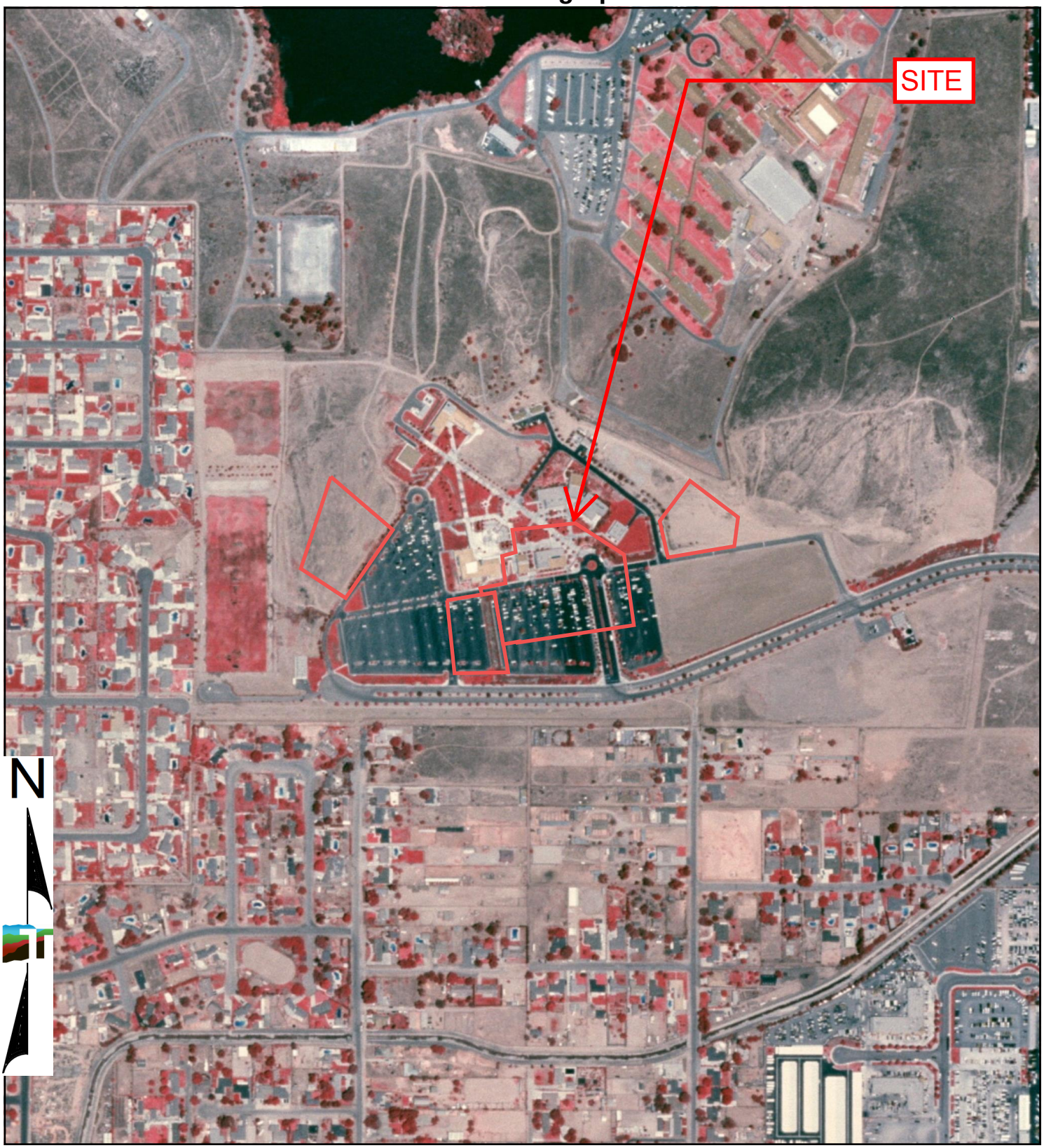
Project Manager:	Project No:	Terracon	2014 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 2014		

0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	2010 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 2010		

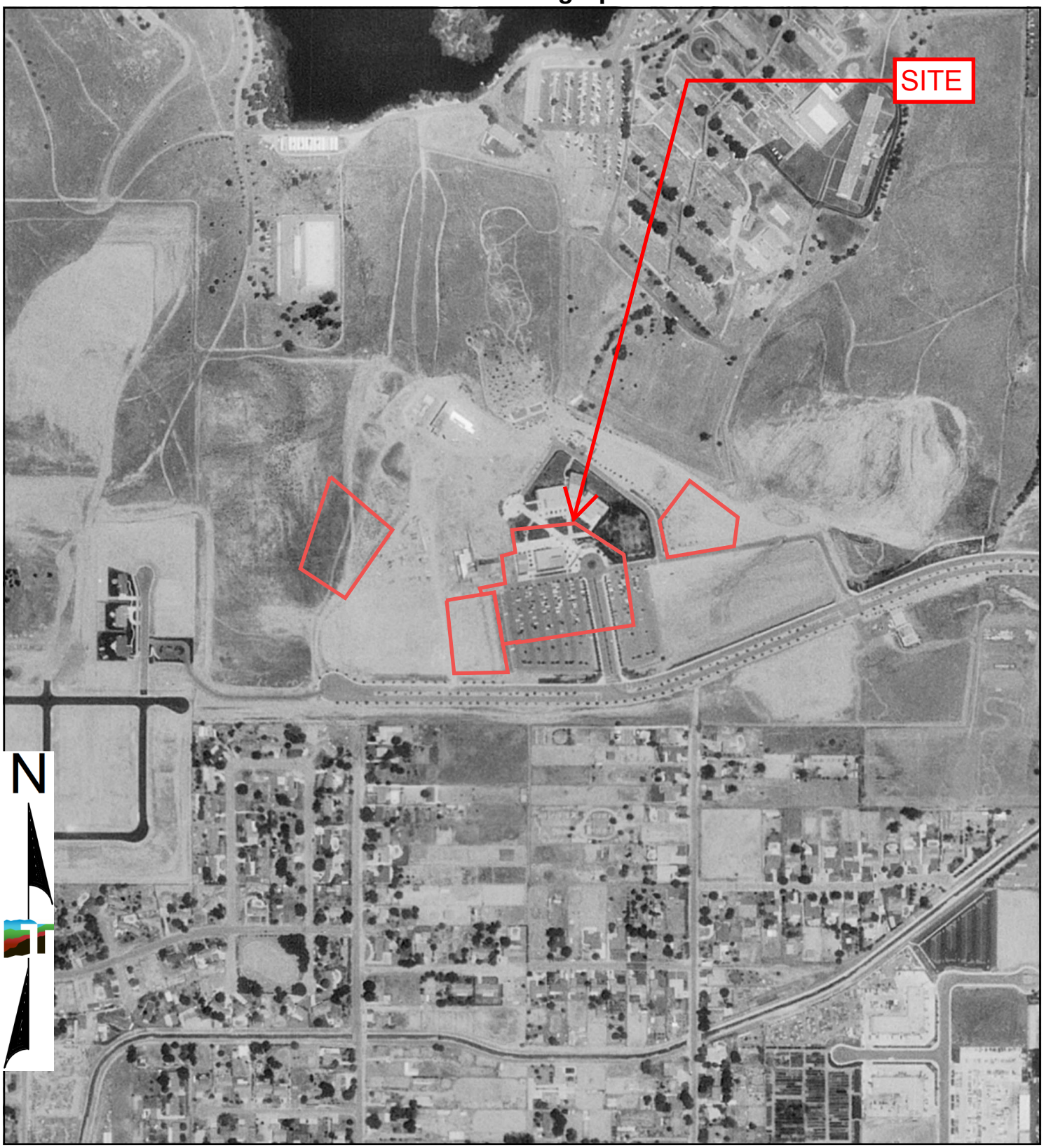
0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	2006 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 2006		



0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	2002 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 2002		



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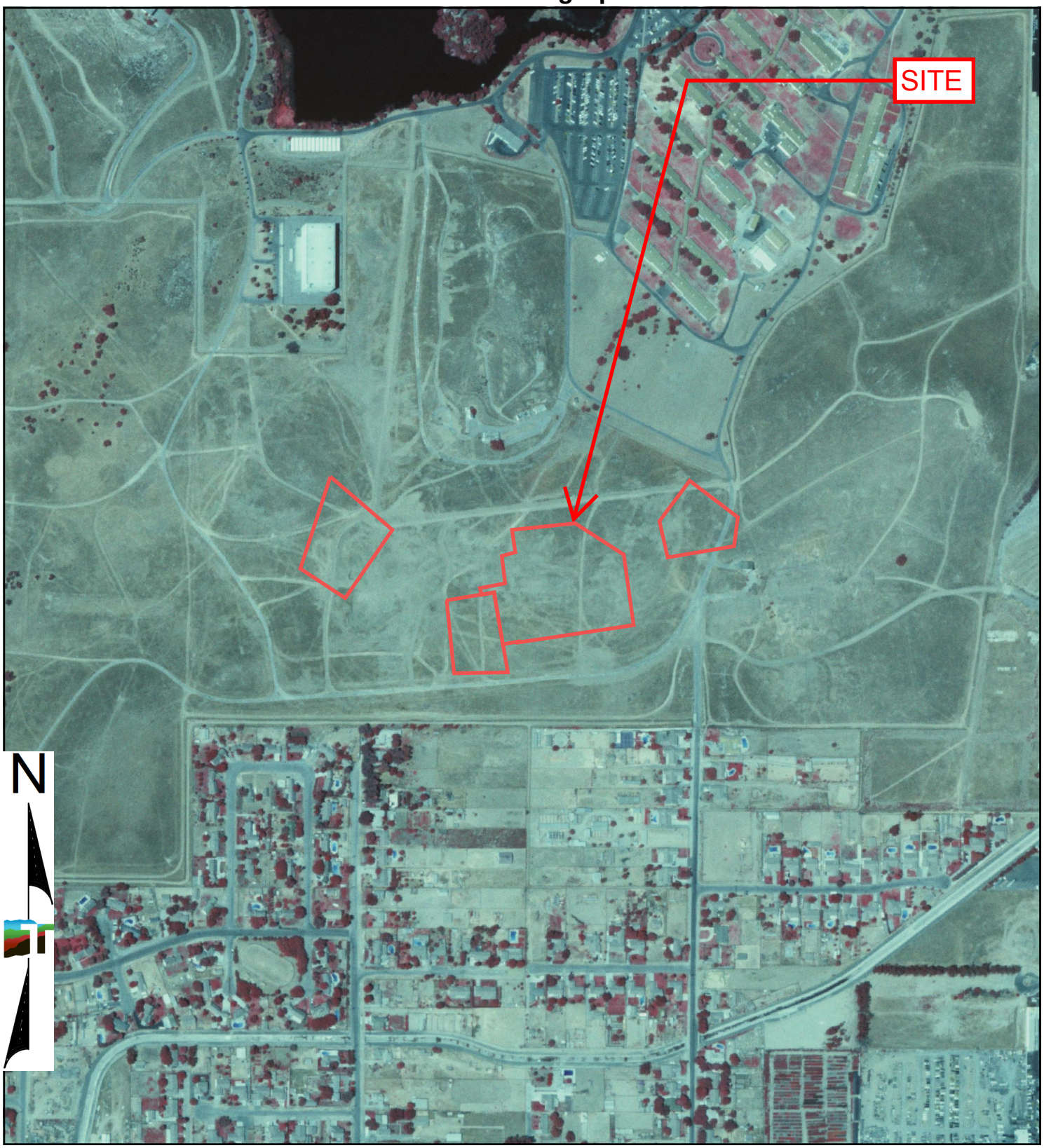
Project Manager:	Project No:	Terracon	1994 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1994		

0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1990 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1990		

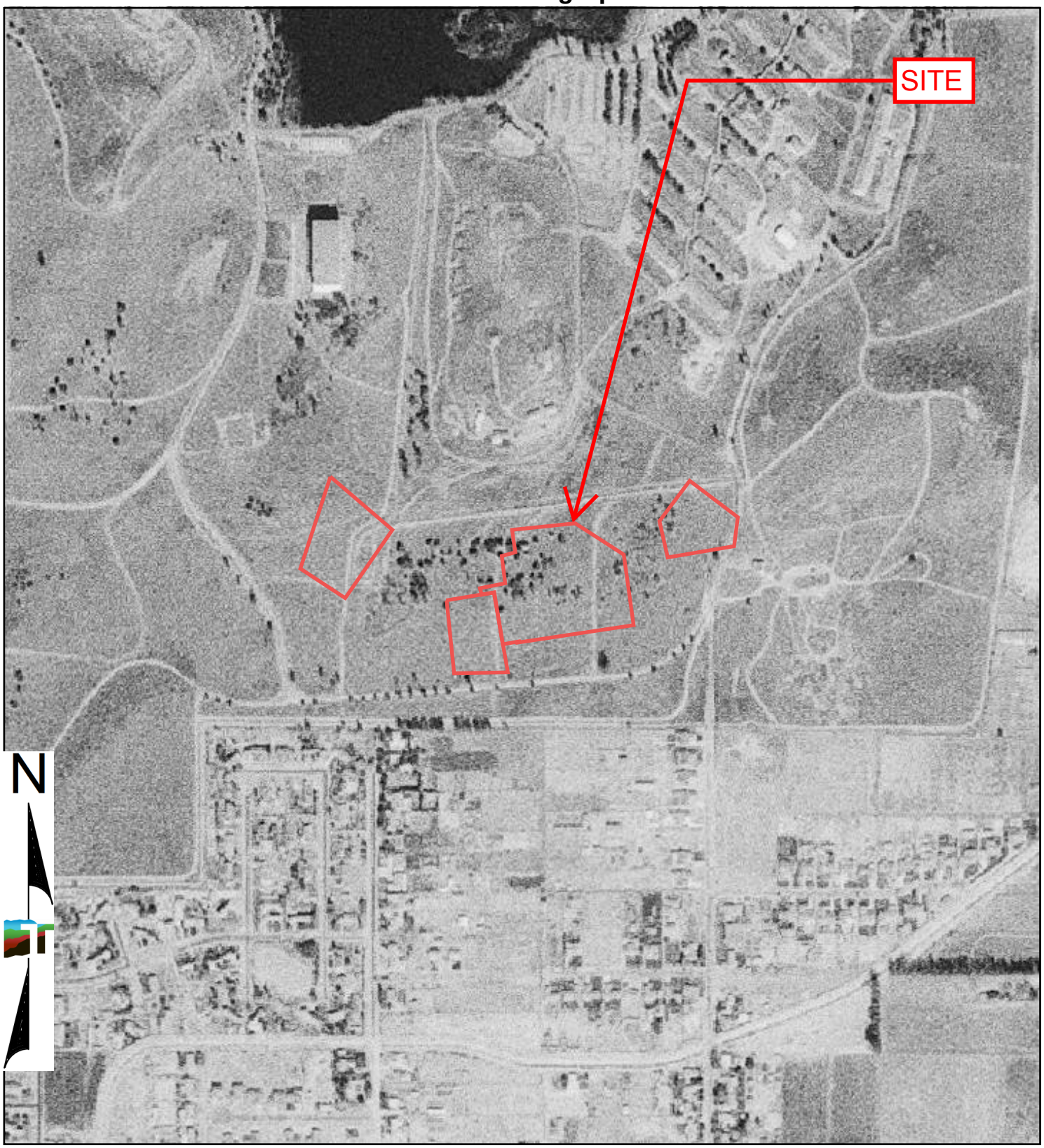


0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1989 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1989		

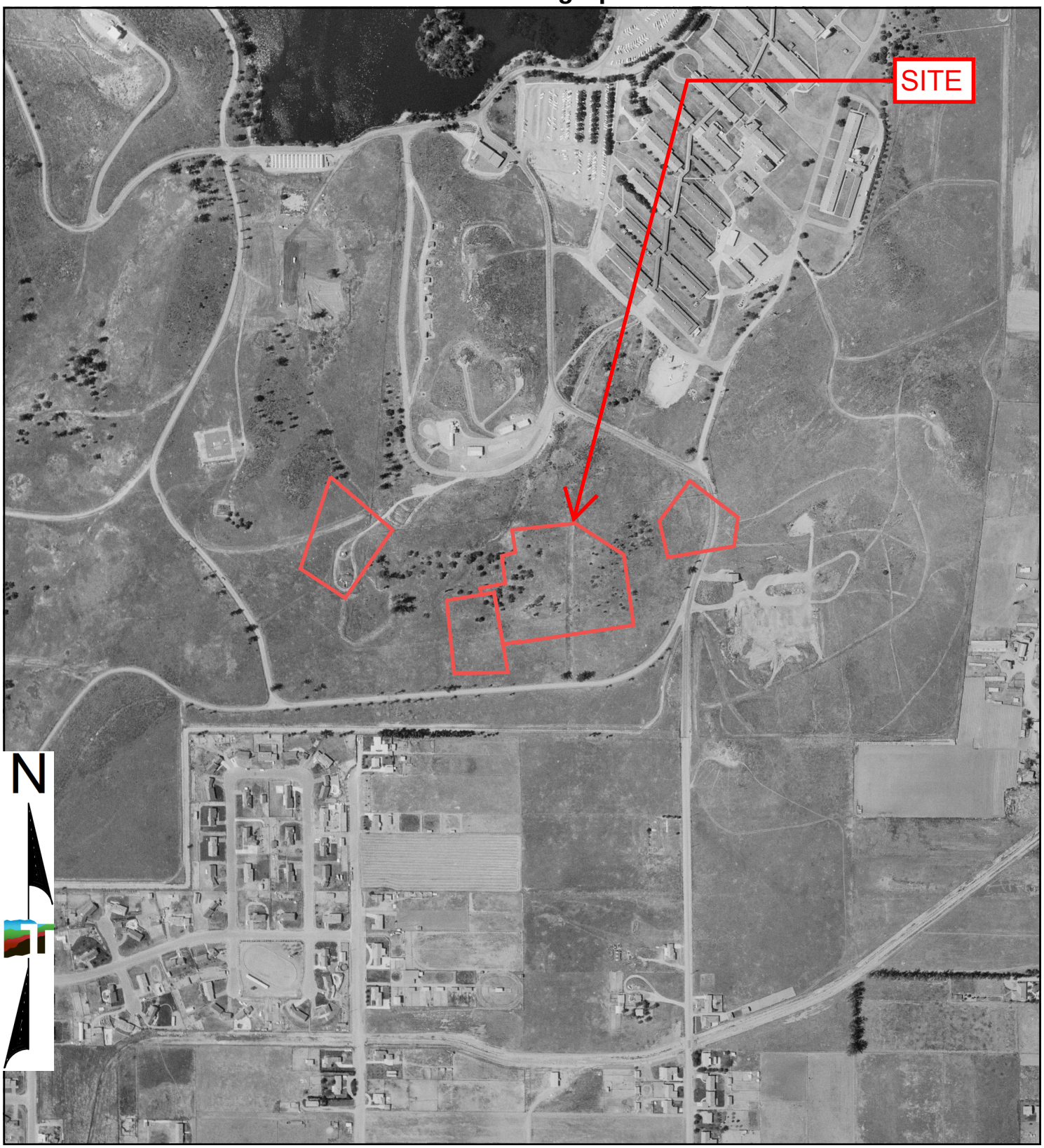
0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1985 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1985		



0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1974 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1974		



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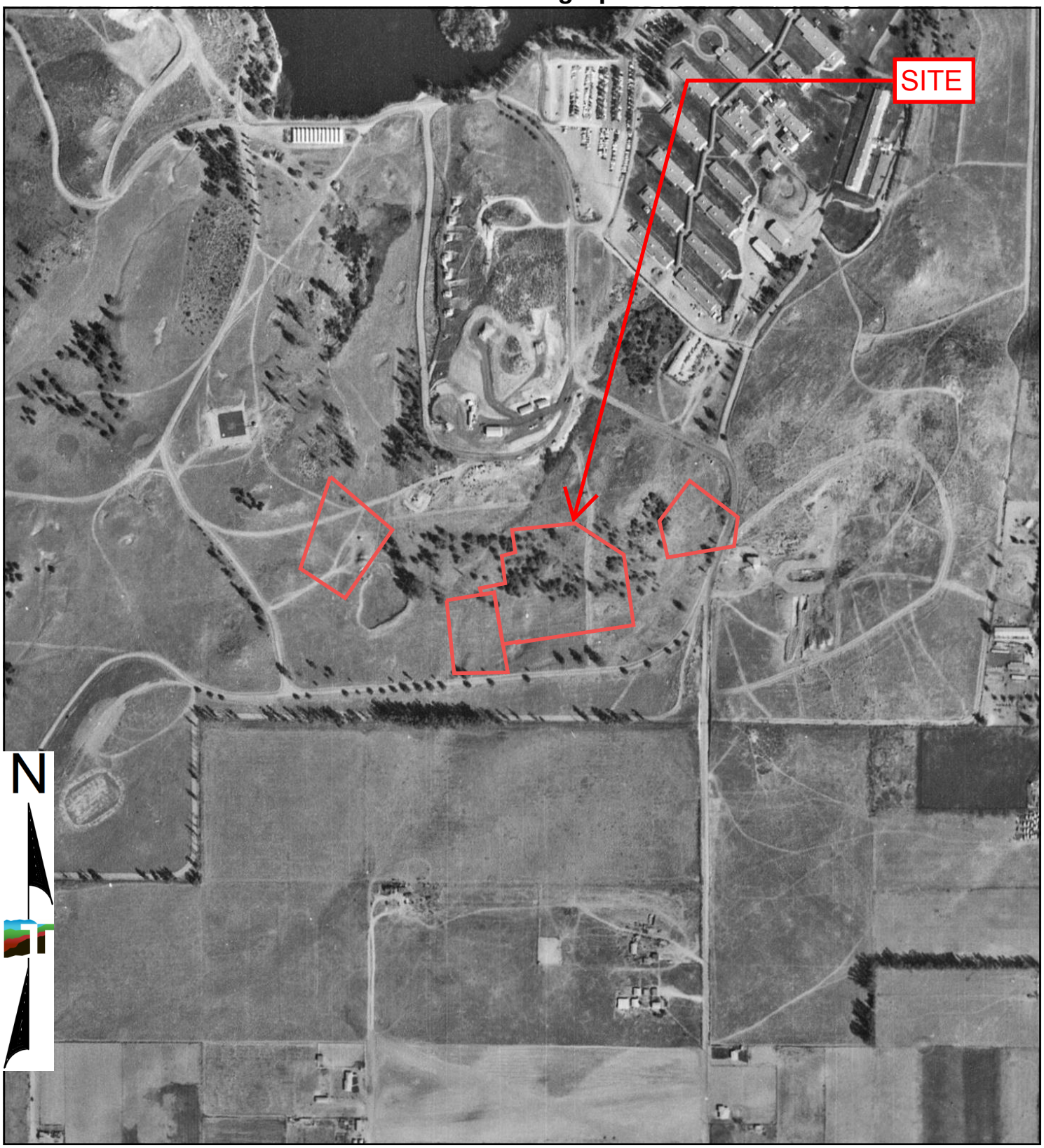
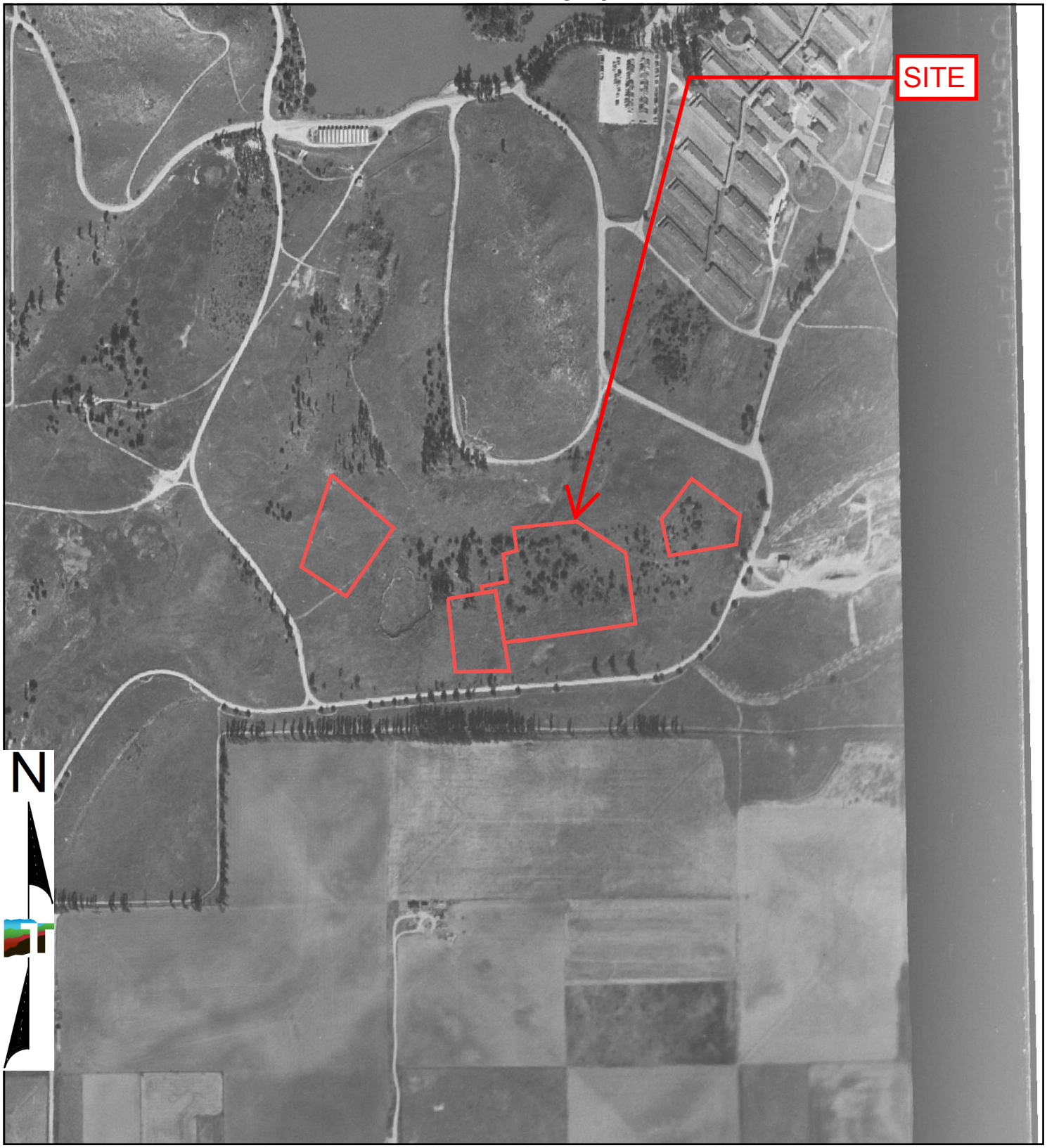
Project Manager:	Project No:	Terracon	1967 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1967		



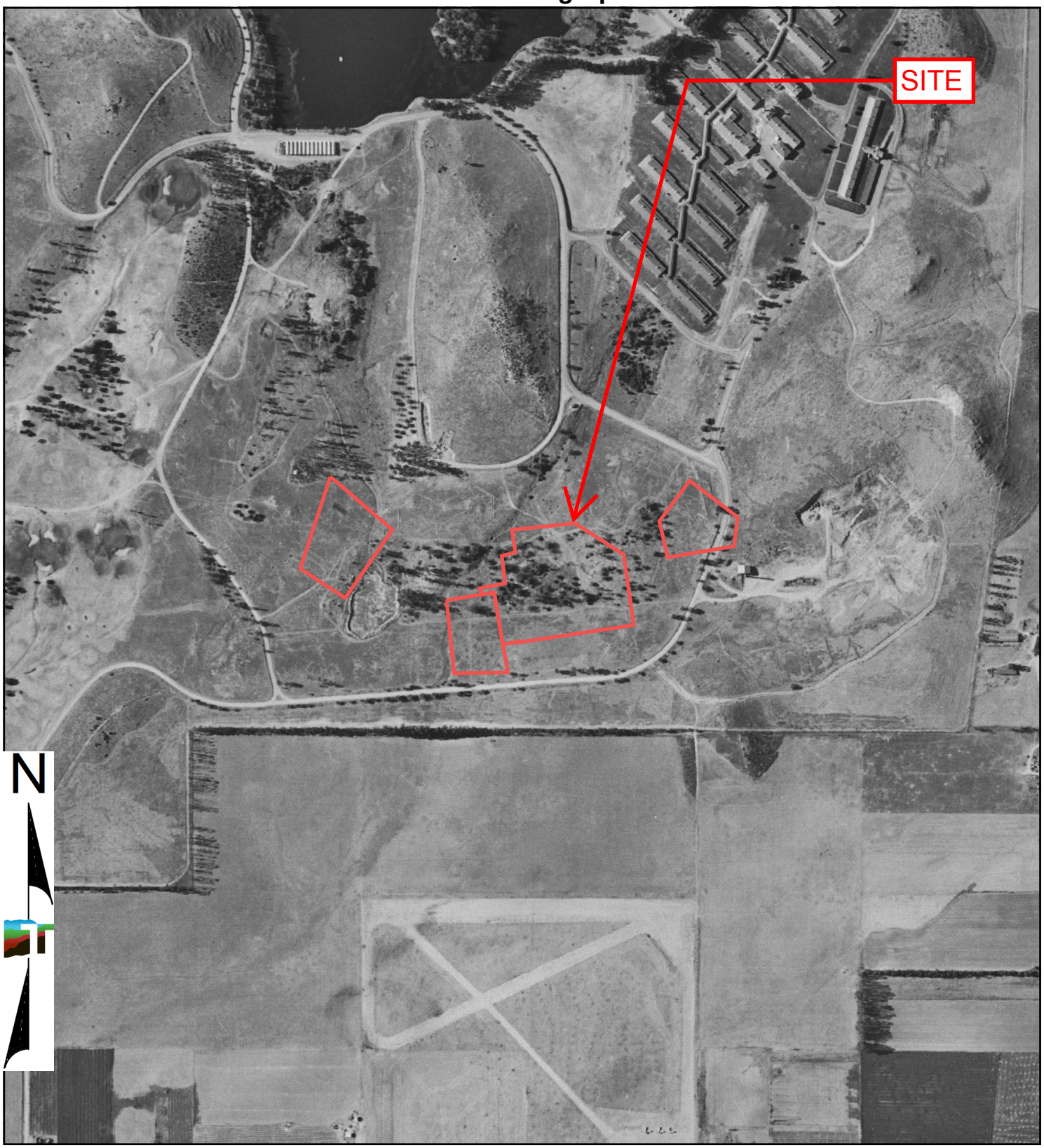
0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1959 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1959		



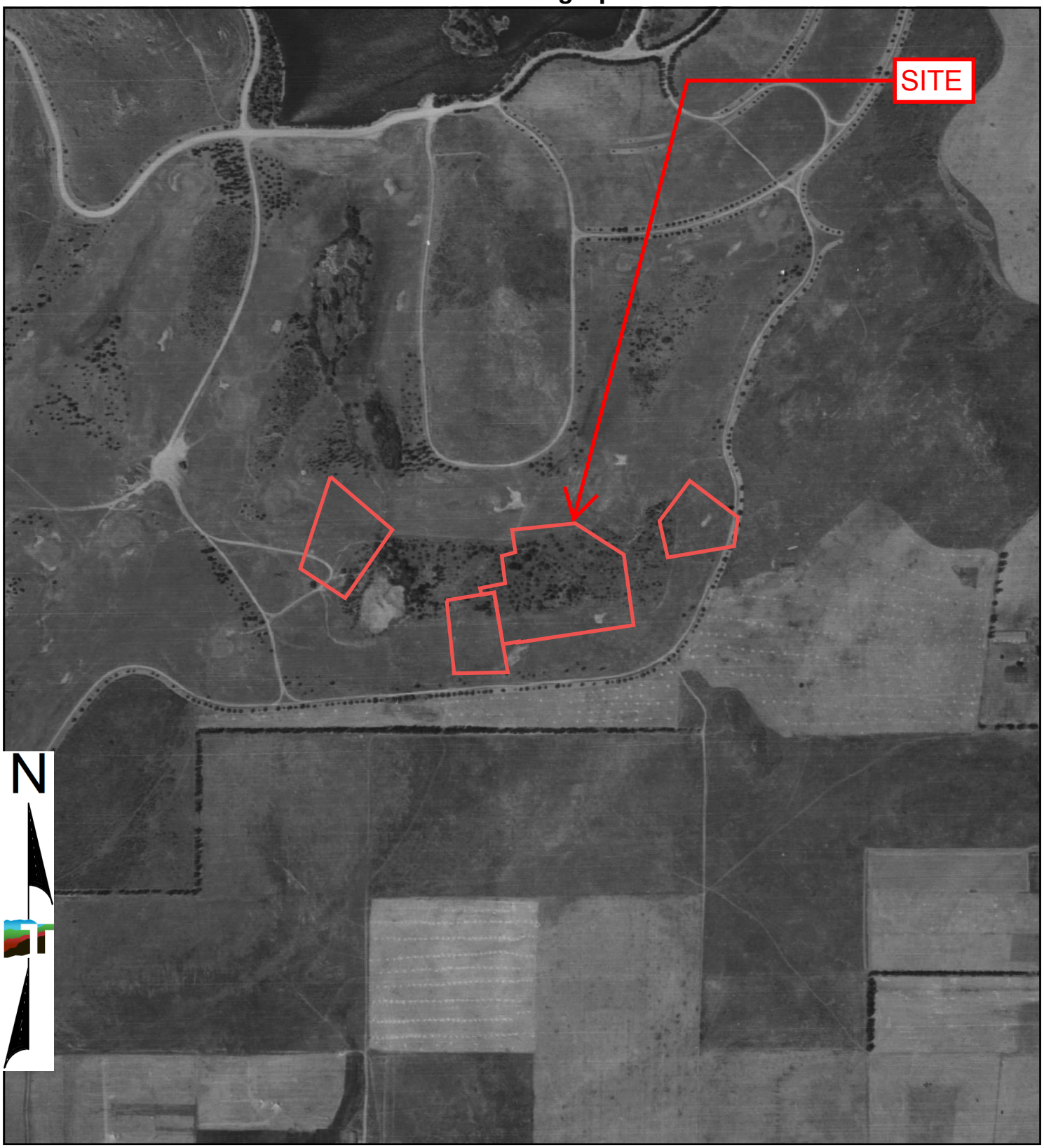
0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1953 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1953		



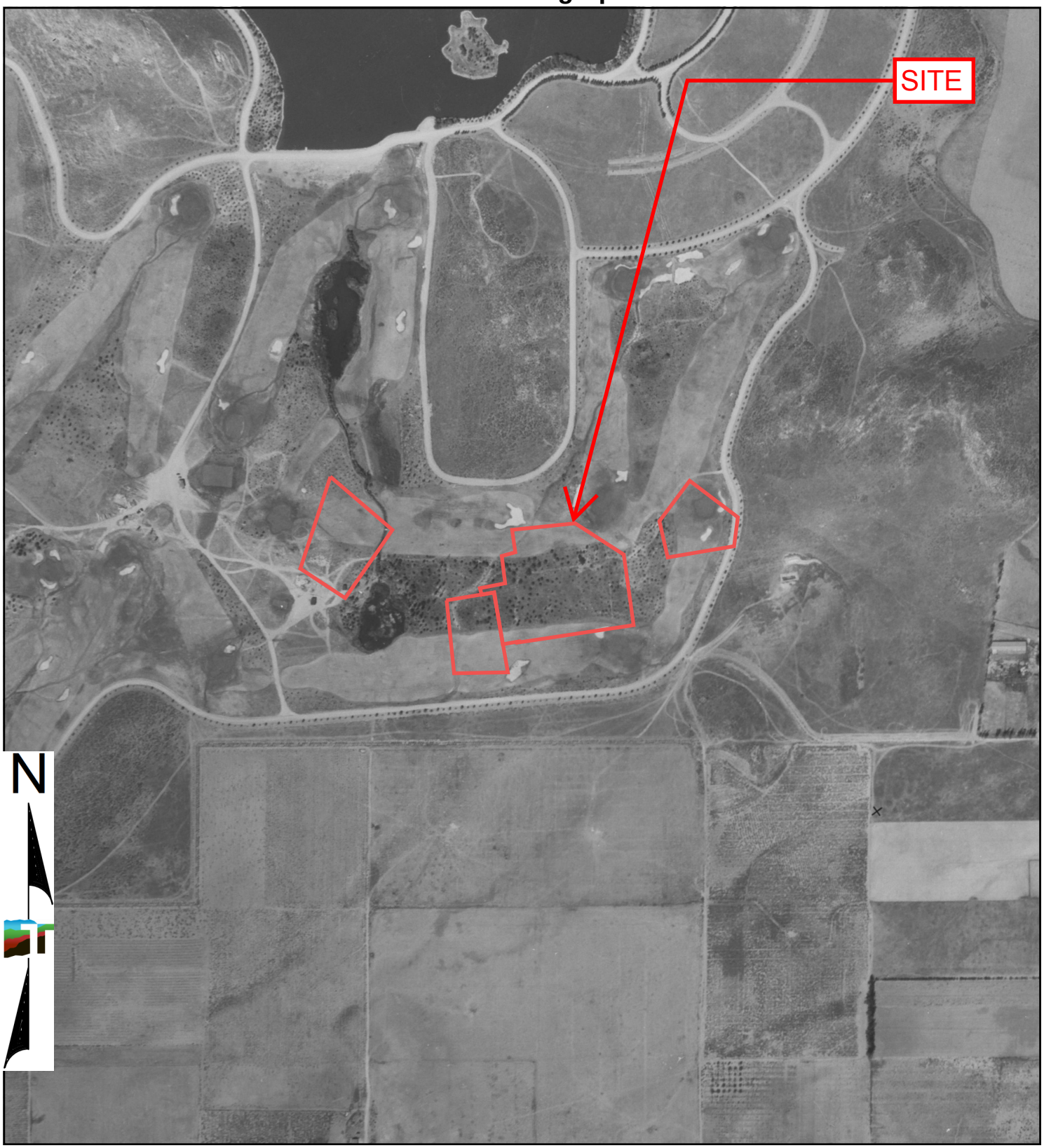
0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1948 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1948		



0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1938 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1938		



0 Feet 500 1000 2000

Project Manager:	Project No:	Terracon	1931 AERIAL PHOTOGRAPH
Drawn By:	Scale:		Norco College LLRC and Student Services Building 2001 Third Street Norco, Riverside County, California
Checked By:	File Name:		
Approved By:	Date: 1931		

Norco College
2001 Third St
Norco, CA 92860

Inquiry Number: 8124730.3
September 30, 2025

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

09/30/25

Site Name:

Norco College
2001 Third St
Norco, CA 92860
EDR Inquiry # 8124730.3

Client Name:

Terracon
23041 Avenida De La Carlota Ste 350
Laguna Hills, CA 92653
Contact: Baylie Zemke

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Terracon 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 # D9AD-4358-83A8

PO # NA

Project CB257022

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 #: D9AD-4358-83A8

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™

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Norco College
2001 Third St
Norco, CA 92860

Inquiry Number: 8124730.5
September 30, 2025

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

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 approximately 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 1921 through current. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 1320 feet of the target property.

Summary information obtained is provided in the text of this report.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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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.

Year	*Source*	*TP*	*Adjoining*	*Text Abstract*	*Source Image*
2022	EDR Digital Archive	X	X	X	-
2020	EDR Digital Archive	-	-	-	-
2017	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2014	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2010	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2005	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2002	SBC PACIFIC BELL	-	X	X	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
1996	Pacific Bell	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1995	Cole Information	-	X	X	-
1993	Pacific Bell	-	X	X	-
1992	Cole Information	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell Yellow Pages	-	-	-	-
1981	Pacific Telephone	-	X	X	-
1977	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	X	X	-
1967	Luskey Brothers & Co.	-	-	-	-
1966	Luskey Brothers & Company Inc.	-	-	-	-
1961	Luskey Brothers & Co.	-	X	X	-
1960	Luskeys Brothers & Co., Publishers	-	-	-	-
1956	Luskey Brothers & Co.	-	X	X	-
1955	Luskeys Brothers Co., Publishers	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	-	-	-	-
1946	Southern California Telephone Company	-	-	-	-
1945	Los Angeles Directory Co.	-	-	-	-
1941	Pacific Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1931	Southern California Telephone Co.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Kaasen Directory Co.	-	-	-	-
1921	Riverside Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
1951 3rd St	Client Entered	X
2321 Pacific Ave	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2001 Third St
Norco, CA 92860

FINDINGS DETAIL

Target Property research detail.

3RD ST

2001 3RD ST

Year	*Uses*	*Source*
2022	ARLENE ALVAREZ	EDR Digital Archive
	BARNES & NOBLE	EDR Digital Archive
	CALIFORNIA COMMUNITY COLLEGE CO	EDR Digital Archive
	CARTHAGE COLLEGE	EDR Digital Archive
	CHRIS WILLIAMS	EDR Digital Archive
	DORETTA SOWELL	EDR Digital Archive
	ELOY BUENO	EDR Digital Archive
	HOWARD TOMITA	EDR Digital Archive
	JAMES MCMAHON	EDR Digital Archive
	JAVIER SIERRA	EDR Digital Archive
	KIMBERLY MOSLEY	EDR Digital Archive
	LISA NELSON	EDR Digital Archive
	MARGARITA SHIRINIAN	EDR Digital Archive
	MORENO VALLEY COLLEGE	EDR Digital Archive
	NATALIE ACEVES	EDR Digital Archive
	NORCO	EDR Digital Archive
	NORCO COLLEGE	EDR Digital Archive
	NORCO COLLEGE BOOKSTORE	EDR Digital Archive
	RIVER COMMU COLLE DISTR	EDR Digital Archive
	RIVERSIDE CC DIST NORCO CAMPUS	EDR Digital Archive
	RIVERSIDE CITY COLLEGE	EDR Digital Archive
	RIVERSIDE COMMUNITY COLLEGE	EDR Digital Archive

FINDINGS

Year	Uses	Source
2022	RIVERSIDE COMMUNITY COLLEGE DISTRICT	EDR Digital Archive
	RIVERSIDE COMMUNITY COLLEGE DISTRICT FOUNDATION	EDR Digital Archive
	RIVERSIDE COMMUNITY COLLEGE NORCO	EDR Digital Archive
	STEVE HARRINGTON	EDR Digital Archive
	SUPPLY CHAIN	EDR Digital Archive
	TODD WALES	EDR Digital Archive
	TROY DURIE	EDR Digital Archive
2017	RIVERSIDE COMMUNITY COLLEGE DISTRICT	Cole Information
	WELLS FARGO ATM	Cole Information
2014	RIVERSIDE COMMUNITY COLLEGE DISTRICT	Cole Information
2010	RIVERSIDE COMMUNITY COLLEGE	Cole Information
2005	RIVERSIDE COMMUNITY COLL BOOKSTORE N	Cole Information
2001	ADMIN RIVERSD 0 MNTY CLG	Haines & Company, Inc.
	ADMISSIONS t IVERSDCMNTY CLG	Haines & Company, Inc.
	ASSOC STDNTS RIVERSDC 071 NTY CLG	Haines & Company, Inc.
	BOOKSTORE RIVERSDCMNTY CLG	Haines & Company, Inc.
	BUILDING PMDOORFINISH	Haines & Company, Inc.
	COUNSELING RIVE 6 SDCMNTY CL	Haines & Company, Inc.
	DEAN INSTRCT RIVERSDCMNTY CL	Haines & Company, Inc.
	DEAN STDNT RIVERSDCM 09 TY CLG	Haines & Company, Inc.
	FACILITIES RIVERSDCMN 09 CLG	Haines & Company, Inc.
	FNCL AID +RIVERSDC 0 NTY CLG	Haines & Company, Inc.
	HEALTH 6 WLNS RIVERSDCMNTY CLG	Haines & Company, Inc.
	LIBRARY RIVERSDCMNTY CLG	Haines & Company, Inc.
	POLICE RIVERSDCMNTY CLG	Haines & Company, Inc.
	PRFRMNG ARTS +RIVERSDCMNTY CLG	Haines & Company, Inc.
	PROVOST RIVERSDCMNt 0 CLG	Haines & Company, Inc.
	RIVERSDCMNTY CLG	Haines & Company, Inc.
2000	RIVERSIDE COMMUNITY COLLEGE MORENO VALLEY	Cole Information

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

3RD

1900 3RD

Year	Uses	Source
2002	NORCO HEADSTART	SBC PACIFIC BELL
	THOROUGHBRED LN	SBC PACIFIC BELL
2000	NORCO HEADSTART	Cole Information
1995	NORCO HEADSTART	Cole Information

3RD ST

1900 3RD ST

Year	Uses	Source
2022	ELAINE URIBE	EDR Digital Archive
	RIVERSIDE C.O.E	EDR Digital Archive
2010	NORCO HEADSTART	Cole Information
2001	NORCOHEADSTART	Haines & Company, Inc.
1996	NORCO HEADSTART	Pacific Bell

3rd St

1951 3rd St

Year	Uses	Source
2022	LEROY WELCH	EDR Digital Archive
	JENIFFER GARCIA	EDR Digital Archive
	JOHN F KENNEDY MIDDLE COLLEGE HIGH SCHOOL	EDR Digital Archive
	CORONA-NORCO UNIFIED SCHOOL DISTRICT	EDR Digital Archive
2017	CORONANORCO UNIFIED SCHOOL DISTRICT	Cole Information
	KENNEDY HIGH SCHOOL	Cole Information
2014	CORONANORCO UNIFIED SCHOOL DISTRICT	Cole Information

FINDINGS

Year	Uses	Source
2014	KENNEDY HIGH SCHOOL	Cole Information
2010	KENNEDY HIGH SCHOOL	Cole Information

3RD ST

1990 3RD ST

Year	Uses	Source
2022	MADELINE THOMAS	EDR Digital Archive

CABALLEROS DR

2181 CABALLEROS DR

Year	Uses	Source
2001	CROUNKWillam	Haines & Company, Inc.

2190 CABALLEROS DR

Year	Uses	Source
2001	KINGPatnce	Haines & Company, Inc.
	YORKJohn R	Haines & Company, Inc.
1970	Lindsay David	Pacific Telephone

2201 CABALLEROS DR

Year	Uses	Source
2001	SHURTLIFFRobero	Haines & Company, Inc.
1993	Crosser Wayne	Pacific Bell

2210 CABALLEROS DR

Year	Uses	Source
2001	DULLAARTJoe	Haines & Company, Inc.
1981	Casillas Rodolfo	Pacific Telephone
1970	Miller Robt O	Pacific Telephone

2231 CABALLEROS DR

Year	Uses	Source
2001	CARBAJALGerald	Haines & Company, Inc.
1993	Carbajal Gerald	Pacific Bell
	Carbajal S S	Pacific Bell

FINDINGS

Year	Uses	Source
1970	Hawley H Edward	Pacific Telephone

2240 CABALLEROS DR

Year	Uses	Source
2001	GUERREROMiguel	Haines & Company, Inc.
1993	Guerrero Miguel	Pacific Bell
	Guerrero Mike & Dixie	Pacific Bell
1981	Guerrero Miguel	Pacific Telephone
1970	Akins Jas C	Pacific Telephone

2270 CABALLEROS DR

Year	Uses	Source
2001	STANDIFOR 0 Wm T	Haines & Company, Inc.
1993	Standiford Wm T	Pacific Bell
	Standish A	Pacific Bell
1981	Standiford Wm T	Pacific Telephone
1977	Standiford Wm T	Pacific Telephone
1970	Standiford Wm T	Pacific Telephone

CABALLEROS RD

2181 CABALLEROS RD

Year	Uses	Source
2022	MELISSA DUPONT	EDR Digital Archive
	JEFFREY DUPONT	EDR Digital Archive
2017	WILLIAM CROUNK	Cole Information
2014	WILLIAM CROUNK	Cole Information
2010	WILLIAM CROUNK	Cole Information
2005	WILLIAM CROUNK	Cole Information
2000	WILLIAM CROUNK	Cole Information
1995	CROUNK, WILLIAM F	Cole Information

2190 CABALLEROS RD

Year	Uses	Source
2022	PATRICE TIPTON	EDR Digital Archive

FINDINGS

Year	Uses	Source
2022	MICHELLE TIPTON	EDR Digital Archive
	MELANIE TIPTON	EDR Digital Archive
	GILBERT TIPTON	EDR Digital Archive
2017	GILBERT TIPTON	Cole Information
2014	GILBERT TIPTON	Cole Information
2010	GILBERT TIPTON	Cole Information
2005	GILBERT TIPTON	Cole Information
2000	GEORGE KUC	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

2201 CABALLEROS RD

Year	Uses	Source
2022	CHRISTINE SHURTLIFF	EDR Digital Archive
	PHYLLIS SHURTLIFF	EDR Digital Archive
	ROBERT SHURTLIFF	EDR Digital Archive
	AARON SHURTLIFF	EDR Digital Archive
	JOSHUA SHURTLIFF	EDR Digital Archive
	MATTHEW SHURTLIFF	EDR Digital Archive
2017	ROBERT SHURTLIFF	Cole Information
2014	ROBERT SHURTLIFF	Cole Information
2010	ROBERT SHURTLIFF	Cole Information
2005	CYNTHIA ROYLANCE	Cole Information
2000	ROBERT SHURTLIFF	Cole Information
1995	JONES, JASON S	Cole Information
1992	CROSSER, WAYNE	Cole Information
1990	Crosser Wayne	Pacific Bell

2205 CABALLEROS RD

Year	Uses	Source
2005	ROBERT SHURTLIFF	Cole Information
2000	ROBERT SHURTLIFF	Cole Information

FINDINGS

2210 CABALLEROS RD

Year	Uses	Source
2022	REYNA ZAVALA	EDR Digital Archive
	FLORENTINO ZAVALA	EDR Digital Archive
2017	FLORENTINO ZAVALA	Cole Information
2014	FLORENTINO ZAVALA	Cole Information
2010	JOE DULLAART	Cole Information
2005	JOE DULLAART	Cole Information
2000	JOE DULLAART	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

2231 CABALLEROS RD

Year	Uses	Source
2022	MARY LAZARO	EDR Digital Archive
	EDWARD LAZARO	EDR Digital Archive
2017	JOYCE NELSON	Cole Information
2014	RENNIE LEACH	Cole Information
2005	JOSEPH PATIN	Cole Information
2002	Carbajal Gerald	SBC PACIFIC BELL
2000	GERALD CARBAJAL	Cole Information
1996	Carbajal Gerald	Pacific Bell
1995	CARBAJAL, GERALD	Cole Information
1992	CARBAJAL, GERALD	Cole Information
1990	Carbajal Gerald	Pacific Bell

2240 CABALLEROS RD

Year	Uses	Source
2022	MELVA GUERRERO	EDR Digital Archive
	MIGUEL GUERRERO	EDR Digital Archive
2017	MIGUEL GUERRERO	Cole Information
2014	MIGUEL GUERRERO	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	MIGUEL GUERRERO	Cole Information
2002	Guerrero Miguel	SBC PACIFIC BELL
2000	MIGUEL GUERRERO	Cole Information

Year	Uses	Source
1996	Guerrero Miguel	Pacific Bell
1990	Guerrero Miguel	Pacific Bell

2270 CABALLEROS RD

Year	Uses	Source
2022	SUZANNE STANDIFORD	EDR Digital Archive
2017	BETTY STANDIFORD	Cole Information
2014	BETTY STANDIFORD	Cole Information
2010	BETTY STANDIFORD	Cole Information
2005	WILLIAM STANDIFORD	Cole Information
1995	STANDIFORD, WILLIAM T	Cole Information
1992	STANDIFORD, WILLIAM T	Cole Information

CHATTERTON LN

2210 CHATTERTON LN

Year	Uses	Source
2022	RUTH STALLINGS	EDR Digital Archive
	STARR STALLINGS	EDR Digital Archive
	JACOB STALLINGS	EDR Digital Archive
	SISSY STALLINGS	EDR Digital Archive
	PAUL STALLINGS	EDR Digital Archive
	FRANCIS STALLINGS	EDR Digital Archive
2017	STARR STALLINGS	Cole Information
2014	FAUSTO VALADEZ	Cole Information
2010	FAUSTO VALADEZ	Cole Information
2005	FAUSTO VALADEZ	Cole Information
2001	VALASEZFauslo	Haines & Company, Inc.
1981	Damron Wayne W	Pacific Telephone
1977	Damron Wayne W	Pacific Telephone

2240 CHATTERTON LN

Year	Uses	Source
2022	SHARON FOSTER	EDR Digital Archive
2017	SHARON FOSTER	Cole Information

FINDINGS

Year	Uses	Source
2014	SHARON FOSTER	Cole Information
2010	CARL FOSTER	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2001	FOSTER B	Haines & Company, Inc.
1977	Harris Jim	Pacific Telephone

2245 CHATTERTON LN

Year	Uses	Source
1995	POLDER, WILLIAM M	Cole Information

2260 CHATTERTON LN

Year	Uses	Source
2022	FLORENTINO PICHARDO	EDR Digital Archive
2017	JOHN GILMORE	Cole Information
2014	JOHN GILMORE	Cole Information
2010	JOHN GILMORE	Cole Information
2005	JOHN GILMORE	Cole Information
2001	GILMOREJohn	Haines & Company, Inc.
1995	GILMORE, JOHN F	Cole Information
1981	Bagley Robt	Pacific Telephone

2280 CHATTERTON LN

Year	Uses	Source
2022	IRMA FLORES	EDR Digital Archive
	ESMERALDA FLORES	EDR Digital Archive
	DEVIN FLORES	EDR Digital Archive
2017	MICHAEL SCHULTZ	Cole Information
2010	ESMERALDA FLORES	Cole Information
2005	FRANCISCO FLORES	Cole Information
2001	CHATTERTONLn	Haines & Company, Inc.
1996	Diaz A	Pacific Bell

2320 CHATTERTON LN

Year	Uses	Source
2022	CHELSEY ALLEN	EDR Digital Archive

FINDINGS

Year	Uses	Source
2017	FRED CORTEZ	Cole Information
2014	FRED CORTEZ	Cole Information
2010	MARIA MARTINEZ	Cole Information
2005	VERONICA BLAIR	Cole Information
2001	WINDHAM Aaron	Haines & Company, Inc.
1995	WINDHAM, AARON V	Cole Information
1977	Nichols J L	Pacific Telephone

2325 CHATTERTON LN

Year	Uses	Source
2022	FLORENCE MCDANIELS	EDR Digital Archive
	JEFFREY MCDANIELS	EDR Digital Archive
2017	JOLENE CROUSE	Cole Information
2014	JOLENE CROUSE	Cole Information
2010	PETER ANDREAS	Cole Information
2005	PETER ANDREAS	Cole Information
2001	ANDREAS Peter	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1996	Gilstrap Ivis T	Pacific Bell
1995	GILSTRAP, IVIS T	Cole Information
1993	Gilstrap Ivis T	Pacific Bell
	Giltzow Darlene L	Pacific Bell
1992	GILSTRAP, IVIS T	Cole Information
1990	Gilstrap Ivis T	Pacific Bell
1981	Glstrap Ivis T	Pacific Telephone
1977	Gilstrap Ivis T	Pacific Telephone

2340 CHATTERTON LN

Year	Uses	Source
2022	JEREMIAH CRYSLER	EDR Digital Archive
	TERESA CRYSLER	EDR Digital Archive
	NANCY CRYSLER	EDR Digital Archive
	JASON CRYSLER	EDR Digital Archive
2017	JEREMIAH CRYSLER	Cole Information

FINDINGS

Year	Uses	Source
2014	JEREMIAH CRYSLER	Cole Information
2010	JEREMIAH CRYSLER	Cole Information
2001	RAY Gordon	Haines & Company, Inc.
2000	GORDON RAY	Cole Information
1995	RAY, GORDON L	Cole Information

2345 CHATTERTON LN

Year	Uses	Source
2022	CARLA DEEDRICK	EDR Digital Archive
2017	CARLA DEEDRICK	Cole Information
2014	CARLA DEEDRICK	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	CORY VILLA	Cole Information
2001	VILLACory	Haines & Company, Inc.
2000	CORY VILLA	Cole Information
1995	POLDER, LULA P	Cole Information
1993	Marsh Casey	Pacific Bell
	Marsh Cliff	Pacific Bell
1992	MARSH, CASEY	Cole Information
1990	Marsh Casey	Pacific Bell
1981	Marsh Casey	Pacific Telephone

2355 CHATTERTON LN

Year	Uses	Source
2022	GUSTAVO DELATORRE	EDR Digital Archive
2017	GUSTAVO DELATORRE	Cole Information
2014	GUSTAVO DELATORRE	Cole Information
2010	GUSTAVO DELATORRE	Cole Information
2005	MICHAEL KELL	Cole Information
2001	KELLMtchael	Haines & Company, Inc.
2000	MICHAEL KELL	Cole Information
1995	KELL, REGENIA	Cole Information
1981	Gildea Eugene J	Pacific Telephone

FINDINGS

2360 CHATTERTON LN

Year	Uses	Source
2022	FRANKLIN PORTILLO	EDR Digital Archive
2017	MARK NEWMAN	Cole Information
2014	MARK NEWMAN	Cole Information
2010	MARK NEWMAN	Cole Information
2005	MARK NEWMAN	Cole Information
2001	WARD Paul	Haines & Company, Inc.
2000	PAUL WARD	Cole Information
1995	BRANSCOM, JULIE	Cole Information

2365 CHATTERTON LN

Year	Uses	Source
2022	GABRIEL LUNA	EDR Digital Archive
2014	MIGUEL CENDEJAS	Cole Information
2010	M MENDOZA	Cole Information
2005	GABRIEL LUNA	Cole Information
2000	ANN JONAS	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1981	Jonas Edw in	Pacific Telephone

2380 CHATTERTON LN

Year	Uses	Source
2022	JOEY LEIS	EDR Digital Archive
	MARYANNE LEIS	EDR Digital Archive
2017	JOEY LEIS	Cole Information
2014	STEVEN RACHUNOK	Cole Information
2010	STEVEN RACHUNOK	Cole Information
2005	STEVEN RACHUNOK	Cole Information
2001	RACHUNOKSleven	Haines & Company, Inc.
2000	STEVEN RACHUNOK	Cole Information
1995	RACHUNOK, STEVEN P	Cole Information
1981	Rachunok Steven	Pacific Telephone

FINDINGS

2421 CHATTERTON LN

Year	Uses	Source
2022	DOBI INC	EDR Digital Archive
	IRVING RAMIREZ	EDR Digital Archive
	ARACELI BARBA	EDR Digital Archive
	AMADOR GONZALES	EDR Digital Archive
2017	MARY BUCHA	Cole Information
2014	KENNETH BUCHA	Cole Information
2010	KENNETH BUCHA	Cole Information
2005	BUCHA GRAND PRIX RACING	Cole Information
	KENNETH BUCHA	Cole Information
2002	Bucha Kenneth	SBC PACIFIC BELL
2001	BUCHA Kenneth	Haines & Company, Inc.
2000	KENNETH BUCHA	Cole Information
1996	Bucha Kenneth	Pacific Bell
1995	BUCHA, KENNETH	Cole Information
1993	Bucha Kenneth	Pacific Bell
	Buchaman Wm J	Pacific Bell
1992	BUCHA, KENNETH	Cole Information
1990	Bucha Kenneth	Pacific Bell
1977	Ashmore Wm	Pacific Telephone

2440 CHATTERTON LN

Year	Uses	Source
2022	GLENDA FRIEDRICHSEN	EDR Digital Archive
2017	VAUGHN FRIEDRICHSEN	Cole Information
2014	VAUGHN FRIEDRICHSEN	Cole Information
2010	VAUGHN FRIEDRICHSEN	Cole Information
2005	VAUGHN FRIEDRICHSEN	Cole Information
2001	FRIEDRICHSENV	Haines & Company, Inc.
2000	VAUGHN FRIEDRICHSEN	Cole Information
1995	FRIEDRICHSEN, VAUGHN D	Cole Information

FINDINGS

2461 CHATTERTON LN

Year	Uses	Source
2022	ALEXANDRIA SUMMERS	EDR Digital Archive
	ROXANNE SUMMERS	EDR Digital Archive
	FELICIIA SUMMERS	EDR Digital Archive
	MICHAEL SUMMERS	EDR Digital Archive
2017	GREG ALLEN	Cole Information
2014	GREG ALLEN	Cole Information
2010	GABRIELLA CASTO	Cole Information
2005	BOBBIE CASTO	Cole Information
2001	CASTOCarl E	Haines & Company, Inc.
2000	CARL CASTO	Cole Information
1996	Casto Carl E	Pacific Bell
1995	CASTO, CARL E	Cole Information
1993	Casto Carl E	Pacific Bell
1992	CASTO, CARL E	Cole Information
1990	Casto Carl E	Pacific Bell
1981	Casto Carl E	Pacific Telephone

2480 CHATTERTON LN

Year	Uses	Source
2022	CHRISTINE RICHER	EDR Digital Archive
2017	CHRISTINE RICHER	Cole Information
2014	ROBERT ORMAND	Cole Information
2010	SARA TAYLOR	Cole Information
2005	CHRISTINE RICHER	Cole Information
2001	RICHER Chrisline	Haines & Company, Inc.
1977	Scheidemantel John	Pacific Telephone

2501 CHATTERTON LN

Year	Uses	Source
2022	RICHARD DENORCH	EDR Digital Archive
2017	TESAREK MARILYN	Cole Information
2014	MARILYN TESAREK	Cole Information
2010	MARILYN TESAREK	Cole Information

FINDINGS

Year	Uses	Source
2005	MARILYN TESAREK	Cole Information
2001	TESAREKManlyn	Haines & Company, Inc.

2567 CHATTERTON LN

Year	Uses	Source
2022	KEVIN TANG	EDR Digital Archive
2017	JOSHUA ROBINSON	Cole Information
2014	OCCUPANT UNKNOWN	Cole Information
2010	GEORGE ROBINSON	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2001	ROBINSONSharsn	Haines & Company, Inc.
1993	Morrison Deroy	Pacific Bell
1992	MORRISON, DEROY	Cole Information
1990	Morrison Deroy	Pacific Bell
1981	Morrison Deroy	Pacific Telephone

E CHATTERTON LN

2365 E CHATTERTON LN

Year	Uses	Source
1992	RUSSNEL CONSTR SERV	Cole Information

INDIAN HORSE DR

2051 INDIAN HORSE DR

Year	Uses	Source
2022	PB SHOWER DOORS	EDR Digital Archive
	PAUL BOUSKILL	EDR Digital Archive
	JULIO ESTRADA	EDR Digital Archive
2017	JASON BOUSKILL	Cole Information
2014	PAUL BOUSKILL	Cole Information
2005	DANIEL MEDINA	Cole Information
2001	SONNENBORG Michael	Haines & Company, Inc.

FINDINGS

2061 INDIAN HORSE DR

Year	Uses	Source
2022	ROBERT MILLICAN	EDR Digital Archive
	ALICIA MILLICAN	EDR Digital Archive
	ANGELA MILLICAN	EDR Digital Archive
	ROBERTS MOBILE AUTO & TRUCK	EDR Digital Archive
2017	DAN MILLICAN	Cole Information
2014	OCCUPANT UNKNOWN	Cole Information
2010	ROBERT MILLICAN	Cole Information
2005	ROBERT MILLICAN	Cole Information
2001	MILLICANIRober	Haines & Company, Inc.
1995	BOOZER, LADORIS	Cole Information

2071 INDIAN HORSE DR

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

2171 INDIAN HORSE DR

Year	Uses	Source
2022	JORDAN MOORE	EDR Digital Archive
2017	DEAN HANNEMAN	Cole Information
2014	DEAN HANNEMAN	Cole Information
2010	DEAN HANNEMAN	Cole Information
2005	HANNEMAN CARPET	Cole Information
	INLAND MARBLE & STONE	Cole Information
	DEAN HANNEMAN	Cole Information
2002	Hanneman Terry D	SBC PACIFIC BELL
	Hanneman Michael D	SBC PACIFIC BELL
2001	HSANNEMANTerry D	Haines & Company, Inc.
2000	TERRY HANNEMAN	Cole Information
1996	Hanneman Terry D	Pacific Bell
1995	GIOVANETTI, TINA	Cole Information
1992	HANNEMAN, TERRY D	Cole Information
1990	Hanneman Terry D	Pacific Bell

FINDINGS

2180 INDIAN HORSE DR

Year	Uses	Source
2022	MELISSA DEANDA	EDR Digital Archive
	JOSE DEANDA	EDR Digital Archive
2017	EDWIN ROBERTSON	Cole Information
2014	EDWIN ROBERTSON	Cole Information
2010	MARIA WEILAND	Cole Information
2005	JULEE HUY	Cole Information
2001	OMEADE Claude	Haines & Company, Inc.
2000	CLAUDE MEADE	Cole Information
1995	MEADE, CLAUDE	Cole Information
1992	HANNEMAN, ELLENOR A	Cole Information
1990	Hanneman E	Pacific Bell

2191 INDIAN HORSE DR

Year	Uses	Source
2022	TAMMY FREEMAN	EDR Digital Archive
	JEREMY FREEMAN	EDR Digital Archive
2017	JEREMY FREEMAN	Cole Information
2014	JEREMY FREEMAN	Cole Information
2010	JEREMY FREEMAN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2001	HAFFJake Jr	Haines & Company, Inc.
2000	JAKE HAFF	Cole Information
1995	HAFF, JAKE JR	Cole Information
1992	HAFF, JAKE JR	Cole Information

2206 INDIAN HORSE DR

Year	Uses	Source
2022	WENDY SCOTT	EDR Digital Archive
	JOSHUA SCOTT	EDR Digital Archive
2017	WENDY GANNON	Cole Information
2014	ELAINE MCMAHON	Cole Information
2010	ELAINE MCMAHON	Cole Information
2005	ELAINE MCMAHON	Cole Information

FINDINGS

Year	Uses	Source
2001	MCMAHON Ronald	Haines & Company, Inc.
2000	RONALD MCMAHON	Cole Information
1995	MCMAHON, RONALD O	Cole Information

2211 INDIAN HORSE DR

Year	Uses	Source
2022	PATRICK DARR	EDR Digital Archive
	EMILY DARR	EDR Digital Archive
	JILL DARR	EDR Digital Archive
	EDWARD DARR	EDR Digital Archive
2014	EDWARD DARR	Cole Information
2010	RICHARD DARR	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2001	DARREdward	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	BRITTOS, RITA	Cole Information

2220 INDIAN HORSE DR

Year	Uses	Source
2022	KENNETH KOCHER	EDR Digital Archive
	NAYSLA KOCHER	EDR Digital Archive
2017	MANUEL HERRERA	Cole Information
2014	MICHAEL BAKER	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	MICHAEL BAKER	Cole Information
2001	BAKER Michael	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	BAKER, MICHAEL H	Cole Information

2231 INDIAN HORSE DR

Year	Uses	Source
2022	WILLIAM ARTHUR	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	ELDRED ARTHUR	Cole Information

FINDINGS

Year	Uses	Source
2005	ELDRED ARTHUR	Cole Information
2002	Arthur Eldred	SBC PACIFIC BELL
2001	ARTHUR Eldred O	Haines & Company, Inc.
2000	ELDRED ARTHUR	Cole Information
1996	Arthur Eldred O	Pacific Bell
1995	ARTHUR, ELDRED O	Cole Information
1992	ARTHUR, ELDRED O	Cole Information
1990	Arthur Eldred O	Pacific Bell

2251 INDIAN HORSE DR

Year	Uses	Source
2022	OCTAVIAN RAMIREZ	EDR Digital Archive
2017	MANUEL RAMIREZ	Cole Information
2014	OCCUPANT UNKNOWN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	ANDREW JANUSEWSKI	Cole Information
2002	Ramirez Manuel	SBC PACIFIC BELL
2001	RAMIREZ Manuel	Haines & Company, Inc.
2000	MANUEL RAMIREZ	Cole Information
1996	Ramirez Manuel	Pacific Bell
1995	RAMIREZ, MANUEL	Cole Information
1992	PRESLEY, LORAINE	Cole Information

2271 INDIAN HORSE DR

Year	Uses	Source
2022	JANET CALVA	EDR Digital Archive
	JUAN CARDENAS	EDR Digital Archive
2017	MANUEL CARDENAS	Cole Information
2014	MANUEL CARDENAS	Cole Information
2010	JACOB CARDENAS	Cole Information
2005	ROY DUMA	Cole Information
2001	D 0 MA Roy	Haines & Company, Inc.
2000	ROY DUMA	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

FINDINGS

2291 INDIAN HORSE DR

Year	Uses	Source
2022	DRUSILLA VANZANT	EDR Digital Archive
	PEGGY BANKS LIFE INSURANCE BROKER	EDR Digital Archive
2017	DAVE VANZANT	Cole Information
2014	DAVE VANZANT	Cole Information
2010	DAVID VANZANT	Cole Information
2005	TED VANZANT	Cole Information
	MR GRILLE	Cole Information
2001	FLYNNSDouglas	Haines & Company, Inc.
1995	OCCUPANT UNKNOWNN	Cole Information
1990	Carpenter John & Cindl	Pacific Bell

2311 INDIAN HORSE DR

Year	Uses	Source
2022	JEREMY CHAPPELL	EDR Digital Archive
	LEE CHAPPELL	EDR Digital Archive
2017	CHRISTINA MARTINEZ	Cole Information
2014	MARIA LOPEZ	Cole Information
2010	JOSE ARRIOLA	Cole Information
2005	JOSE ARRIOLA	Cole Information
2002	Arriola Jose L	SBC PACIFIC BELL
2001	ARRIOLAJo Sa L	Haines & Company, Inc.
2000	JOSE ARRIOLA	Cole Information
1996	Arriola Jose L	Pacific Bell
1995	ARRIOLA, JOSE L	Cole Information
1992	ARRIOLA, JOSE L	Cole Information
1990	Arriola Jose L	Pacific Bell

INDIANR HORSE DR

2180 INDIANR HORSE DR

Year	Uses	Source
1993	Hanneman E	Pacific Bell

FINDINGS

MOUNTAIN AVE

2071 MOUNTAIN AVE

Year	Uses	Source
2022	MARTIN VILCHES	EDR Digital Archive
	MARIA VILCHES	EDR Digital Archive
2017	DANIEL PEREZ	Cole Information
2014	MANUEL PEREZ	Cole Information
2010	MANUEL PEREZ	Cole Information
2005	MANUEL PEREZ	Cole Information
2002	Juarez Jose	SBC PACIFIC BELL
2001	JUAREZJose	Haines & Company, Inc.
	PEREZManuel	Haines & Company, Inc.
2000	MANUEL PEREZ	Cole Information
	JOSE JUAREZ	Cole Information
1996	Juarez Jose	Pacific Bell
1995	PEREZ, MANUEL	Cole Information
	JUAREZ, JOSE	Cole Information
1993	Juarez Jose	Pacific Bell
	Perez Manuel	Pacific Bell
1992	PEREZ, MANUEL	Cole Information
	JUAREZ, JOSE	Cole Information
1990	Juarez Jose	Pacific Bell
1977	Lyw andow sky Fred H	Pacific Telephone
	M & M Secretarial Service POBox 562 @Norco@	Pacific Telephone

2091 MOUNTAIN AVE

Year	Uses	Source
2022	CHAD REIDEL	EDR Digital Archive
	MARY GLUNT	EDR Digital Archive
	BERNARD GLUNT	EDR Digital Archive
2017	DANIEL LAMBERT	Cole Information
2014	ERIC LAMBERT	Cole Information
2010	DANIEL LAMBERT	Cole Information

FINDINGS

Year	Uses	Source
2005	DANIEL LAMBERT	Cole Information
2001	OLAMBERTDaniel	Haines & Company, Inc.
2000	DANIEL LAMBERT	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

2115 MOUNTAIN AVE

Year	Uses	Source
2022	FELIX METAL WORKS	EDR Digital Archive
	DANY FELIX	EDR Digital Archive
	JESSICA RUBIO	EDR Digital Archive
	ISABEL FELIX	EDR Digital Archive
2017	FELIX METAL WORKS	Cole Information
	DANIEL FELIX	Cole Information
2014	DANIEL FELIX	Cole Information
2010	DANIEL FELIX	Cole Information
2005	FELIX METAL WORKS	Cole Information
	DANIEL FELIX	Cole Information
2001	OFELIXDaniel	Haines & Company, Inc.
2000	DANIEL FELIX	Cole Information
1995	DIXON, ROGER L	Cole Information

2116 MOUNTAIN AVE

Year	Uses	Source
2022	CATHY GRAUPMANN	EDR Digital Archive
	ROGER GRAUPMANN	EDR Digital Archive
2017	ROGER GRAUPMANN	Cole Information
2014	DANIEL GRAUPMANN	Cole Information
2010	ROGER GRAUPMANN	Cole Information
2005	ROGER GRAUPMANN	Cole Information
2002	Graupmann Roger	SBC PACIFIC BELL
2001	GRAUPMANNPRoger	Haines & Company, Inc.
2000	ROGER GRAUPMANN	Cole Information
1996	Graupmann Roger	Pacific Bell
1995	GRAUPMANN, ROGER	Cole Information

FINDINGS

Year	Uses	Source
1993	Graupmann Roger	Pacific Bell
	Gravelle B	Pacific Bell
1992	GRAUPMANN, ROGER	Cole Information
1990	Graupmann Roger	Pacific Bell
1981	Graupmann Roger	Pacific Telephone
1961	J CATTERTON	Luskey Brothers & Co.

2121 MOUNTAIN AVE

Year	Uses	Source
2022	RODNEY HUSTON	EDR Digital Archive
	JULIANN HUSTON	EDR Digital Archive
	KRISTINE HUSTON	EDR Digital Archive
2017	RODNEY HUSTON	Cole Information
2014	RODNEY HUSTON	Cole Information
2010	RODNEY HUSTON	Cole Information
2005	RODNEY HUSTON	Cole Information
2001	HUSTONKnstaie	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	BOREN, EARNEST	Cole Information

2131 MOUNTAIN AVE

Year	Uses	Source
2022	DANIEL RICHARDS	EDR Digital Archive
	WENDY RICHARDS	EDR Digital Archive
2017	WANNDA ROBINSON	Cole Information
2014	OCCUPANT UNKNOWN	Cole Information
2010	TRACY HOLATO	Cole Information
2005	DALE VEDOMSKE	Cole Information
2001	CORDELLJames	Haines & Company, Inc.
2000	CONNIE VEDOMSKE	Cole Information
1995	BYERS, FRAN	Cole Information

FINDINGS

2330 MOUNTAIN AVE

Year	Uses	Source
2022	SIMPLY SWEET TOFFEE AND BRITTLE	EDR Digital Archive
	HEIDI BENHAM	EDR Digital Archive
	SHAWN BENHAM	EDR Digital Archive
2017	SIMPLY SWEET TOFFEE & BRITTLE	Cole Information
	SIMPLY SWEET	Cole Information
	PAUL HUGHES	Cole Information
2014	ELEANOR FRAZIER	Cole Information
2010	ELEANOR FRAZIER	Cole Information
2005	WILLIAM BARRETT	Cole Information
2002	Barrett William C	SBC PACIFIC BELL
2001	JESSOMEJoseph	Haines & Company, Inc.
1995	JESSOME, JOSEPH J	Cole Information
1992	JESSOME, JOSEPH J	Cole Information
1981	Jessome J J	Pacific Telephone
1977	Jessome J J	Pacific Telephone

2340 MOUNTAIN AVE

Year	Uses	Source
2022	DANA CZUBAKOWSKI	EDR Digital Archive
	AMANDA CZUBAKOWSKI	EDR Digital Archive
2017	MIKE PAGGEN	Cole Information
2014	MIKE PAGGEN	Cole Information
2010	MIKE PAGGEN	Cole Information
2005	MIKE PAGGEN	Cole Information
2001	KRUEGER Kenneth	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	BENHAM, CRAIG	Cole Information

2360 MOUNTAIN AVE

Year	Uses	Source
2022	SHARON TIGER	EDR Digital Archive
2017	SHARON TIGER	Cole Information
2014	SHARON TIGER	Cole Information

FINDINGS

Year	Uses	Source
2010	SHARON TIGER	Cole Information
2005	SHARON TIGER	Cole Information
2002	Tiger John E	SBC PACIFIC BELL
2001	TIGERJohn E	Haines & Company, Inc.
2000	JOHN TIGER	Cole Information
1996	Tiger John E	Pacific Bell
1995	TIGER, JOHN E	Cole Information
1993	Tiger John E	Pacific Bell
	Tiger John E	Pacific Bell
1992	TIGER, JOHN E	Cole Information
1990	Tiger John E	Pacific Bell
	Tiger John E	Pacific Bell
1981	Tiger John E	Pacific Telephone
	Tiger John E	Pacific Telephone
1977	Tiger John E	Pacific Telephone

2370 MOUNTAIN AVE

Year	Uses	Source
2022	CHRISTINE DUNKEL	EDR Digital Archive
	JOSHUA DUNKEL	EDR Digital Archive
2017	THERESA YOUNG	Cole Information
2014	THERESA YOUNG	Cole Information
2010	THERESA YOUNG	Cole Information
2005	BOHNER JOHN	Cole Information
2002	John Bohner	SBC PACIFIC BELL
2001	SBOHNERJohn	Haines & Company, Inc.
2000	JOHN BOHNER	Cole Information
1995	ROBERT TAYLOR CO	Cole Information
1990	TAYLOR ROBERT CO	Pacific Bell
1981	Taylor Robert Co	Pacific Telephone
1977	taylor Robt	Pacific Telephone

FINDINGS

2380 MOUNTAIN AVE

Year	Uses	Source
2022	RONALD WILSON	EDR Digital Archive
	MARCIA WILSON	EDR Digital Archive
2014	JOSEF GASSMANN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2001	NOLAN Candy	Haines & Company, Inc.
2000	CANDY NOLAN	Cole Information
1996	Wellott Robt J	Pacific Bell
1995	WELLOTT, ROBERT J	Cole Information
1993	Wellott Robt J	Pacific Bell
	Wellpet	Pacific Bell
1992	WELLOTT, ROBERT J	Cole Information
1990	Wellott Robt J	Pacific Bell
1981	Wellott Robt J	Pacific Telephone
1977	Blossfield WG	Pacific Telephone

2381 MOUNTAIN AVE

Year	Uses	Source
2022	FILIBERTO PEREZ	EDR Digital Archive
	JOSE PEREZ	EDR Digital Archive
	MONICA PEREZ	EDR Digital Archive
	JESSICA PEREZ	EDR Digital Archive
2017	KEVIN SOUTHERLAND	Cole Information
2014	KEVIN SOUTHERLAND	Cole Information
2010	KEVIN SOUTHERLAND	Cole Information
2005	KIERSTEN MELGES	Cole Information
2002	Espinoza Anthony	SBC PACIFIC BELL
2001	MANNING Betty	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information

2390 MOUNTAIN AVE

Year	Uses	Source
2022	GERTRUDE NOLAN	EDR Digital Archive

FINDINGS

Year	Uses	Source
2022	LISA PEREZ	EDR Digital Archive
2017	GERTRUDE NOLAN	Cole Information
2014	GERTRUDE NOLAN	Cole Information
2010	GERTRUDE NOLAN	Cole Information
2005	MATTHEW NOLAN	Cole Information
2001	NOLAN Malhew	Haines & Company, Inc.
2000	MATTHEW NOLAN	Cole Information
1995	NOLAN, MATTHEW A	Cole Information
1977	Bennett Kenneth F	Pacific Telephone

2391 MOUNTAIN AVE

Year	Uses	Source
2022	ELENA SALAS	EDR Digital Archive
2017	ARDEN MORLEY	Cole Information
2014	ARDEN MORLEY	Cole Information
2010	BEVERLY BARBER	Cole Information
2005	BEVERLY BARBER	Cole Information
2002	Morley Christopher & Arden	SBC PACIFIC BELL
2001	MORLEY Arden	Haines & Company, Inc.
	MORLEY Chrst	Haines & Company, Inc.
2000	C MORLEY	Cole Information
1996	Morley Christopher & Arden	Pacific Bell
1995	MORLEY, C	Cole Information
1993	Morley Christopher & Arden	Pacific Bell
	Morley R & D	Pacific Bell
1992	MORLEY, C	Cole Information
1990	Morley Christopher & Arden	Pacific Bell
1981	Fuller Philip & Jenny	Pacific Telephone

2398 MOUNTAIN AVE

Year	Uses	Source
2022	DALE VEDOMSKE	EDR Digital Archive
2017	DALE VEDOMSKE	Cole Information
2014	DALE VEDOMSKE	Cole Information

FINDINGS

Year	Uses	Source
2010	OCCUPANT UNKNOWN	Cole Information
2001	FINLEY Ann T	Haines & Company, Inc.
	HENRY Sharon	Haines & Company, Inc.
2000	ANN FINLEY	Cole Information
1977	Snider Bruno S	Pacific Telephone

2399 MOUNTAIN AVE

Year	Uses	Source
2022	WANG SHIAU	EDR Digital Archive
2017	ALLAN LEWIS	Cole Information
2014	ALLAN LEWIS	Cole Information
2010	ALLAN LEWIS	Cole Information
2005	ALLAN LEWIS	Cole Information
2001	LEWIS Allan	Haines & Company, Inc.

N MOUNTAIN AVE

2370 N MOUNTAIN AVE

Year	Uses	Source
1992	TAYLOR ROBERT CO	Cole Information

PACIFIC AVE

2077 PACIFIC AVE

Year	Uses	Source
2022	DUANE DEXTER	EDR Digital Archive
2017	DUANE DEXTER	Cole Information
2014	DUANE DEXTER	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	DUANE DEXTER	Cole Information
2001	DEXTER Duane	Haines & Company, Inc.
2000	DUANE DEXTER	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

FINDINGS

2091 PACIFIC AVE

Year	Uses	Source
2022	TENRIKYO WILSON CHURCH MISSIONARY CENTER	EDR Digital Archive
	MUTSUYO TORIZAWA	EDR Digital Archive
	SHIGEMI TORIZAWA	EDR Digital Archive
2017	SHIGEMI TORIZAWA	Cole Information
2014	TENRIKYO WILSON CHURCH MISSIONARY CE	Cole Information
	TORIZAWA SHIGEMI	Cole Information
2010	TENRIKYO WILSON CHR MISSIONARY	Cole Information
	SHIGEMI TORIZAWA	Cole Information
2005	SHIGEMI TORIZAWA	Cole Information
2001	TORIZAWASh Sgemi	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	MITOMI, JAMES	Cole Information
1993	Lantry J H	Pacific Bell
1992	LANTRY, JOHN H	Cole Information
1990	Lantry J H	Pacific Bell

2135 PACIFIC AVE

Year	Uses	Source
2022	QUICKSILVER TAXICAB	EDR Digital Archive
	ANGELINA JACOBO	EDR Digital Archive
	CHRISTOPHER POWELL	EDR Digital Archive
2017	BILL POWELL	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	SANDRA TOZZINI	Cole Information
1995	SMITH, VOL S	Cole Information
1993	Smith V S	Pacific Bell
	Smith Vance W & Thelma L	Pacific Bell
	Smith Vaughn T	Pacific Bell
1992	SMITH, VOL S	Cole Information
1990	Smith V S	Pacific Bell
1981	Smith V S	Pacific Telephone

FINDINGS

Year	Uses	Source
1977	Smith VS	Pacific Telephone

2145 PACIFIC AVE

Year	Uses	Source
2022	EDGAR CAMPBELL	EDR Digital Archive
	JUDITH SEELEY	EDR Digital Archive
2017	EDGAR CAMPBELL	Cole Information
2014	EDGAR CAMPBELL	Cole Information
2010	EDGAR CAMPBELL	Cole Information
2005	EDGAR CAMPBELL	Cole Information
2002	Campbell Edgar & Jo	SBC PACIFIC BELL
2001	OCAMPBELL Edgar	Haines & Company, Inc.
	CAMPBELLJo	Haines & Company, Inc.
2000	EDGAR CAMPBELL	Cole Information
1996	Campbell Edgar & Jo	Pacific Bell
1995	CAMPBELL, EDGAR	Cole Information
1993	Campbell Edgar & Jo	Pacific Bell
1992	CAMPBELL, EDGAR	Cole Information
1990	Campbell Edgar	Pacific Bell
1981	Campbell Edgar	Pacific Telephone
1977	Campbell Edgar	Pacific Telephone
1961	E S FREER	Luskey Brothers & Co.
1956	Chambers P E	Luskey Brothers & Co.

2177 PACIFIC AVE

Year	Uses	Source
2022	BENJAMIN CONRADO	EDR Digital Archive
	ELIZABETH CONRADO	EDR Digital Archive
2014	BENJAMIN CONRADO	Cole Information
2010	BENJAMIN CONRADO	Cole Information
2005	BENJAMIN CONRADO	Cole Information
2001	CONRADOBenlamn	Haines & Company, Inc.
2000	B CONRADO	Cole Information
1995	CONRADO, B	Cole Information

Year	Uses	Source
1993	Kirby H	Pacific Bell
1992	KIRBY, H	Cole Information
1990	Kirby H	Pacific Bell
1981	Kirby H	Pacific Telephone
1977	Kirby H	Pacific Telephone

2187 PACIFIC AVE

Year	Uses	Source
2022	HUGO CASTANEDA	EDR Digital Archive
	ELIZABETH SERRANO	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	DANIELLE DULLINGER	Cole Information
2005	FRANK KEOHANE	Cole Information
2001	6 KEOHANE Frank	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	WARREN, THOMAS W	Cole Information
1977	Wetenkamp John A	Pacific Telephone

2197 PACIFIC AVE

Year	Uses	Source
2022	TRISTIN MAGNESS	EDR Digital Archive
	ARTHUR MAGNESS	EDR Digital Archive
2017	ARTHUR MAGNESS	Cole Information
2014	ARTHUR MAGNESS	Cole Information
2010	ARTHUR MAGNESS	Cole Information
2005	ARTHUR MAGNESS	Cole Information
2001	RAZAVIDanush	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1977	Chiodo Jos J	Pacific Telephone

2231 PACIFIC AVE

Year	Uses	Source
2022	MARY GLUNT	EDR Digital Archive

FINDINGS

Year	Uses	Source
2022	BERNARD GLUNT	EDR Digital Archive
	MAY NICITA	EDR Digital Archive
2017	MAY NICITA	Cole Information
2014	BERNARD GLUNT	Cole Information
2010	MAY NICITA	Cole Information
2005	SCOTT JANSSEN	Cole Information
2001	JANSSEN Scolt	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1995	MESTAS, JIM	Cole Information
1993	Mestas Jim	Pacific Bell
	Mestas Raymond C	Pacific Bell
1992	MESTAS, JIM	Cole Information

2257 PACIFIC AVE

Year	Uses	Source
2022	DAN FISCHER	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	VALENTIN ROGOVEANU	Cole Information
2001	ROGOVEANUValeoi O	Haines & Company, Inc.
2000	V ROGOVEANU	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1981	Tibbits Earl R & Lorene D	Pacific Telephone
1977	Tibbits D Lorene	Pacific Telephone
	Tibbits Earl R	Pacific Telephone

2311 PACIFIC AVE

Year	Uses	Source
2022	PYONG CHA	EDR Digital Archive
	PETER CHA	EDR Digital Archive
	BYONG CHA	EDR Digital Archive
	BYUNG CHA	EDR Digital Archive
2017	BYONG CHA	Cole Information
2014	BYONG CHA	Cole Information

FINDINGS

Year	Uses	Source
2010	BYONG CHA	Cole Information
2005	BYONG CHA	Cole Information
2002	Cha Byong	SBC PACIFIC BELL
2001	CHACiedy	Haines & Company, Inc.
2000	OCCUPANT UNKNOWN	Cole Information
1996	Hull Jas C	Pacific Bell
1995	HULL, JAMES C	Cole Information
1993	Hull Jas C	Pacific Bell
1992	HULL, JAMES C	Cole Information
1990	Hull Jas C	Pacific Bell
1981	Hull Jas C	Pacific Telephone
1977	Hull Jas C	Pacific Telephone

Pacific Ave

2321 Pacific Ave

Year	Uses	Source
2017	MARET BOWER	Cole Information
2014	OCCUPANT UNKNOWN	Cole Information
2010	MARET BOWER	Cole Information
2005	MARET BOWER	Cole Information
2002	Mercer Michael T	SBC PACIFIC BELL
2001	MERCER Michael T	Haines & Company, Inc.
2000	DONALD KEZER	Cole Information
1996	Mercer Michael T	Pacific Bell
1995	MERCER, MICHAEL T	Cole Information
1993	Mercer Michael T	Pacific Bell
	Mercer S A	Pacific Bell
	Mercer TR	Pacific Bell
	Merchant E	Pacific Bell
1992	MERCER, MICHAEL T	Cole Information
1990	Mercer Michael T	Pacific Bell
1981	Mercer Michael T	Pacific Telephone

Year	Uses	Source
1977	Mercer Michael T	Pacific Telephone

PACIFIC ST

2077 PACIFIC ST

Year	Uses	Source
1970	Ooley Raymond P	Pacific Telephone

2091 PACIFIC ST

Year	Uses	Source
1970	H K Construction Corp	Pacific Telephone

2135 PACIFIC ST

Year	Uses	Source
1970	Conner Harold	Pacific Telephone

2145 PACIFIC ST

Year	Uses	Source
1970	Campbell Edgar	Pacific Telephone

2177 PACIFIC ST

Year	Uses	Source
1970	Cox Gall	Pacific Telephone
	Cox John L	Pacific Telephone

2231 PACIFIC ST

Year	Uses	Source
1970	Astbury Wm T	Pacific Telephone

2257 PACIFIC ST

Year	Uses	Source
1970	Barnett Glenn C	Pacific Telephone

2311 PACIFIC ST

Year	Uses	Source
1970	Hull Jas C	Pacific Telephone

2321 PACIFIC ST

Year	Uses	Source
1970	Hopkins Roy A	Pacific Telephone

PADDCK LN

1992 PADDCK LN

Year	Uses	Source
1970	Fowler Mildred	Pacific Telephone

2013 PADDCK LN

Year	Uses	Source
1970	Richards Patricia	Pacific Telephone
	Richards Wm W	Pacific Telephone

2030 PADDCK LN

Year	Uses	Source
1970	Jewell Michael D	Pacific Telephone

2090 PADDCK LN

Year	Uses	Source
1970	Jones Betty	Pacific Telephone

PADDOCK LN

1915 PADDOCK LN

Year	Uses	Source
2002	Bimrose Randall	SBC PACIFIC BELL
2001	BIMROSERa	Haines & Company, Inc.
	WATSON Wanda	Haines & Company, Inc.

1935 PADDOCK LN

Year	Uses	Source
2001	OBERG Rober	Haines & Company, Inc.
1981	Reeves Carl G	Pacific Telephone
1977	Reeves Carl G	Pacific Telephone

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1955 PADDOCK LN

Year	*Uses*	*Source*
2002	Souza Richard E	SBC PACIFIC BELL
2001	SOUZA Rchard E	Haines & Company, Inc.
1996	Souza Richard E	Pacific Bell
1993	Souza Richard E	Pacific Bell
	Sow a Donald	Pacific Bell
1990	Souza Richard E	Pacific Bell
1977	Souza Richard E	Pacific Telephone

1972 PADDOCK LN

Year	*Uses*	*Source*
2002	Parcell Chas E	SBC PACIFIC BELL
2001	PARCELLChas E	Haines & Company, Inc.
	PARCELLJuan	Haines & Company, Inc.
1996	Parcell Chas E	Pacific Bell
1993	Parcell Chas E	Pacific Bell
	Parcell G	Pacific Bell
	Parcell Juanita	Pacific Bell
1990	Parcell Chas E	Pacific Bell
1981	Parcell Chas E	Pacific Telephone
	Parcell Juanita	Pacific Telephone
1977	Parcell Chas E	Pacific Telephone
	Parcell Juanita	Pacific Telephone

1975 PADDOCK LN

Year	*Uses*	*Source*
2002	Gaggia Frank L Sr	SBC PACIFIC BELL
2001	GAGGIAFrank LSr	Haines & Company, Inc.
1996	Gaggia Frank L Sr	Pacific Bell
1993	Gaggia Frank L Sr	Pacific Bell
1981	TEK Financial	Pacific Telephone
	T G & Y Stores Co	Pacific Telephone

FINDINGS

1992 PADDOCK LN

Year	Uses	Source
2001	SLACEY Ronald	Haines & Company, Inc.
1977	Fowler Mildred	Pacific Telephone

1995 PADDOCK LN

Year	Uses	Source
2001	MCCLURE Parick	Haines & Company, Inc.

2010 PADDOCK LN

Year	Uses	Source
2022	MELVIN MUSHANEY	EDR Digital Archive
	KELLY MUSHANEY	EDR Digital Archive
	RICHARD MUSHANEY	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	CYNTHIA CROOM	Cole Information
2005	RICHARD CRANDELL	Cole Information
2001	GRANDELLRichard	Haines & Company, Inc.
2000	GAY CRANDELL	Cole Information
1996	McMann Michael	Pacific Bell
1995	MCMANN, MICHAEL	Cole Information
1992	MCMANN, MICHAEL	Cole Information
1990	McMann Michael	Pacific Bell
1981	Mc Mann Michael	Pacific Telephone
1977	Mc Mann Michael	Pacific Telephone
	Mc Masters D W Chase&Skyline Dr @Corona@	Pacific Telephone

2013 PADDOCK LN

Year	Uses	Source
2022	LISA CALAGNA	EDR Digital Archive
2017	ALAN WERHANE	Cole Information
2014	ALAN WERHANE	Cole Information
2010	ALAN WERHANE	Cole Information
2005	ALAN WERHANE	Cole Information
2001	WILSONBonelle	Haines & Company, Inc.

Year	Uses	Source
2000	BONELLE WILSON	Cole Information
1995	VASQUEZ, BONELLE	Cole Information

2030 PADDOCK LN

Year	Uses	Source
2022	LEGAL VISION CONSULTING GROUP	EDR Digital Archive
	SPENCER OSBORNE	EDR Digital Archive
	MICHELLE CANO	EDR Digital Archive
	CRAIG OSBORNE	EDR Digital Archive
2017	CRAIG OSBORNE	Cole Information
2014	ANDREA BROWN	Cole Information
2010	JESSICA BROWN	Cole Information
2005	JESSICA BROWN	Cole Information
2002	Bianchi Steven R	SBC PACIFIC BELL
2001	BIANCHISleven	Haines & Company, Inc.
2000	STEVEN BIANCHI	Cole Information
1996	Bianchi Steven R	Pacific Bell
1995	BIANCHI, STEVEN R	Cole Information
1992	BIANCHI, STEVEN	Cole Information

2033 PADDOCK LN

Year	Uses	Source
2022	NATALIE RIVERA	EDR Digital Archive
	ALLINA RIVERA	EDR Digital Archive
	JORGE RIVERA	EDR Digital Archive
	PRISCILLA RIVERA	EDR Digital Archive
	CESAR RIVERA	EDR Digital Archive
2017	CESAR RIVERA	Cole Information
2014	CESAR RIVERA	Cole Information
2010	CESAR RIVERA	Cole Information
2005	SUSAN PYLE	Cole Information
2001	PYLEDonnie	Haines & Company, Inc.
2000	DONNIE PYLE	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

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2050 PADDOCK LN

Year	Uses	Source
2022	PABLO SOTO	EDR Digital Archive
	PALMIRA SOTO	EDR Digital Archive
	FELIPE SOTO	EDR Digital Archive
2017	PABLO SOTO	Cole Information
2014	PABLO SOTO	Cole Information
2010	CYNTHIA POLLARD	Cole Information
2005	CYNTHIA POLLARD	Cole Information
2001	POLLARDCynthia	Haines & Company, Inc.
2000	CYNTHIA POLLARD	Cole Information
1995	FLYNN, KENNETH L	Cole Information

2053 PADDOCK LN

Year	Uses	Source
2022	JOHN BRUNO	EDR Digital Archive
	DEBRA BRUNO	EDR Digital Archive
2017	JOHN BRUNO	Cole Information
2014	JOHN BRUNO	Cole Information
2010	JOHN BRUNO	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2002	Bruno John & Debra	SBC PACIFIC BELL
2001	BRUNODebr	Haines & Company, Inc.
	BRUNOJohn	Haines & Company, Inc.
2000	JOHN BRUNO	Cole Information
1996	Bruno John & Debra	Pacific Bell
1995	BRUNO, JOHN	Cole Information
1992	BRUNO, JOHN	Cole Information
1990	Bruno John & Debra	Pacific Bell
1981	Jones Chas B	Pacific Telephone
1977	Jones Chas B	Pacific Telephone

2070 PADDOCK LN

Year	Uses	Source
2022	TOBY TOWNSEND	EDR Digital Archive

FINDINGS

Year	Uses	Source
2017	CHARLES TOWNSEND	Cole Information
2014	CHARLES TOWNSEND	Cole Information
2010	CHARLES TOWNSEND	Cole Information
2005	CHARLES TOWNSEND	Cole Information
2002	Townsend Chas D	SBC PACIFIC BELL
2001	TOWNSENDChas D	Haines & Company, Inc.
2000	CHARLES TOWNSEND	Cole Information
1996	Townsend Chas D	Pacific Bell
1995	TOWNSEND, CHARLES D	Cole Information
1993	Townsend Chas D	Pacific Bell
1992	TOWNSEND, CHARLES D	Cole Information
1990	Townsend Chas D	Pacific Bell
1981	Townsend Chas D	Pacific Telephone
1977	Townsend Chas D	Pacific Telephone

2073 PADDOCK LN

Year	Uses	Source
2022	TRAVIS UNWIN	EDR Digital Archive
	TAYLOR HOCK	EDR Digital Archive
2017	MARK MUCKENTHALER	Cole Information
2014	MARK MUCKENTHALER	Cole Information
2010	MARK MUCKENTHALER	Cole Information
2005	KEVIN SOUTHERLAND	Cole Information
2001	SOUTHERLAND Kevn	Haines & Company, Inc.
1995	SMYTHE, KEN	Cole Information
1981	Connors Linda	Pacific Telephone
	Connors Michael J Jr	Pacific Telephone

2090 PADDOCK LN

Year	Uses	Source
2022	ROBERT RINEER	EDR Digital Archive
	BRITTANY RINEER	EDR Digital Archive
	SO CAL ENGINEERING	EDR Digital Archive
2017	ROBERT RINEER	Cole Information

Year	Uses	Source
2014	ROBERT RINEER	Cole Information
2010	MATTHEW MONDAY	Cole Information
2005	DARRYL DAUGHERTY	Cole Information
2001	MONDAY Wayne	Haines & Company, Inc.
1996	Dinkel Tim & Cynthia	Pacific Bell
1995	CRAMER, SUSAN	Cole Information
1990	Melton Joyce	Pacific Bell
1981	Monday Wayne	Pacific Telephone
1977	Saviers C J	Pacific Telephone

2093 PADDOCK LN

Year	Uses	Source
2022	DUSTIN ARNOLD	EDR Digital Archive
	BRITTANY ARNOLD	EDR Digital Archive
	COLBY ARNOLD	EDR Digital Archive
	ANA ARNOLD	EDR Digital Archive
	BRUCE ARNOLD	EDR Digital Archive
2017	BRUCE ARNOLD	Cole Information
2014	OCCUPANT UNKNOWN	Cole Information
2010	MICHAEL STEFANO	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2001	SHIRK Rchard	Haines & Company, Inc.
1995	OCCUPANT UNKNOWNN	Cole Information
1981	Fichtner David A	Pacific Telephone
	Prenger Don	Pacific Telephone
1977	Fichtner Donald	Pacific Telephone

RIDING RING RD

2631 RIDING RING RD

Year	Uses	Source
2017	ROBERT MONTGOMERY	Cole Information
2014	DIANE SIMMONS	Cole Information
2010	DIANE SIMMONS	Cole Information

FINDINGS

Year	Uses	Source
2005	KENNETH SIMMONS	Cole Information
2001	SIMMONSKennelh	Haines & Company, Inc.

2691 RIDING RING RD

Year	Uses	Source
2022	SUMMER GONZALEZ	EDR Digital Archive
2017	DARWIN VANSTEENWYK	Cole Information
2014	DARWIN VANSTEENWYK	Cole Information
2010	KIM VANSTEENWYK	Cole Information
2005	KIM VANSTEENWYK	Cole Information
2002	Van Steenw yk K	SBC PACIFIC BELL
2001	VANSTEENWYKDaw ien	Haines & Company, Inc.
	VANSTEENWYKK	Haines & Company, Inc.
2000	K VANSTEENWYK	Cole Information
1996	Van Steenw yk K	Pacific Bell
1995	VANSTEENWYK, DARWIN	Cole Information
1993	Van Steenw yk Darw in	Pacific Bell
1992	VANSTEENWYK, DARWIN	Cole Information
1990	Van Steenw yk Darw in	Pacific Bell
1981	Van Steenw yk Darw in L	Pacific Telephone
1977	Van Steenw yk Darw in	Pacific Telephone

FINDINGS

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	Address Not Identified in Research Source
1900 3RD	2022, 2020, 2017, 2014, 2010, 2005, 2001, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1900 3RD ST	2020, 2017, 2014, 2005, 2002, 2000, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1915 PADDOCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1935 PADDOCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1951 3rd St	2020, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1955 PADDOCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2000, 1995, 1992, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1972 PADDOCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2000, 1995, 1992, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1975 PADDOCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2000, 1995, 1992, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1990 3RD ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1992 PADDCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1992 PADDOCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
1995 PADDOCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2010 PADDOCK LN	2020, 2017, 2002, 1993, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2013 PADDCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2013 PADDOCK LN	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2030 PADDCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2030 PADDOCK LN	2020, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2033 PADDOCK LN	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2050 PADDOCK LN	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2051 INDIAN HORSE DR	2020, 2010, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2053 PADDOCK LN	2020, 1993, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2061 INDIAN HORSE DR	2020, 2002, 2000, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2070 PADDOCK LN	2020, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2071 INDIAN HORSE DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2071 MOUNTAIN AVE	2020, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2073 PADDOCK LN	2020, 2002, 2000, 1996, 1993, 1992, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2077 PACIFIC AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2077 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2090 PADDCK LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2090 PADDOCK LN	2020, 2002, 2000, 1993, 1992, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2091 MOUNTAIN AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2091 PACIFIC AVE	2020, 2002, 1996, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2091 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2093 PADDOCK LN	2020, 2002, 2000, 1996, 1993, 1992, 1990, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2115 MOUNTAIN AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2116 MOUNTAIN AVE	2020, 1986, 1977, 1970, 1967, 1966, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2121 MOUNTAIN AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2131 MOUNTAIN AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2135 PACIFIC AVE	2020, 2014, 2010, 2002, 2001, 1996, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2135 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2145 PACIFIC AVE	2020, 1986, 1970, 1967, 1966, 1960, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2145 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2171 INDIAN HORSE DR	2020, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2177 PACIFIC AVE	2020, 2017, 2002, 1996, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2177 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2180 INDIAN HORSE DR	2020, 2002, 1996, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2180 INDIANR HORSE DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2181 CABALLEROS DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2181 CABALLEROS RD	2020, 2002, 2001, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2187 PACIFIC AVE	2020, 2017, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2190 CABALLEROS DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2190 CABALLEROS RD	2020, 2002, 2001, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2191 INDIAN HORSE DR	2020, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2197 PACIFIC AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2201 CABALLEROS DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2201 CABALLEROS RD	2020, 2002, 2001, 1996, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2205 CABALLEROS RD	2022, 2020, 2017, 2014, 2010, 2002, 2001, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2206 INDIAN HORSE DR	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2210 CABALLEROS DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2210 CABALLEROS RD	2020, 2002, 2001, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2210 CHATTERTON LN	2020, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2211 INDIAN HORSE DR	2020, 2017, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2220 INDIAN HORSE DR	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2231 CABALLEROS DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2231 CABALLEROS RD	2020, 2010, 2001, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2231 INDIAN HORSE DR	2020, 2017, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2231 PACIFIC AVE	2020, 2002, 1996, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2231 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2240 CABALLEROS DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1992, 1990, 1986, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2240 CABALLEROS RD	2020, 2001, 1995, 1993, 1992, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2240 CHATTERTON LN	2020, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2245 CHATTERTON LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2251 INDIAN HORSE DR	2020, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2257 PACIFIC AVE	2020, 2017, 2002, 1996, 1993, 1992, 1990, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2257 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2260 CHATTERTON LN	2020, 2002, 2000, 1996, 1993, 1992, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2270 CABALLEROS DR	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2000, 1996, 1995, 1992, 1990, 1986, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2270 CABALLEROS RD	2020, 2002, 2001, 2000, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2271 INDIAN HORSE DR	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2280 CHATTERTON LN	2020, 2014, 2002, 2000, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2291 INDIAN HORSE DR	2020, 2002, 2000, 1996, 1993, 1992, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2311 INDIAN HORSE DR	2020, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2311 PACIFIC AVE	2020, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2311 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2320 CHATTERTON LN	2020, 2002, 2000, 1996, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2321 Pacific Ave	2022, 2020, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2321 PACIFIC ST	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2325 CHATTERTON LN	2020, 2002, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2330 MOUNTAIN AVE	2020, 2000, 1996, 1993, 1990, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2340 CHATTERTON LN	2020, 2005, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2340 MOUNTAIN AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2345 CHATTERTON LN	2020, 2002, 1996, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2355 CHATTERTON LN	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2360 CHATTERTON LN	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2360 MOUNTAIN AVE	2020, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2365 CHATTERTON LN	2020, 2017, 2002, 2001, 1996, 1993, 1992, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2365 E CHATTERTON LN	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2370 MOUNTAIN AVE	2020, 1996, 1993, 1992, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2370 N MOUNTAIN AVE	2022, 2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1996, 1995, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2380 CHATTERTON LN	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2380 MOUNTAIN AVE	2020, 2017, 2002, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2381 MOUNTAIN AVE	2020, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2390 MOUNTAIN AVE	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2391 MOUNTAIN AVE	2020, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2398 MOUNTAIN AVE	2020, 2005, 2002, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2399 MOUNTAIN AVE	2020, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2421 CHATTERTON LN	2020, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2440 CHATTERTON LN	2020, 2002, 1996, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2461 CHATTERTON LN	2020, 2002, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2480 CHATTERTON LN	2020, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2501 CHATTERTON LN	2020, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2567 CHATTERTON LN	2020, 2002, 2000, 1996, 1995, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2631 RIDING RING RD	2022, 2020, 2002, 2000, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2691 RIDING RING RD	2020, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

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	Address Not Identified in Research Source
2001 Third St	2020, 2002, 1996, 1995, 1993, 1992, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

APPENDIX D

ENVIRONMENTAL DATABASE INFORMATION

Norco College
2001 Third St
Norco, CA 92860

Inquiry Number: 8124730.2s
September 30, 2025

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

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).
The results of this search follow:

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

TARGET PROPERTY SEARCH RESULTS

STANDARD ENVIRONMENTAL RECORDS

Site	Map ID / Direction / Distance / Distance ft. / Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
NORCO COLLEGE 2001 THIRD ST NORCO, CA 92860 1032201098	A1 TP																													
RIVERSIDE COMMUNITY CAMPUS -RCC NORCO CAMPUS 2001 WEST 3RD STREET NORCO, CA 92860 1032267863	A2 TP																													
RIVERSIDE COMMUNITY COLLEGE-NORCO 2001 THIRD STREET NORCO, CA 92860 1032267864	A3 TP																													
RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 1010727971	A4 TP																													
RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 S121668672	A5 TP																													
RCC-NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 1023314042	A6 TP																													

ADDITIONAL ENVIRONMENTAL RECORDS

Site	Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
NORCO COLLEGE	A1																																																																							
RIVERSIDE COMMUNITY CAMPUS -RCC NORCO CAMPUS	A2																																																																							
RIVERSIDE COMMUNITY COLLEGE-NORCO	A3																																																																							
RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS	A4																																																												X										
RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS	A5																																																																							
RCC-NORCO CAMPUS	A6																																																												X										

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

TARGET PROPERTY SEARCH RESULTS

STANDARD ENVIRONMENTAL RECORDS

Site	Map ID / Direction / Distance / Distance ft. / Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
RCCD NORCO CAMPUS SOCCER FIELD COMPLEX PHASE 1 2001 3RD ST NORCO, CA 92860 S121666968	A7 TP																													
JFK MIDDLE COLLEGE HIGH SCHOOL 2001 3RD ST CORONA, CA 92860 S121647322	A8 TP																													
RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 S105749954	A9 TP																		X									X		
NORCO COLLEGE 2001 3RD ST NORCO, CA 92860 1024657508	A10 TP																													
RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 1024791871	A11 TP																													
ARAKELIAN ENTERPRISES DBA ATHENS SERVICES 2001 3RD STREET NORCO, CA 92860 1024403727	A12 TP																													

ADDITIONAL ENVIRONMENTAL RECORDS

Site	Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR
RCCD NORCO CAMPUS SOCCER FIELD COMPLEX PHASE 1	A7																												
JFK MIDDLE COLLEGE HIGH SCHOOL	A8																												
RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS	A9										X				X				X				X						
NORCO COLLEGE	A10																												
RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS	A11																												X
ARAKELIAN ENTERPRISES DBA ATHENS SERVICES	A12																												

Site	Map ID	FUDS	DOD	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
RCCD NORCO CAMPUS SOCCER FIELD COMPLEX PHASE 1	A7																																											
JFK MIDDLE COLLEGE HIGH SCHOOL	A8																																											
RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS	A9																																											
NORCO COLLEGE	A10																																	X	X									
RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS	A11																																											
ARAKELIAN ENTERPRISES DBA ATHENS SERVICES	A12																																	X										

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

TARGET PROPERTY SEARCH RESULTS

STANDARD ENVIRONMENTAL RECORDS

Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
JFK MIDDLE COLLEGE HIGH SCHOOL 2001 3RD ST CORONA, CA 92860 1023688390	A13 TP																													
NORCO COLLEGE 2001 THIRD STREET NORCO, CA 92860 S111828634	A14 TP																													
RIVERSIDE COMMUNITY CAMPUS - NORCO CAMPUS 2001 WEST 3RD STREET NORCO, CA 92860 1032267862	A15 TP																													
NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 S113064360	A16 TP																									X				

ADDITIONAL ENVIRONMENTAL RECORDS

Site	Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD
JFK MIDDLE COLLEGE HIGH SCHOOL 2001 3RD ST CORONA, CA 92860 1023688390	A13 TP																														
NORCO COLLEGE 2001 THIRD STREET NORCO, CA 92860 S111828634	A14 TP																														
RIVERSIDE COMMUNITY CAMPUS - NORCO CAMPUS 2001 WEST 3RD STREET NORCO, CA 92860 1032267862	A15 TP																														
NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 S113064360	A16 TP																														

Site	Map ID	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
JFK MIDDLE COLLEGE HIGH SCHOOL 2001 3RD ST CORONA, CA 92860 1023688390	A13 TP																															X	X									
NORCO COLLEGE 2001 THIRD STREET NORCO, CA 92860 S111828634	A14 TP																																									
RIVERSIDE COMMUNITY CAMPUS - NORCO CAMPUS 2001 WEST 3RD STREET NORCO, CA 92860 1032267862	A15 TP																																									
NORCO CAMPUS 2001 3RD ST NORCO, CA 92860 S113064360	A16 TP																																									

SURROUNDING SITES SEARCH RESULTS

Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT NORCO , CA CUSA401218	Region NNE < 1/8 65 ft.																													

Site	Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT NORCO , CA CUSA401218	Region NNE < 1/8 65 ft.																														X

Site	Map ID	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT NORCO , CA CUSA401218	Region NNE < 1/8 65 ft.																																									

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

SURROUNDING PROPERTY SEARCH RESULTS

STANDARD ENVIRONMENTAL RECORDS

Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
NAVAL ORDNANCE LABORATORY NORCO, CA 1024714147	B17 < 1/8 1 ft. 646 ft. Higher																													
NAVAL ORDNANCE LAB CORONA, CA S107736845	B18 < 1/8 1 ft. 647 ft. Higher																		X											
NAVAL ORDNANCE LAB NORCO, CA 1018283080	B19 < 1/8 1 ft. 646 ft. Higher																													
CORONA ANNEX NORCO, CA 1024713877	C20 < 1/8 1 ft. 623 ft. Lower																													
CORONA ANNEX NORCO, CA 1007212248	C21 < 1/8 1 ft. 623 ft. Lower																													

ADDITIONAL ENVIRONMENTAL RECORDS

Site	Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD
NAVAL ORDNANCE LABORATORY	B17																														
NAVAL ORDNANCE LAB	B18																														
NAVAL ORDNANCE LAB	B19																													X	
CORONA ANNEX	C20																														
CORONA ANNEX	C21																													X	

Site	Map ID	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
NAVAL ORDNANCE LABORATORY	B17																																		X							
NAVAL ORDNANCE LAB	B18																																									
NAVAL ORDNANCE LAB	B19																																									
CORONA ANNEX	C20																																		X							
CORONA ANNEX	C21																																									

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

SURROUNDING PROPERTY SEARCH RESULTS

STANDARD ENVIRONMENTAL RECORDS

Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
KENNEDY MIDDLE COLLEGE HIGH SCHOOL THIRD STREET NORCO, CA 92860 S105754264	B22 East < 1/8 234 ft. 641 ft. Higher																		X											
2398 MOUNTAIN AVE 2398 MOUNTAIN AVE NORCO, CA 92860 1028887256	23 SE < 1/8 498 ft. 624 ft. Lower																													
CORONA-NORCO USD KENNEDY MIDDLE COLLEGE HIGH SCHOOL 1951 3RD ST NORCO, CA 92860 1024831573	24 East 1/8-1/4 717 ft. 694 ft. Higher																													
SHARON TIGER 2360 MOUNTAIN AVE NORCO, CA 92860 1031465051	25 SSE 1/8-1/4 810 ft. 625 ft. Higher																													
JOYCE E NELSON 2231 CABALLEROS RD NORCO, CA 92860 1026717925	26 WSW 1/8-1/4 891 ft. 615 ft. Lower																													

ADDITIONAL ENVIRONMENTAL RECORDS

Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR
B22											X																	
23																												X
24																												X
25																												X
26																												X

Map ID	FUDS	DOD	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
B22																																											
23																																											
24																																											
25																																											
26																																											

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

SURROUNDING PROPERTY SEARCH RESULTS

STANDARD ENVIRONMENTAL RECORDS

Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
DEAN HANNEMAN 2171 IINDIAN HORSE DR. NORCO, CA 92860 1024763225	D27 SW 1/8-1/4 987 ft. 591 ft. Lower																													
DANIEL YAKEL 2135 PACIFIC AVENUE NORCO, CA 92860 1026483169	D28 SSW 1/8-1/4 1060 ft. 587 ft. Lower																													
SUMMER GONZLEZ 2691 RIDING RING ROAD NORCO, CA 92860 1032320131	D29 SW 1/8-1/4 1211 ft. 589 ft. Lower																													
2691 RIDING RING ROAD 2691 RIDING RING ROAD NORCO, CA 92860 1027521230	D30 SW 1/8-1/4 1211 ft. 589 ft. Lower																													
CORONA NAVAL WEAPONS STATION IN THE CITY OF NORCO WEST OF I-15 BETWEEN 5TH STREET AND 3RD NORCO, CA 92860 S109034294	31 North 1/4-1/2 1590 ft. 653 ft. Higher																	X	X											

ADDITIONAL ENVIRONMENTAL RECORDS

Site	Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
DEAN HANNEMAN	D27																												X																																											
DANIEL YAKEL	D28																												X																																											
SUMMER GONZLEZ	D29																																																																							
2691 RIDING RING ROAD	D30																												X																																											
CORONA NAVAL WEAPONS STATION	31																																																																							

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

SURROUNDING PROPERTY SEARCH RESULTS

STANDARD ENVIRONMENTAL RECORDS

Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 U001569928	E32 ENE 1/4-1/2 2094 ft. 618 ft. Lower																				X									
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 S104755098	E33 ENE 1/4-1/2 2094 ft. 618 ft. Lower																				X									
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 1029117815	E34 ENE 1/4-1/2 2094 ft. 618 ft. Lower																													
CHEVRON STATION NO 93830 2740 HAMNER AVE NORCO, CA 92860 1000111932	F35 NE 1/4-1/2 2611 ft. 619 ft. Lower											X									X									
CHEVRON #9-3830 2740 HAMNER AVE NORCO, CA 91760 1028933588	F36 NE 1/4-1/2 2611 ft. 619 ft. Lower																													

ADDITIONAL ENVIRONMENTAL RECORDS

Site	Map ID Direction Distance Distance ft. Elevation ft.	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 U001569928	E32 ENE 1/4-1/2 2094 ft. 618 ft. Lower																	X																		
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 S104755098	E33 ENE 1/4-1/2 2094 ft. 618 ft. Lower														X				X																	
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 1029117815	E34 ENE 1/4-1/2 2094 ft. 618 ft. Lower																																			
CHEVRON STATION NO 93830 2740 HAMNER AVE NORCO, CA 92860 1000111932	F35 NE 1/4-1/2 2611 ft. 619 ft. Lower																																			
CHEVRON #9-3830 2740 HAMNER AVE NORCO, CA 91760 1028933588	F36 NE 1/4-1/2 2611 ft. 619 ft. Lower																																			

Site	Map ID Direction Distance Distance ft. Elevation ft.	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 U001569928	E32 ENE 1/4-1/2 2094 ft. 618 ft. Lower																																				
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 S104755098	E33 ENE 1/4-1/2 2094 ft. 618 ft. Lower																																				
THRIFTY OIL #338 2600 HAMNER AVE NORCO, CA 91760 1029117815	E34 ENE 1/4-1/2 2094 ft. 618 ft. Lower																																				
CHEVRON STATION NO 93830 2740 HAMNER AVE NORCO, CA 92860 1000111932	F35 NE 1/4-1/2 2611 ft. 619 ft. Lower																										X	X									
CHEVRON #9-3830 2740 HAMNER AVE NORCO, CA 91760 1028933588	F36 NE 1/4-1/2 2611 ft. 619 ft. Lower																																				

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

STANDARD ENVIRONMENTAL RECORDS

SURROUNDING PROPERTY SEARCH RESULTS Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
STATER BROS MARKETS #44 2790 HAMNER AVE NORCO, CA 92860 S113797938	37 NE 1/4-1/2 2626 ft. 625 ft. Higher																													
NORCO NORCO, CA S107736908	G38 NNE 1/2-1 2972 ft. 662 ft. Higher																		X											
NORCO USARC NORCO, CA 1024903428	G39 NNE 1/2-1 2972 ft. 662 ft. Higher																													
NORCO MAIN RANCH INC 1811 MOUNTAIN AVE NORCO, CA 91760 U001569920	40 SSE 1/2-1 3168 ft. 597 ft. Lower																		X											
NORCO RANCH 1661 MOUNTAIN AVENUE NORCO, CA 92860 S111022967	41 SSE 1/2-1 3625 ft. 596 ft. Lower																		X									X		

ADDITIONAL ENVIRONMENTAL RECORDS

Site	Map ID	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD
STATER BROS MARKETS #44	37			X																											
NORCO	G38																														
NORCO USARC	G39																													X	
NORCO MAIN RANCH INC	40																X	X							X						
NORCO RANCH	41																														

Site	Map ID	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
STATER BROS MARKETS #44	37																																									
NORCO	G38																																									
NORCO USARC	G39																																									
NORCO MAIN RANCH INC	40																																									
NORCO RANCH	41																																									

EXECUTIVE SUMMARY

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860
Elevation: 625 ft.
EDR Inquiry Number: 8124730.2s

SURROUNDING PROPERTY SEARCH RESULTS

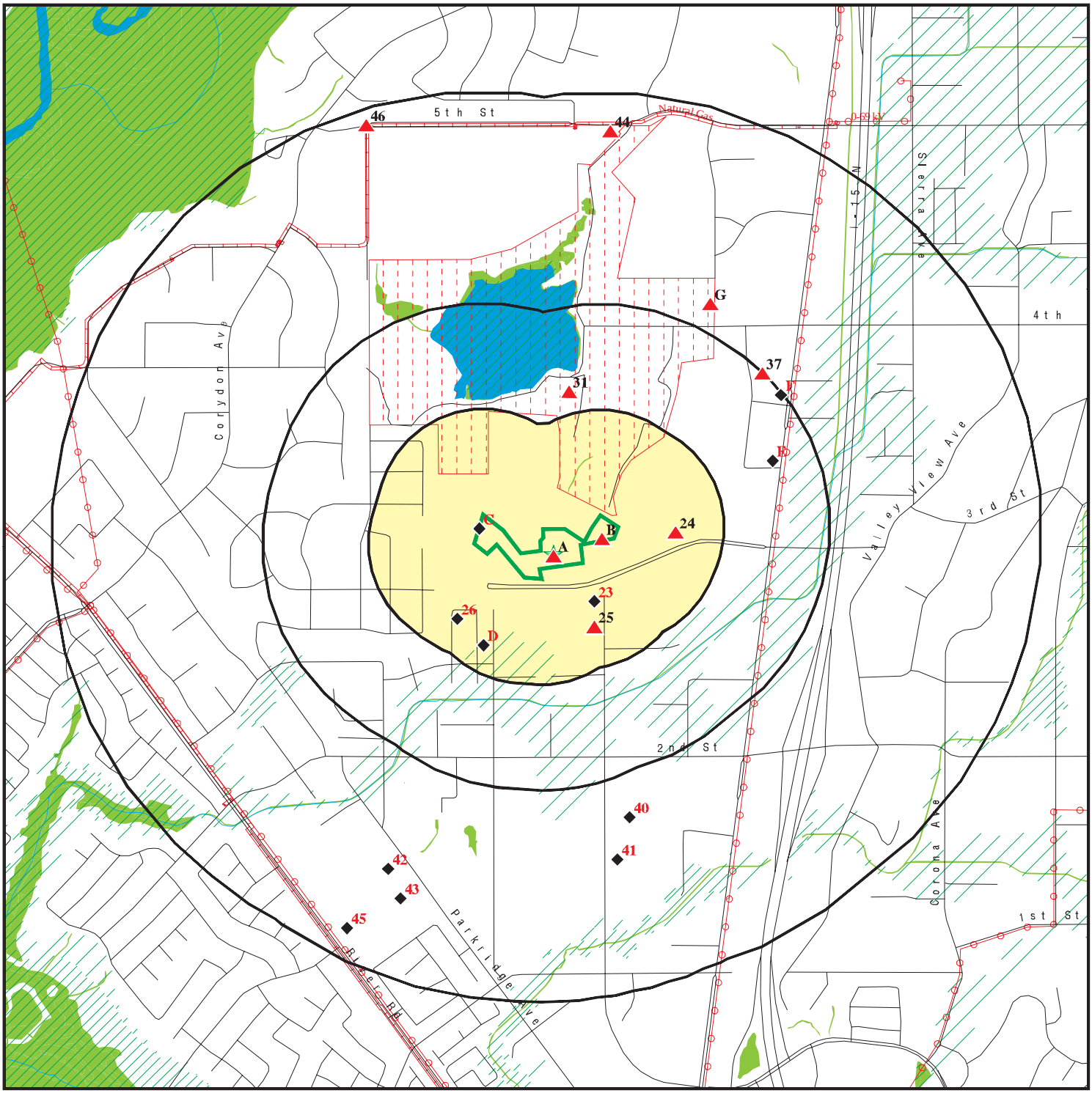
STANDARD ENVIRONMENTAL RECORDS

Site	Map ID Direction Distance Distance ft. Elevation ft.	NPL	Proposed NPL	NPL LIENS	Delisted NPL	FEDERAL FACILITY	SEMS	SEMS-ARCHIVE	CORRACTS	RCRA-TSDF	RCRA-LQG	RCRA-SQG	RCRA-VSQG	LUCIS	US ENG CONTROLS	US INST CONTROLS	ERNS	RESPONSE	ENVIROSTOR	SWF/LF	LUST	INDIAN LUST	CPS-SLIC	FEMA UST	UST	AST	INDIAN UST	VCP	INDIAN VCP	BROWNFIELDS
VICTRESS BOWER ELEMENTARY SCHOOL 1250 WEST PARKRIDGE AVENUE CORONA, CA 92880 S129064239	42 SSW 1/2-1 4012 ft. 602 ft. Lower																		X											
WASHINGTON ELEMENTARY SCHOOL 1220 WEST PARKRIDGE AVENUE NORCO, CA 92860 S126330258	43 SSW 1/2-1 4293 ft. 603 ft. Lower																		X											
NORCO INGALLS HALL USAR 2400 5TH STREET NORCO, CA 91760 S103393793	44 North 1/2-1 4794 ft. 683 ft. Higher																		X											
AUBURNDALE INTERMEDIATE SCHOOL 1255 RIVER ROAD CORONA, CA 92878 S129064238	45 SSW 1/2-1 4901 ft. 599 ft. Lower																		X											
CDCR - CALIFORNIA REHABLITATION CENTER NORCO 5TH ST AND WESTERN NORCO, CA 92680 1008152334	46 NNW 1/2-1 5072 ft. 626 ft. Higher																													

ADDITIONAL ENVIRONMENTAL RECORDS

Site	US BROWNFIELDS	WMUDS/SWAT	SWRCY	HAULERS	INDIAN ODI	DEBRIS REGION 9	ODI	IHS OPEN DUMPS	US HIST CDL	HIST Cal-Sites	SCH	CDL	Toxic Pits	CERS HAZ WASTE	US CDL	SWEEPS UST	HIST UST	CERS TANKS	CA FID UST	LIENS	LIENS 2	DEED	HMIRS	CHMIRS	LDS	MCS	SPILLS 90	RCRA NonGen / NLR	FUDS	DOD	SCRD DRYCLEANERS	US FIN ASSUR	EPA WATCH LIST	2020 COR ACTION	TSCA	TRIS	SSTS	ROD	RMP	RAATS	PRP	PADS	ICIS	FTTS	MLTS	COAL ASH DOE	COAL ASH EPA	PCB TRANSFORMER	RADINFO	HIST FTTS	DOT OPS	CONSENT	INDIAN RESERV	FUSRAP	UMTRA	LEAD SMELTERS	US AIRS	US MINES	ABANDONED MINES	MINES MRDS	FINDS	ECHO	DOCKET HWC	UXO	FUELS PROGRAM	PFAS NPL	PFAS FEDERAL SITES	PFAS TSCA	PFAS TRIS	PFAS RCRA MANIFEST	PFAS ATSDR
VICTRESS BOWER ELEMENTARY SCHOOL											X																																																													
WASHINGTON ELEMENTARY SCHOOL											X																																																													
NORCO INGALLS HALL USAR																																																																								
AUBURNDALE INTERMEDIATE SCHOOL											X																																																													
CDCR - CALIFORNIA REHABLITATION CENTER NORCO																																																																								

OVERVIEW MAP - 8124730.2S

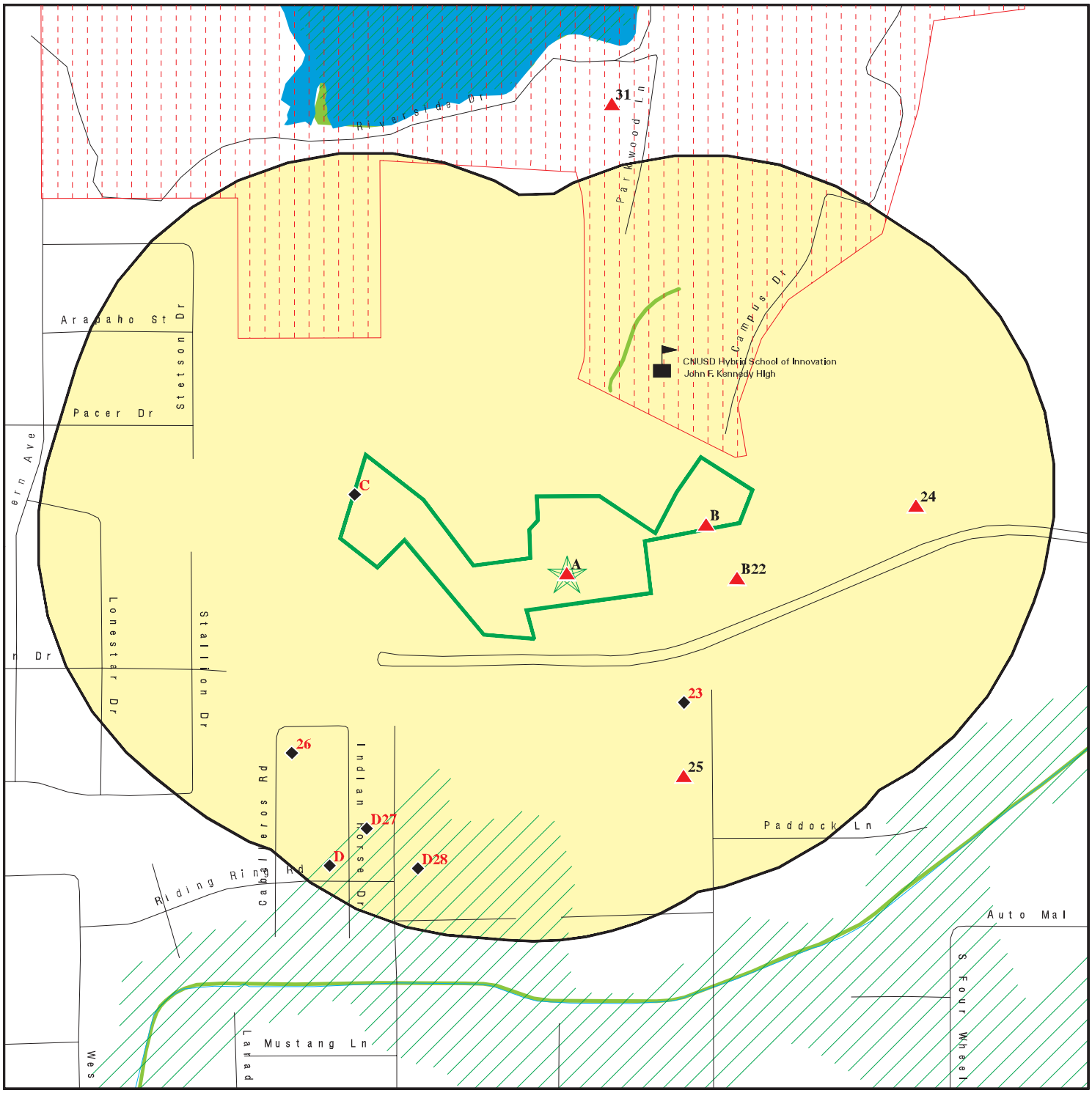


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- 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: Norco College	CLIENT: Terracon
ADDRESS: 2001 Third St Norco CA 92860	CONTACT: Baylie Zemke
LAT/LONG: 33.916356 / 117.568947	INQUIRY #: 8124730.2s DATE: September 30, 2025 10:13 am

DETAIL MAP - 8124730.2S



- 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
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- 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: Norco College	CLIENT: Terracon
ADDRESS: 2001 Third St Norco CA 92860	CONTACT: Baylie Zemke INQUIRY #: 8124730.2s
LAT/LONG: 33.916356 / 117.568947	DATE: September 30, 2025 10:14 am

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								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	1	0	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000	1	2	0	1	7	NR	11
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	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
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	3	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250	1	0	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500	1	0	0	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000	1	0	0	0	0	NR	1
SCH	0.250		1	0	NR	NR	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250	1	0	0	NR	NR	NR	1
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250	1	0	0	NR	NR	NR	1
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	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
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500	1	0	0	0	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	1	6	NR	NR	NR	8
FUDS	1.000		2	0	0	1	NR	3
DOD	1.000		1	0	0	0	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	TP	5	NR	NR	NR	NR	NR	5
ECHO	TP	2	NR	NR	NR	NR	NR	2
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		2	0	0	0	NR	2
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	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
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	2	NR	NR	2
E MANIFEST	0.250	5	1	3	NR	NR	NR	9
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
Cortese	0.500		0	0	2	NR	NR	2
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP	1	NR	NR	NR	NR	NR	1
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	2	NR	NR	2
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
HAZNET	TP	1	NR	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	2	NR	NR	NR	NR	NR	2
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	1	0	NR	1
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	4	NR	NR	NR	NR	NR	4
CERS	TP	2	NR	NR	NR	NR	NR	2
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	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
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	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		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		31	10	9	13	9	0	72

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **NORCO COLLEGE** **E MANIFEST** **1032201098**
Target **2001 THIRD ST** **N/A**
Property **NORCO, CA 92860**

Site 1 of 16 in cluster A

Actual:
625 ft.

E MANIFEST:

Manifest Tracking Number:	017548411JJK
Last Updated Date:	20190403
Shipped Date:	20180824
Received Date:	20180828
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Mail
Generator EPA ID:	CAL000113053
Generator Name:	Norco College
Generator Location Street 1:	2001 THIRD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD ST
Generator Mail City:	Norco
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD028409019
Designated Facility Name:	Crosby & Overton
Designated Facility Mail Street 1:	CA90813 CA037US 1630
Designated Facility Mail Street 2:	1630 W. 17TH STREET
Designated Facility Mail City:	LONG BEACH
Designated Facility Mail Zip:	90813
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1630 W. 17TH STREET
Designated Facility Location City:	LONG BEACH
Designated Facility Location Zip:	90813-0000
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	017548411JJK
Transporter Line Number:	1
Transporter EPA ID:	CAR000183574
Transporter Name:	Environmental Mngmt Technologies Inc

Waste Line:

Manifest Tracking Number:	017548411JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1198
U.S. DOT Description:	Un1198, Waste Formaldehyde, Soluions, Flammable, 3, (8), Pgiii
Number of Containers:	1
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	200
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.1
Acute Waste Quantity, in Tons:	0

NORCO COLLEGE (Continued) **1032201098**

Non-Acute Waste Quantity, in Tons:	0.1
Waste Quantity, in Kilograms:	90.703
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	90.703
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, D002
Quantity Haz Kg:	90.703
Quantity Haz Tons:	0.1
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	CA-551

Manifest Tracking Number:	017548411JJK
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1198
U.S. DOT Description:	Un1198, Waste Formaldehyde, Solutions, Flammable, 3, (8), Pgiii
Number of Containers:	1
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	200
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.1
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.1
Waste Quantity, in Kilograms:	90.703
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	90.703
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, D002
Quantity Haz Kg:	90.703
Quantity Haz Tons:	0.1
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	CA-551

A2 **RIVERSIDE COMMUNITY CAMPUS -RCC NORCO CAMPUS** **E MANIFEST** **1032267863**
Target **2001 WEST 3RD STREET** **N/A**
Property **NORCO, CA 92860**

Site 2 of 16 in cluster A

Actual: **625 ft.**

E MANIFEST:

Manifest Tracking Number:	026357141JJK
Last Updated Date:	20240318
Shipped Date:	20240221
Received Date:	20240229

RIVERSIDE COMMUNITY CAMPUS -RCC NORCO CAMPUS (Continued) **1032267863**

Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community Campus -Rcc Norco Campus
Generator Location Street 1:	2001 WEST 3RD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 WEST 3RD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD028409019
Designated Facility Name:	Crosby & Overton
Designated Facility Mail Street Number:	1630
Designated Facility Mail Street 2:	W. 17TH STREET
Designated Facility Mail City:	LONG BEACH
Designated Facility Mail Zip:	90813
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	1630
Designated Facility Location Street 1:	W. 17TH STREET
Designated Facility Location City:	LONG BEACH
Designated Facility Location Zip:	90813
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026723266JJK
Last Updated Date:	20240925
Shipped Date:	20240909
Received Date:	20240912
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community Campus -Rcc Norco Campus
Generator Location Street 1:	2001 WEST 3RD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 WEST 3RD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD028409019
Designated Facility Name:	Crosby & Overton
Designated Facility Mail Street Number:	1630
Designated Facility Mail Street 2:	W. 17TH STREET
Designated Facility Mail City:	LONG BEACH
Designated Facility Mail Zip:	90813
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	1630
Designated Facility Location Street 1:	W. 17TH STREET
Designated Facility Location City:	LONG BEACH
Designated Facility Location Zip:	90813
Designated Facility Location State:	CA

RIVERSIDE COMMUNITY CAMPUS -RCC NORCO CAMPUS (Continued) **1032267863**

Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	025300798JJK
Last Updated Date:	20241106
Shipped Date:	20241018
Received Date:	20241022
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community Campus -Rcc Norco Campus
Generator Location Street 1:	2001 WEST 3RD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 WEST 3RD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD028409019
Designated Facility Name:	Crosby & Overton
Designated Facility Mail Street Number:	1630
Designated Facility Mail Street 2:	W. 17TH STREET
Designated Facility Mail City:	LONG BEACH
Designated Facility Mail Zip:	90813
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	1630
Designated Facility Location Street 1:	W. 17TH STREET
Designated Facility Location City:	LONG BEACH
Designated Facility Location Zip:	90813
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	025300798JJK
Transporter Line Number:	1
Transporter EPA ID:	CAR000372151
Transporter Name:	Universal Motor Oil Llc

Waste Line:

Manifest Tracking Number:	025300798JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN2920
U.S. DOT Description:	Un2920, Waste Corrosive Liquids, Flammable, N.O.S. , 8 (3), Ii, Rq
Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	130
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.065
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.065

RIVERSIDE COMMUNITY CAMPUS -RCC NORCO CAMPUS (Continued) **1032267863**

Waste Quantity, in Kilograms:	58.95695
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	58.95695
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, D002
Quantity Haz Kg:	58.95695
Quantity Haz Tons:	0.065
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	CA-551

A3 **RIVERSIDE COMMUNITY COLLEGE-NORCO** **E MANIFEST** **1032267864**
Target **2001 THIRD STREET** **N/A**
Property **NORCO, CA 92860**

Site 3 of 16 in cluster A

Actual: **625 ft.**

E MANIFEST:

Manifest Tracking Number:	022013698JJK
Last Updated Date:	20201201
Shipped Date:	20201014
Received Date:	20201102
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Generator Contact Company Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Designated Facility EPA ID:	UTD981552177
Designated Facility Name:	Clean Harbors Aragonite Llc
Designated Facility Mail Street 2:	PO Box 1339
Designated Facility Mail City:	Grantsville
Designated Facility Mail Zip:	84029
Designated Facility Mail State:	UT
Designated Facility Location Street 1:	11600 North Aptus Road
Designated Facility Location City:	Grantsville
Designated Facility Location Zip:	84029
Designated Facility Location State:	UT
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	022461409JJK
Last Updated Date:	20210528
Shipped Date:	20210420
Received Date:	20210507

RIVERSIDE COMMUNITY COLLEGE-NORCO (Continued) **1032267864**

Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Generator Contact Company Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Designated Facility EPA ID:	UTD981552177
Designated Facility Name:	Clean Harbors Aragonite Llc
Designated Facility Mail Street 2:	PO Box 1339
Designated Facility Mail City:	Grantsville
Designated Facility Mail Zip:	84029
Designated Facility Mail State:	UT
Designated Facility Location Street 1:	11600 North Aptus Road
Designated Facility Location City:	Grantsville
Designated Facility Location Zip:	84029
Designated Facility Location State:	UT
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	018539973JJK
Last Updated Date:	20191003
Shipped Date:	20190830
Received Date:	20190906
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD044429835
Designated Facility Name:	Clean Harbors Wilmington Llc
Designated Facility Mail Street 2:	1737 East Denni Street
Designated Facility Mail City:	Wilmington
Designated Facility Mail Zip:	90744
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1737 East Denni Street
Designated Facility Location City:	Wilmington
Designated Facility Location Zip:	90744
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N

RIVERSIDE COMMUNITY COLLEGE-NORCO (Continued) **1032267864**

Manifest Tracking Number:	020003508JJK
Last Updated Date:	20200327
Shipped Date:	20200303
Received Date:	20200306
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Generator Contact Company Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Designated Facility EPA ID:	CAD044429835
Designated Facility Name:	Clean Harbors Wilmington Llc
Designated Facility Mail Street 2:	1737 East Denni Street
Designated Facility Mail City:	Wilmington
Designated Facility Mail Zip:	90744
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1737 East Denni Street
Designated Facility Location City:	Wilmington
Designated Facility Location Zip:	90744
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	020004731JJK
Last Updated Date:	20191213
Shipped Date:	20191115
Received Date:	20191122
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD044429835
Designated Facility Name:	Clean Harbors Wilmington Llc
Designated Facility Mail Street 2:	1737 East Denni Street
Designated Facility Mail City:	Wilmington
Designated Facility Mail Zip:	90744
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1737 East Denni Street
Designated Facility Location City:	Wilmington
Designated Facility Location Zip:	90744

RIVERSIDE COMMUNITY COLLEGE-NORCO (Continued) **1032267864**

Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	018528120JJK
Last Updated Date:	20190828
Shipped Date:	20190613
Received Date:	20190621
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD044429835
Designated Facility Name:	Clean Harbors Wilmington Llc
Designated Facility Mail Street 2:	1737 East Denni Street
Designated Facility Mail City:	Wilmington
Designated Facility Mail Zip:	90744
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1737 East Denni Street
Designated Facility Location City:	Wilmington
Designated Facility Location Zip:	90744
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	018539569JJK
Last Updated Date:	20190828
Shipped Date:	20190417
Received Date:	20190419
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD044429835
Designated Facility Name:	Clean Harbors Wilmington Llc
Designated Facility Mail Street 2:	1737 East Denni Street
Designated Facility Mail City:	Wilmington
Designated Facility Mail Zip:	90744
Designated Facility Mail State:	CA

RIVERSIDE COMMUNITY COLLEGE-NORCO (Continued) **1032267864**

Designated Facility Location Street 1:	1737 East Denni Street
Designated Facility Location City:	Wilmington
Designated Facility Location Zip:	90744
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	018539760JJK
Last Updated Date:	20190828
Shipped Date:	20190613
Received Date:	20190621
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD044429835
Designated Facility Name:	Clean Harbors Wilmington Llc
Designated Facility Mail Street 2:	1737 East Denni Street
Designated Facility Mail City:	Wilmington
Designated Facility Mail Zip:	90744
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1737 East Denni Street
Designated Facility Location City:	Wilmington
Designated Facility Location Zip:	90744
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	018539769JJK
Last Updated Date:	20210621
Shipped Date:	20190613
Received Date:	20190625
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College-Norco
Generator Location Street 1:	2001 THIRD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 THIRD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Generator Contact Company Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Designated Facility EPA ID:	AZD049318009
Designated Facility Name:	Clean Harbors Arizona Llc

RIVERSIDE COMMUNITY COLLEGE-NORCO (Continued) **1032267864**

Designated Facility Mail Street 2:	1340 West Lincoln Street
Designated Facility Mail City:	Phoenix
Designated Facility Mail Zip:	85007
Designated Facility Mail State:	AZ
Designated Facility Location Street 1:	1340 West Lincoln Street
Designated Facility Location City:	Phoenix
Designated Facility Location Zip:	85007
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	018539769JJK
Transporter Line Number:	1
Transporter EPA ID:	CAR000183574
Transporter Name:	Environmental Management Tech
Manifest Tracking Number:	018539769JJK
Transporter Line Number:	2
Transporter EPA ID:	ALR000007237
Transporter Name:	Action Resources Incorporated

Waste Line:

Manifest Tracking Number:	018539769JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN2809
U.S. DOT Description:	Un2809, Waste Mercury, 8, (6.1), Pg Iii
Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	3
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.0015
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.0015
Waste Quantity, in Kilograms:	1.360545
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	1.360545
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	Y
Federal Waste Codes:	D009
Quantity Haz Kg:	1.360545
Quantity Haz Tons:	0.0015
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	CA-551

A4 **RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS** **FINDS** **1010727971**
Target **2001 3RD ST** **N/A**
Property **NORCO, CA 92860**

Site 4 of 16 in cluster A

Actual: **625 ft.**

FINDS:
Registry ID: 110033606952

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California's Department of Toxic Substances Control's (DTSC's)-EnviroStor database is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A5 **RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS** **CIWQS** **S121668672**
Target **2001 3RD ST** **N/A**
Property **NORCO, CA 92860**

Site 5 of 16 in cluster A

Actual: **625 ft.**

CIWQS:

Name:	Riverside Community College Norco Campus
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 92860
Agency:	Riverside Community College Dist
Agency Address:	3845 Market St, Riverside, CA 92501
Place/Project Type:	Construction - Commercial
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	8 33C354757
NPDES Number:	CAS000002
Effective Date:	03/12/2009
Termination Date:	07/30/2009
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

A6 **RCC-NORCO CAMPUS** **FINDS** **1023314042**
Target **2001 3RD ST** **N/A**
Property **NORCO, CA 92860**

Site 6 of 16 in cluster A

Actual: **625 ft.**

FINDS:
Registry ID: 110066070860

Click Here for FRS Facility Detail Report:

RCC-NORCO CAMPUS (Continued) **1023314042**

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A7 **RCCD NORCO CAMPUS SOCCER FIELD COMPLEX PHASE 1** **CIWQS** **S121666968**
Target **2001 3RD ST** **N/A**
Property **NORCO, CA 92860**

Site 7 of 16 in cluster A

Actual: **625 ft.**

CIWQS:

Name:	Rccd Norco Campus Soccer Field Complex Phase 1
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 92860
Agency:	Riverside Community College Dist
Agency Address:	3845 Market St, Riverside, CA 92501
Place/Project Type:	Construction - Reconstruction, Utility
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	8 33C353489
NPDES Number:	CAS000002
Effective Date:	09/25/2008
Termination Date:	01/20/2009
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

A8 **JFK MIDDLE COLLEGE HIGH SCHOOL** **NPDES** **S121647322**
Target **2001 3RD ST** **CIWQS** **N/A**
Property **CORONA, CA 92860**

Site 8 of 16 in cluster A

Actual: **625 ft.**

NPDES:

Name:	JFK MIDDLE COLLEGE HIGH SCHOOL
Address:	2001 3RD ST
City,State,Zip:	CORONA, CA 92860
WDID:	8 33CN601428
Regulatory Measure Type:	Construction
Status:	Undetermined
Status Date:	08/10/2011
Operator Name:	Corona Norco USD
Operator Address:	2820 Clark Ave
Operator City:	Corona
Operator State:	California
Operator Zip:	92860

JFK MIDDLE COLLEGE HIGH SCHOOL (Continued) **S121647322**

CIWQS:

Name:	Jfk Middle College High School
Address:	2001 3RD ST
City,State,Zip:	CORONA, CA 92860
Agency:	Corona Norco USD
Agency Address:	2820 Clark Ave, Corona, CA 92860
Place/Project Type:	Construction - Other
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	8 33C333748
NPDES Number:	CAS000002
Effective Date:	04/21/2005
Termination Date:	02/08/2007
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

A9 **RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS** **ENVIROSTOR** **S105749954**
Target **2001 3RD ST** **VCP** **N/A**
Property **NORCO, CA 92860** **HIST Cal-Sites**
CERS HAZ WASTE
Site 9 of 16 in cluster A **CERS TANKS**
DEED
Actual: **CERS**
625 ft.

ENVIROSTOR:

Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 92860
Facility ID:	33820001
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	08/05/2016
Site Code:	402010
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	713.66
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Katherine Gould
Supervisor:	Nicholas Ta
Division Branch:	Cleanup Cypress
Assembly:	63
Senate:	32
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.91536
Longitude:	-117.5687
APN:	NONE SPECIFIED
Past Use:	RESEARCH - WEAPONS, ABOVE GROUND STORAGE TANKS, INCINERATOR - OTHER, LDF, RESEARCH - WEAPONS, UNDERGROUND STORAGE TANKS, UNKNOWN
Potential COC:	Dioxin (as 2,3,7,8-TCDD TEQ Lead Antimony and compounds Cadmium and compounds Copper and compounds Furan Lead, Organic (tetraethyl lead Zinc Explosives (UXO, MEC

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Confirmed COC: 30011-NO Dioxin (as 2,3,7,8-TCDD TEQ Lead Antimony and compounds Cadmium and compounds Copper and compounds Furan Lead, Organic (tetraethyl lead Zinc
Potential Description: SOIL
Alias Name: Naval Weapons Station Seal Beach Detachment Corona
Alias Type: Alternate Name
Alias Name: PART OF FLEET ANALYSIS CENTER-CORONA ANN
Alias Type: Alternate Name
Alias Name: 110033606952
Alias Type: EPA (FRS #)
Alias Name: P43059
Alias Type: PCode
Alias Name: 400202
Alias Type: Project Code (Site Code)
Alias Name: 401998
Alias Type: Project Code (Site Code)
Alias Name: 402010
Alias Type: Project Code (Site Code)
Alias Name: 33820001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/05/2018

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 01/28/2022

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/28/2022

Completed Area Name: PROJECT WIDE
Completed Document Type: Soils Management Plan
Completed Date: 04/25/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/26/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 02/24/2015

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2016
Comments: 2016 - 2017 Annual Cost Est. completed 20161103

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Completed Date: 12/04/2015
Comments: Annual Cost Estimate Completed - FY 2016

Completed Area Name: PROJECT WIDE
Completed Document Type: Land Use Restriction
Completed Date: 03/28/2016

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/22/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/22/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/25/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Soils Management Plan
Completed Date: 06/07/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/29/2011
Comments: vca executed.

Completed Area Name: PROJECT WIDE
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 02/02/2017
Comments: 2017 LUC Inspection Rpt. Approved 20170202

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2012

Completed Area Name: PROJECT WIDE
Completed Document Type: * Operations and Maintenance Workplan / Report
Completed Date: 05/09/2011
Comments: OLC consultation

Completed Area Name: PROJECT WIDE
Completed Document Type: Feasibility Study Report
Completed Date: 09/30/1990

Completed Area Name: PROJECT WIDE
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 03/28/2016
Comments: LUC completed on 20160328

Completed Area Name: PROJECT WIDE
Completed Document Type: Fieldwork
Completed Date: 10/18/2013
Comments: Completed

Completed Area Name: PROJECT WIDE

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Completed Document Type: Monitoring Report
Completed Date: 09/04/2013

Completed Area Name: PROJECT WIDE
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 08/26/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 08/29/1990
Comments: Cleanup involved removal and offsite disposal of twenty tons of contaminated soil. CU and PB were contaminants of concern. Site was formerly part of the Fleet Analysis Center. A portion of that site became this site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Amendment - Order/Agreement
Completed Date: 10/13/2021

Completed Area Name: PROJECT WIDE
Completed Document Type: Technical Report
Completed Date: 04/08/2014
Comments: DTSC letter sent to RCCD.

Completed Area Name: PROJECT WIDE
Completed Document Type: Soils Management Plan
Completed Date: 04/13/2021

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 11/13/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 08/21/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 06/21/2021

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 06/24/2013
Comments: Workplan completed.

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 03/26/2013

Completed Area Name: PROJECT WIDE
Completed Document Type: Fieldwork
Completed Date: 04/08/2013

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/28/2017

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 05/02/1990
Comments: Air Monitoring, Geophysical Survey, Subsurface Invest. Rpt.

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 09/28/2017

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/05/2017
Comments: FY 2017 - 2018 Annual Cost Est. Completed 20171205

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 03/28/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/03/2019

VCP:
Name: RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS
Address: 2001 3RD ST
City,State,Zip: NORCO, CA 92860
Facility ID: 33820001
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 713.66
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Katherine Gould
Supervisor: Nicholas Ta
Division Branch: Cleanup Cypress
Site Code: 402010
Assembly: 63
Senate: 32
Status: Certified O&M - Land Use Restrictions Only
Status Date: 08/05/2016
Restricted Use: YES
Funding: DERA
Lat/Long: 33.91536 / -117.5687
APN: NONE SPECIFIED
Past Use: RESEARCH - WEAPONS, ABOVE GROUND STORAGE TANKS, INCINERATOR - OTHER,

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

LDF, RESEARCH - WEAPONS, UNDERGROUND STORAGE TANKS, UNKNOWN
Potential COC: 30009, 30013, 30058, 30108, 30156, 30298, 30343, 30594, 30011
Confirmed COC: 30011-NO,, ,30009,30013,30058,30108,30156,30298,30343,30594
Potential Description: SOIL
Alias Name: Naval Weapons Station Seal Beach Detachment Corona
Alias Type: Alternate Name
Alias Name: PART OF FLEET ANALYSIS CENTER-CORONA ANN
Alias Type: Alternate Name
Alias Name: 110033606952
Alias Type: EPA (FRS #)
Alias Name: P43059
Alias Type: PCode
Alias Name: 400202
Alias Type: Project Code (Site Code)
Alias Name: 401998
Alias Type: Project Code (Site Code)
Alias Name: 402010
Alias Type: Project Code (Site Code)
Alias Name: 33820001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/05/2018

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 01/28/2022

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/28/2022

Completed Area Name: PROJECT WIDE
Completed Document Type: Soils Management Plan
Completed Date: 04/25/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/26/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 02/24/2015

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2016
Comments: 2016 - 2017 Annual Cost Est. completed 20161103

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Completed Date: 12/04/2015
Comments: Annual Cost Estimate Completed - FY 2016

Completed Area Name: PROJECT WIDE
Completed Document Type: Land Use Restriction
Completed Date: 03/28/2016

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/22/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/22/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/25/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Soils Management Plan
Completed Date: 06/07/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/29/2011
Comments: vca executed.

Completed Area Name: PROJECT WIDE
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 02/02/2017
Comments: 2017 LUC Inspection Rpt. Approved 20170202

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2012

Completed Area Name: PROJECT WIDE
Completed Document Type: * Operations and Maintenance Workplan / Report
Completed Date: 05/09/2011
Comments: OLC consultation

Completed Area Name: PROJECT WIDE
Completed Document Type: Feasibility Study Report
Completed Date: 09/30/1990

Completed Area Name: PROJECT WIDE
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 03/28/2016
Comments: LUC completed on 20160328

Completed Area Name: PROJECT WIDE
Completed Document Type: Fieldwork
Completed Date: 10/18/2013
Comments: Completed

Completed Area Name: PROJECT WIDE

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Completed Document Type: Monitoring Report
Completed Date: 09/04/2013

Completed Area Name: PROJECT WIDE
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 08/26/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 08/29/1990
Comments: Cleanup involved removal and offsite disposal of twenty tons of contaminated soil. CU and PB were contaminants of concern. Site was formerly part of the Fleet Analysis Center. A portion of that site became this site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Amendment - Order/Agreement
Completed Date: 10/13/2021

Completed Area Name: PROJECT WIDE
Completed Document Type: Technical Report
Completed Date: 04/08/2014
Comments: DTSC letter sent to RCCD.

Completed Area Name: PROJECT WIDE
Completed Document Type: Soils Management Plan
Completed Date: 04/13/2021

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 11/13/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 08/21/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 06/21/2021

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 06/24/2013
Comments: Workplan completed.

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 03/26/2013

Completed Area Name: PROJECT WIDE
Completed Document Type: Fieldwork
Completed Date: 04/08/2013

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/28/2017

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 05/02/1990
Comments: Air Monitoring, Geophysical Survey, Subsurface Invest. Rpt.

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 09/28/2017

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/05/2017
Comments: FY 2017 - 2018 Annual Cost Est. Completed 20171205

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 03/28/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/03/2019

Calsite:
Name: RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS
Address: 2001 3RD ST
City: NORCO
Region: GLENDALE
Facility ID: 33820001
Facility Type: OPEN
Type: OPEN MILITARY BASE
Branch: SO
Branch Name: OMF-SOUTHERN CALIF
State Senate District: 08291990
Status: CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES IMPLEMENTED, REMEDIATION CONTINUES
Status Name: CERTIFIED / OPERATION & MAINTENANCE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 82
SIC Name: EDUCATIONAL SERVICES
Groundwater Contamination: Unknown
Lat/Long (dms): 0 0 0 / 0 0 0
State Assembly District Code: 71
State Senate District Code: 37
Facility ID: 33820001
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: 1

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Proposed Budget:	0
AWP Completion Date:	06301995
Est Person-Yrs to complete:	0
Estimated Size:	S
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33820001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	1
Proposed Budget:	0
AWP Completion Date:	09301990
Comments Date:	09301990
Est Person-Yrs to complete:	0
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33820001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	1
Proposed Budget:	0
AWP Completion Date:	06301990
Comments Date:	06301990
Est Person-Yrs to complete:	0
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33820001
Activity:	FRA
Activity Name:	FINAL REMEDIAL ACTION
AWP Code:	1
Proposed Budget:	0
AWP Completion Date:	06301990
Comments Date:	06301990
Est Person-Yrs to complete:	0
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
For Commercial Reuse:	0

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 33820001
Activity: CERT
Activity Name: CERTIFICATION
Proposed Budget: 0
Comments Date: 08291990
Est Person-Yrs to complete: 0
Activity Status: COM
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Removal Action Certification: N
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 2001 3RD ST
Alternate City,St,Zip: NORCO, CA 92860
Alternate Address: 2001 THIRD STREET
Alternate City,St,Zip: NORCO, CA 91720
Comments Date: 08291990
Comments: Cleanup involved removal and offsite disposal of twenty tons of c
Comments Date: 08291990
Comments: ontaminated soil. CU and PB were contaminants of concern. Site
Comments Date: 08291990
Comments: was formerly part of the Fleet Analysis Center. A portion of tha
Comments Date: 08291990
Comments: t site became this site.
ID Name: BEP DATABASE PCODE
ID Value: P43059
Alternate Name: PART OF FLEET ANALYSIS CENTER-CORONA ANN
Alternate Name: RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS

CERS HAZ WASTE:
Name: RCC-NORCO CAMPUS
Address: 2001 3RD ST
City,State,Zip: NORCO, CA 92860-2600
Site ID: 146854
CERS ID: 10327072
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: RCC-NORCO CAMPUS
Address: 2001 3RD ST
City,State,Zip: NORCO, CA 92860-2600
Site ID: 146854
CERS ID: 10327072
CERS Description: Aboveground Petroleum Storage

DEED:
Name: RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS
Address: 2001 3RD ST
City,State,Zip: NORCO, CA 92860
Envirostor ID: 33820001

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CERS:
Name: RCC-NORCO CAMPUS
Address: 2001 3RD ST
City,State,Zip: NORCO, CA 92860-2600
Site ID: 146854
CERS ID: 10327072
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 146854
Site Name: RCC-Norco Campus
Violation Date: 06-15-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.
Violation Notes: Returned to compliance on 12/11/2017.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 146854
Site Name: RCC-Norco Campus
Violation Date: 06-15-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/07/2017.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 146854
Site Name: RCC-Norco Campus
Violation Date: 06-15-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes: Returned to compliance on 09/07/2017.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 146854

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description:	Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to this chapter.
Violation Notes:	Returned to compliance on 06/14/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.
Violation Notes:	Returned to compliance on 12/11/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

	storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	Un-Specified
Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	Returned to compliance on 06/14/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description:	Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-14-2018
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

	Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .
Violation Notes:	Returned to compliance on 07/05/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.67 25270.4.5(b) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(b)
Violation Description:	Failure of a conditionally exempt facility to allow the UPA to conduct a periodic inspection, install secondary containment when the UPA determines that it is necessary, and/or conduct daily visual inspections to protect the waters of the state.
Violation Notes:	Returned to compliance on 12/11/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	07-05-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 08/03/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan.
Violation Notes:	Returned to compliance on 12/11/2017.

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	22 CCR 23 66273.31(a) - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.31(a)
Violation Description:	Failure of the universal waste handler to transfer universal waste to the appropriate destination facility.
Violation Notes:	Returned to compliance on 06/14/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-24-2021
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 06/24/2021. OBSERVATION: No annual business plan certification was observed in the statewide information management system for the year 2020. CORRECTIVE ACTION: Owner/Operator shall submit an updated business plan in the statewide information management system (e.g. CERS) at http://cers.calepa.ca.gov. Business plans shall be reviewed and certified on at least an annual basis before the expiration of the annual permit with this Department (10/31/XX). Operator has submitted in CERS now.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

	quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.
Violation Notes:	Returned to compliance on 12/11/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	05-16-2024
Citation:	HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description:	Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes:	Returned to compliance on 05/16/2024.
Violation Division:	Riverside County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	07-20-2022
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

	business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 08/19/2022.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	22 CCR 16 66266.81(a)(3) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(3)
Violation Description:	Failure of facilities that accept spent lead acid batteries in exchange or partial exchange for operable lead-acid storage batteries to comply with the following storage requirements : 1) Storing more than one ton of spent batteries at any one location for more than 180 days. 2) Storing one ton or less of spent batteries at any one location for more than one year, or 3) Removing the electrolyte.
Violation Notes:	Returned to compliance on 06/14/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-14-2018
Citation:	Un-Specified
Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	Returned to compliance on 07/05/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	146854
Site Name:	RCC-Norco Campus
Violation Date:	06-15-2017
Citation:	40 CFR 1 262.34(d)(5)(i) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(i)
Violation Description:	Failure to have at least one employee either on the premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures.
Violation Notes:	Returned to compliance on 09/07/2017.
Violation Division:	Riverside County Department of Env Health

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 06-14-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection conducted by D. Garcia and T. Sultan. This facility is a community college that retains a 2,100 diesel back up generator and 29- 309 cubic feet of Nitrogen cylinders for fuel cell located at Northern end of school behind building F1 and T (Operations System Center). Building D has a chemical lab on the second floor where a few cylinders of Nitrogen, Hydrogen and CO2 are stored. The school cafeteria at building S has 4 cylinders 435 cubic feet each of CO2. NOTE: Ensure rooms and entrance of buildings that contain hazardous materials have a NFPA sign to better advise emergency responders as to what chemicals are stored in that specific location. No signature obtained due to COVID-19.
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-20-2022
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-27-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-07-2017

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2024
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility is a college campus that generates the following hazardous waste: Waste chemistry solution & waste lead batteries (located by the operations center), incidental waste coolant & contaminated rags (located in a yellow containment behind the CACT building). Hauler: Environmental Management Technologies ***NOTES: Manifests located at Operations Center Office.
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2024
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility is a college campus that stores the following: compressed gases (i.e. nitrogen, CO2, hrdrogen, Nitrogen & Hydrogen mixture, Argon & Co2 mixture, and Oxygen), Diesel Fuel, gasoline, paint, pesticides, propane, and chemistry solvents. ***NOTE(S): Observed the following hazardous materials onsite not included on the online CERS system: Located by the gas shed by Building M1: - Gasoline: (Multiple 5 gallons containers) - Paint: (~ 100 gallons) - Pesticides : (50 lb bags (~ 8 bags)) & liquid pesticide containers - Propane: (~ 44 gallons) - Argon/CO2 mixture compressed gas Ensure to include the

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

hazardous materials listed above onto the online CERS system. *** Chemistry / Bio solvents located at the Environmental Science Center Lab 128 near greenhouse (Building D Humanities) & ST Building (Bio Labs); Cafeteria (Co2); By Building F1 (Nitrogen & Hydrogen Mixture Gas); By Building M1 (propane, paint, gasoline, pesticides,argon/ CO2 compressed [Truncated]

Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-27-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2024
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-14-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection conducted by D. Garcia and T. Sultan. This facility is a community college that generates hazardous waste from chemical laboratory class, biowaste (specimens); as well as contaminated shop rags, used oil, metal for recycling from the CNC machines located in Building K (Applied and Competitive Technologies). The hauler is Environmental Management Tech. NOTE: Observed empty 55 gallon drums. Ensure drums are labeled with the words empty and the date they were emptied. No signature obtained due to COVID-19.
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Eval General Type: Other/Unknown
Eval Date: 07-05-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Travonne Bell
Affiliation Address: 2001 Thirs Street
Affiliation City: Norco
Affiliation State: CA
Affiliation Zip: 92860
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Justin Czerniak
Entity Title: College Safety and Emergency Planning Coordinator
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Travonne Bell
Affiliation Phone: (951) 372-7040,

Affiliation Type Desc: Parent Corporation
Entity Name: Norco College - RCCD
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Justin Czerniak
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2001 Third St
Affiliation City: Norco
Affiliation State: CA
Affiliation Zip: 92860-2600
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Norco College
Affiliation Address: 2001 Third St
Affiliation City: Norco
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92860

RIVERSIDE COMMUNITY COLLEGE-NORCO CAMPUS (Continued) **S105749954**

Affiliation Phone: (951) 372-7040,

Affiliation Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Affiliation Address: 4065 County Circle Drive, Room 104
Affiliation City: Riverside
Affiliation State: CA
Affiliation Zip: 92503
Affiliation Phone: (951) 358-5055,

Affiliation Type Desc: Legal Owner
Entity Name: Norco College
Affiliation Address: 2001 Third St
Affiliation City: Norco
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92860
Affiliation Phone: (951) 372-7040,

A10 **NORCO COLLEGE** **FINDS** **1024657508**
Target **2001 3RD ST** **ECHO** **N/A**
Property **NORCO, CA 92860**

Site 10 of 16 in cluster A

Actual:
625 ft.

FINDS:
Registry ID: 110070445896

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1024657508
Registry ID: 110070445896

DFR URL:
Name: NORCO COLLEGE
Address: 2001 3rd St
City,State,Zip: NORCO, CA 92860

A11 **RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS** **RCRA NonGen / NLR** **1024791871**
Target **2001 3RD ST** **E MANIFEST** **CAL000113053**
Property **NORCO, CA 92860**

Site 11 of 16 in cluster A

Actual:
625 ft.

RCRA Listings:

Date Form Received by Agency:	19930325
Handler Name:	Norco College
Handler Address:	2001 3rd St
Handler City,State,Zip:	NORCO, CA 92860-2627
EPA ID:	CAL000113053
Contact Name:	JUSTIN CZERNIAK
Contact Address:	2001 THIRD ST
Contact City,State,Zip:	NORCO, CA 92860
Contact Telephone:	951-378-7798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
EPA Region:	09
Federal Waste Generator Description:	Not a generator, verified
Active Site Indicator:	Handler Activities
Mailing Address:	2001 THIRD ST
Mailing City,State,Zip:	NORCO, CA 92860-0000
Owner Name:	Riverside Community Colg Dist
Owner Type:	Other
Operator Name:	Justin Czerniak
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: RIVERSIDE COMMUNITY COLG DIST
Legal Status: Other
Owner/Operator Address: 4800 MAGNOLIA AVE
Owner/Operator City,State,Zip: RIVERSIDE, CA 92506-1299
Owner/Operator Telephone: 951-222-8660

Owner/Operator Indicator: Operator
Owner/Operator Name: JUSTIN CZERNIAK
Legal Status: Other
Owner/Operator Address: 2001 THIRD ST
Owner/Operator City,State,Zip: NORCO, CA 92860
Owner/Operator Telephone: 951-378-7798

Historic Generators:
Receive Date: 19930325
Handler Name: NORCO COLLEGE
Federal Waste Generator Description: Not a generator, verified
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Code: 61121
NAICS Description: Junior Colleges

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E MANIFEST:
Manifest Tracking Number: 026357140JJK
Last Updated Date: 20240317
Shipped Date: 20240221
Received Date: 20240229
Manifest Status: Signed
Submission Type: DataImage5Copy
Origin Type: Service
Generator EPA ID: CAL000113053
Generator Name: Riverside Community College- Norco
Generator Location Street 1: 2001 3RD ST

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 3RD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	Us Ecology Nevada, Inc.
Designated Facility Mail Street 2:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street 1:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	026357204JJK
Last Updated Date:	20240605
Shipped Date:	20240221
Received Date:	20240222
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAL000113053
Generator Name:	Norco College
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860-2627
Generator Mail Street 1:	2001 THIRD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860-0000
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520478
Designated Facility Name:	Environmental Waste Solutions, Inc.
Designated Facility Mail Street 2:	PO BOX 626
Designated Facility Mail City:	LOMA LINDA
Designated Facility Mail Zip:	92354
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	31915 INDUSTRIAL LANE
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	024024510JJK
Last Updated Date:	20220919
Shipped Date:	20220831
Received Date:	20220831
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Generator EPA ID:	CAL000113053
Generator Name:	Norco College
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860-2627
Generator Mail Street 1:	2001 THIRD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860-0000
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520478
Designated Facility Name:	Environmental Waste Solutions, Inc.
Designated Facility Mail Street 2:	PO BOX 626
Designated Facility Mail City:	LOMA LINDA
Designated Facility Mail Zip:	92354
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	31915 INDUSTRIAL LANE
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	024024511JJK
Last Updated Date:	20221005
Shipped Date:	20220830
Received Date:	20220901
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College- Norco
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 3RD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	Us Ecology Nevada, Inc.
Designated Facility Mail Street 2:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street 1:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	024024816JJK
Last Updated Date:	20230501
Shipped Date:	20230323
Received Date:	20230330

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAL000113053
Generator Name:	Norco College
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860-2627
Generator Mail Street 1:	2001 THIRD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860-0000
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520478
Designated Facility Name:	Environmental Waste Solutions, Inc.
Designated Facility Mail Street 2:	PO BOX 626
Designated Facility Mail City:	LOMA LINDA
Designated Facility Mail Zip:	92354
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	31915 INDUSTRIAL LANE
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	024024817JJK
Last Updated Date:	20230413
Shipped Date:	20230323
Received Date:	20230330
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College- Norco
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 3RD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	Us Ecology Nevada, Inc.
Designated Facility Mail Street 2:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street 1:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	023952352JJK

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Last Updated Date:	20230924
Shipped Date:	20230906
Received Date:	20230907
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College- Norco
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 3RD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	Us Ecology Nevada, Inc.
Designated Facility Mail Street 2:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street 1:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	023952353JJK
Last Updated Date:	20231012
Shipped Date:	20230906
Received Date:	20230908
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAL000113053
Generator Name:	Norco College
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860-2627
Generator Mail Street 1:	2001 THIRD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860-0000
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520478
Designated Facility Name:	Environmental Waste Solutions, Inc.
Designated Facility Mail Street 2:	PO BOX 626
Designated Facility Mail City:	LOMA LINDA
Designated Facility Mail Zip:	92354
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	31915 INDUSTRIAL LANE
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Rejection Indicator:	N
Manifest Tracking Number:	022013699JJK
Last Updated Date:	20201208
Shipped Date:	20201014
Received Date:	20201021
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAL000113053
Generator Name:	Norco College
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860-2627
Generator Mail Street 1:	2001 THIRD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860-0000
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520478
Designated Facility Name:	Environmental Waste Solutions, Inc.
Designated Facility Mail Street 2:	PO BOX 626
Designated Facility Mail City:	LOMA LINDA
Designated Facility Mail Zip:	92354-0626
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	31915 INDUSTRIAL LANE
Designated Facility Location City:	PAKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	022461410JJK
Last Updated Date:	20210604
Shipped Date:	20210420
Received Date:	20210422
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAL000113053
Generator Name:	Norco College
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860-2627
Generator Mail Street 1:	2001 THIRD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860-0000
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520478
Designated Facility Name:	Environmental Waste Solutions, Inc.
Designated Facility Mail Street 2:	PO BOX 626
Designated Facility Mail City:	LOMA LINDA
Designated Facility Mail Zip:	92354
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	31915 INDUSTRIAL LANE
Designated Facility Location City:	PARKER

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	026723267JJK
Last Updated Date:	20241019
Shipped Date:	20240908
Received Date:	20240911
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community College- Norco
Generator Location Street 1:	2001 3RD ST
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 3RD ST
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	Us Ecology Nevada, Inc.
Designated Facility Mail Street 2:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street 1:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	026723268JJK
Transporter Line Number:	1
Transporter EPA ID:	CAR000183574
Transporter Name:	Environmental Mngmt Technologies Inc

Waste Line:

Manifest Tracking Number:	026723268JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	N
Non-Hazardous Waste Description:	Non-Rcra Hazardous Waste Solid (Specimens)
Number of Containers:	2
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	800
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.4
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.4
Waste Quantity, in Kilograms:	362.812

RIVERSIDE COMMUNITY COLLEGE NORCO CAMPUS (Continued) **1024791871**

Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	362.812
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	N
Quantity Haz Kg:	0
Quantity Haz Tons:	0
Quantity Non Haz Kg:	362.812
Quantity Non Haz Tons:	0.4
State Waste Codes:	CA-181
Manifest Tracking Number:	026723268JJK
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	N
Non-Hazardous Waste Description:	Non-Rcra Hazardous Waste Liquid, (Pour Off Commodity Pack)
Number of Containers:	1
Container Type Code:	CF
Container Type Description:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	650
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.325
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.325
Waste Quantity, in Kilograms:	294.78475
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	294.78475
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	N
Quantity Haz Kg:	0
Quantity Haz Tons:	0
Quantity Non Haz Kg:	294.78475
Quantity Non Haz Tons:	0.325
State Waste Codes:	CA-135

Click this hyperlink while viewing on your computer to access
14 additional US EManifest: record(s) in the EDR Site Report.

A12 **ARAKELIAN ENTERPRISES DBA ATHENS SERVICES** **FINDS** **1024403727**
Target **2001 3RD STREET** **N/A**
Property **NORCO, CA 92860**

Site 12 of 16 in cluster A

Actual:
625 ft.

FINDS:
Registry ID: 110070318692

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration

ARAKELIAN ENTERPRISES DBA ATHENS SERVICES (Continued) **1024403727**

information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A13 **JFK MIDDLE COLLEGE HIGH SCHOOL** **FINDS** **1023688390**
Target **2001 3RD ST** **ECHO** **N/A**
Property **CORONA, CA 92860**

Site 13 of 16 in cluster A

Actual:
625 ft.

FINDS:
Registry ID: 110070085360

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1023688390
Registry ID: 110070085360

DFR URL:
Name: JFK MIDDLE COLLEGE HIGH SCHOOL
Address: 2001 3rd St
City,State,Zip: CORONA, CA 92860

A14 **NORCO COLLEGE** **EMI** **S111828634**
Target **2001 THIRD STREET** **NPDES** **N/A**
Property **NORCO, CA 92860** **CIWQS**
CERS

Site 14 of 16 in cluster A

Actual:
625 ft.

EMI:
Name: RCCD-NORCO COLLEGE
Address: 2001 THIRD ST
City,State,Zip: NORCO, CA 92860
Year: 2022
County Code: 33
Air Basin: SC
Facility ID: 119158
Air District Name: SC
SIC Code: 8222
Air District Name: SOUTH COAST AQMD

NORCO COLLEGE (Continued) **S111828634**

Total Organic Hydrocarbon Gases Tons/Yr:	.000319863403528742174160
Reactive Organic Gases Tons/Yr:	0.000281
Carbon Monoxide Emissions Tons/Yr:	0.000765
NOX - Oxides of Nitrogen Tons/Yr:	0.00352
SOX - Oxides of Sulphur Tons/Yr:	1.58e-006
Particulate Matter Tons/Yr:	0.000251
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000249494

Name:	RCCD-NORCO COLLEGE
Address:	2001 THIRD ST
City,State,Zip:	NORCO, CA 92860
Year:	2023
County Code:	33
Air Basin:	SC
Facility ID:	119158
Air District Name:	SC
SIC Code:	8222
Air District Name:	SOUTH COAST AQMD
Total Organic Hydrocarbon Gases Tons/Yr:	0.00031986340353
Reactive Organic Gases Tons/Yr:	0.000281
Carbon Monoxide Emissions Tons/Yr:	0.000765
NOX - Oxides of Nitrogen Tons/Yr:	0.00352
SOX - Oxides of Sulphur Tons/Yr:	1.58e-06
Particulate Matter Tons/Yr:	0.000251
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000249494

NPDES:

Name:	NORCO COLLEGE
Address:	2001 THIRD STREET
City,State,Zip:	NORCO, CA 92860
Facility Status:	Active
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	563992
Order Number:	2009-0009-DWQ
WDID:	8 33C401553
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Effective Date Of Regulatory Measure:	08/11/2023
Discharge Address:	6795 Flanders Dr
Discharge Name:	Helix Electric
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92121

Name:	NORCO COLLEGE
Address:	2001 THIRD STREET
City,State,Zip:	NORCO, CA 92860
WDID:	8 33C401553
Regulatory Measure Type:	Construction
Status:	Active
Status Date:	08/11/2023
Operator Name:	Helix Electric
Operator Address:	6795 Flanders Dr
Operator City:	San Diego
Operator State:	California

NORCO COLLEGE (Continued) **S111828634**

Operator Zip: 92121

Name: NORCO COLLEGE VRC
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92860
WDID: 8 33C393031
Regulatory Measure Type: Construction
Status: Terminated
Status Date: 10/05/2021
Operator Name: Riverside Community College District
Operator Address: 3801 Market Street
Operator City: Riverside
Operator State: California
Operator Zip: 92501

Name: NORCO COLLEGE VRC
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92860
WDID: 8 33C393031
Regulatory Measure Type: Construction
Status: Terminated
Status Date: 10/05/2021
Operator Name: Riverside Community College District
Operator Address: 3801 Market Street
Operator City: Riverside
Operator State: California
Operator Zip: 92501

Name: NORCO COLLEGE
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92840
Regulatory Measure Type: Construction
Status: Submitted to Water Board
Status Date: 03/19/2025
Operator Name: Riverside Community College District
Operator Address: 3801 Market Street
Operator City: Riverside
Operator State: California
Operator Zip: 92501

Name: NORCO COLLEGE VRC
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92860
WDID: 8 33C393031
Regulatory Measure Type: Construction
Status: Terminated
Status Date: 10/05/2021
Operator Name: Riverside Community College District
Operator Address: 3801 Market Street
Operator City: Riverside
Operator State: California
Operator Zip: 92501

Name: NORCO COLLEGE VRC
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92860
WDID: 8 33C393031

NORCO COLLEGE (Continued) **S111828634**

Regulatory Measure Type: Construction
Status: Terminated
Status Date: 10/05/2021
Operator Name: Riverside Community College District
Operator Address: 3801 Market Street
Operator City: Riverside
Operator State: California
Operator Zip: 92501

Name: NORCO COLLEGE VRC
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92860
WDID: 8 33C393031
Regulatory Measure Type: Construction
Status: Terminated
Status Date: 10/05/2021
Operator Name: Riverside Community College District
Operator Address: 3801 Market Street
Operator City: Riverside
Operator State: California
Operator Zip: 92501

CIWQS:
Name: Norco College
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92860
Agency: Riverside Community College Dist
Agency Address: 3845 Market St, Riverside, CA 92501
Place/Project Type: Construction - Other: Educational
Region: 8
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 8 33C363374
NPDES Number: CAS000002
Effective Date: 04/04/2012
Termination Date: 05/01/2013
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.915421
Longitude: -117.568755

Name: Norco College Vrc
Address: 2001 THIRD STREET
City,State,Zip: NORCO, CA 92860
Agency: Riverside Community College District
Agency Address: 3801 Market Street, Riverside, CA 92501
Place/Project Type: Construction
Region: 8
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 8 33C393031
NPDES Number: CAS000002
Effective Date: 03/04/2021

NORCO COLLEGE (Continued) **S111828634**

Termination Date:	10/05/2021
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91484
Longitude:	-117.56804
Name:	Norco College
Address:	2001 THIRD STREET
City,State,Zip:	NORCO, CA 92860
Agency:	Helix Electric
Agency Address:	6795 Flanders Dr, San Diego, CA 92121
Place/Project Type:	Construction - Other: Ground Mount PV Array
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 33C401553
NPDES Number:	CAS000002
Effective Date:	08/11/2023
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91748
Longitude:	-117.56942

CERS:

Name:	NORCO COLLEGE
Address:	2001 THIRD STREET
City,State,Zip:	NORCO, CA 92860
Site ID:	938223
CERS ID:	914875
CERS Description:	Construction Storm Water

A15 **RIVERSIDE COMMUNITY CAMPUS - NORCO CAMPUS** **E MANIFEST** **1032267862**
Target **2001 WEST 3RD STREET** **N/A**
Property **NORCO, CA 92860**

Site 15 of 16 in cluster A

Actual:
625 ft.

E MANIFEST:

Manifest Tracking Number:	023952361JJK
Last Updated Date:	20231003
Shipped Date:	20230906
Received Date:	20230911
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000113053
Generator Name:	Riverside Community Campus - Norco Campus
Generator Location Street 1:	2001 WEST 3RD STREET
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2001 WEST 3RD STREET
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA

RIVERSIDE COMMUNITY CAMPUS - NORCO CAMPUS (Continued) **1032267862**

Designated Facility EPA ID:	CAD028409019
Designated Facility Name:	Crosby & Overton
Designated Facility Mail Street 2:	1630 W. 17TH STREET
Designated Facility Mail City:	LONG BEACH
Designated Facility Mail Zip:	90813
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1630 W. 17TH STREET
Designated Facility Location City:	LONG BEACH
Designated Facility Location Zip:	90813
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	023952361JJK
Transporter Line Number:	1
Transporter EPA ID:	CAR000183574
Transporter Name:	Emt (Environmental Management Technologies)

Waste Line:

Manifest Tracking Number:	023952361JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN3093
U.S. DOT Description:	Un3093, Waste Corrosive Liquids, Oxidizing, N.O.S. , 8 (5.1), Ii, Rq
Number of Containers:	1
Container Type Code:	DF
Container Type Description:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	30
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.015
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.015
Waste Quantity, in Kilograms:	13.60545
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	13.60545
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	Y
Federal Waste Codes:	D001, D002
Quantity Haz Kg:	13.60545
Quantity Haz Tons:	0.015
State Waste Codes:	CA-551

A16 **NORCO CAMPUS** **AST** **S113064360**
Target **2001 3RD ST** **HWTS** **N/A**
Property **NORCO, CA 92860** **HAZNET**

Site 16 of 16 in cluster A

Actual: 625 ft.

AST:

Name:	RCC-NORCO CAMPUS
Address:	2001 3RD ST
City/Zip:	NORCO,
Owner:	RCC-Norco Campus
CERSID:	10327072
Facility ID:	FA0032279
Business Name:	RCC-Norco Campus
Phone:	(951) 372-7040
Mailing Address:	2001 Third St
Mailing Address City:	Norco
Mailing Address State:	CA
Operator Name:	Steven T. Monsanto
Operator Phone:	(951) 372-7040
Owner Phone:	(951) 372-7040
Owner Mail Address:	2001 Third St
Owner State:	CA
Owner Zip Code:	92860
Owner Country:	United States
Property Owner Name:	Norco College
Property Owner Phone:	(951) 372-7040
Property Owner Mailing Address:	2001 Third St
Property Owner City:	Norco
Property Owner Stat :	CA
Property Owner Zip Code:	92860
Property Owner Country:	United States
EPAID:	CAL000113053

HWTS:

Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 92860
EPA ID:	CAL000113053
Create Date:	03/25/1993
Mailing Address:	2001 THIRD ST
Mailing Address 2:	CA
Mailing City,State,Zip:	NO 928600000
Owner Name:	RIVERSIDE COMMUNITY COLG DIST
Owner Address:	4800 MAGNOLIA AVE
Owner City,State,Zip:	RIVERSIDE, CA 925061299
Contact Name:	JUSTIN CZERNIAK
Contact Address:	2001 THIRD ST
City,State,Zip:	NORCO, CA 92860
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.915373
Longitude:	-117.568832

NAICS:

EPA ID:	CAL000113053
Create Date:	2002-03-14 16:36:28.000
NAICS Code:	61121

NORCO CAMPUS (Continued) **S113064360**

NAICS Description: Junior Colleges
Issued EPA ID Date: 1993-03-25 00:00:00
Facility Name: NORCO COLLEGE
Facility Address: 2001 3RD ST
Facility City: NORCO
Facility State: CA
Facility Zip: 928602627

HAZNET:
Name: NORCO COLLEGE
Address: 2001 3RD ST
City,State,Zip: NORCO, CA 928602627
Contact: JUSTIN CZERNIAK
Telephone: 9513787798
Mailing Address: 2001 THIRD ST

Year: 2024
Gepaid: CAL000113053
CA Waste Code: -
Disposal Method: -

Year: 2021
Gepaid: CAL000113053
TSD EPA ID: CAD028409019
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.159

Year: 2021
Gepaid: CAL000113053
TSD EPA ID: AZR000520478
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.189

Year: 2021
Gepaid: CAL000113053
TSD EPA ID: AZR000520478
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.115

Year: 2021
Gepaid: CAL000113053
TSD EPA ID: UTD981552177
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.1035

Year: 2021
Gepaid: CAL000113053
TSD EPA ID: AZR000520478
CA Waste Code: 551 - Laboratory waste chemicals

NORCO CAMPUS (Continued) **S113064360**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.50542
Year:	2020
Gepaid:	CAL000113053
TSD EPA ID:	AZR000520478
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.777
Year:	2020
Gepaid:	CAL000113053
TSD EPA ID:	AZR000520478
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1175
Year:	2020
Gepaid:	CAL000113053
TSD EPA ID:	CAD044429835
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Year:	2020
Gepaid:	CAL000113053
TSD EPA ID:	UTD981552177
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.215

Click this hyperlink while viewing on your computer to access
81 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Information:

Year:	2024
Shipment Date:	9/9/2024
Shipment Date:	9/9/2024
Receipt Date:	9/11/2024
Manifest Number:	026723268JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	AZR000520478
Waste Code Description:	181 - Not reported

NORCO CAMPUS (Continued) **S113064360**

Meth Code:	H141 - Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Year:	2024
Shipment Date:	9/8/2024
Shipment Date:	9/8/2024
Receipt Date:	9/11/2024
Manifest Number:	026723267JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY, NV 890030000
TSDF Telephone:	7755532203
Waste Code Description:	791 - Not reported
RCRA Code:	D002
Meth Code:	H039 - Not reported
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Year:	2024
Shipment Date:	9/8/2024
Shipment Date:	9/8/2024
Receipt Date:	9/11/2024
Manifest Number:	026723267JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY, NV 890030000
TSDF Telephone:	7755532203
Waste Code Description:	551 - Not reported
RCRA Code:	D001
Meth Code:	H132 - Not reported
Quantity Tons:	0.125
Waste Quantity:	250

NORCO CAMPUS (Continued) **S113064360**

Quantity Unit:	P
Year:	2024
Shipment Date:	2/21/2024
Shipment Date:	2/21/2024
Receipt Date:	2/29/2024
Manifest Number:	026357140JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY, NV 890030000
TSDF Telephone:	7755532203
Waste Code Description:	551 - Not reported
RCRA Code:	D003
Meth Code:	H132 - Not reported
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Year:	2024
Shipment Date:	2/21/2024
Shipment Date:	2/21/2024
Receipt Date:	2/29/2024
Manifest Number:	026357140JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY, NV 890030000
TSDF Telephone:	7755532203
Waste Code Description:	791 - Not reported
RCRA Code:	D002
Meth Code:	H039 - Not reported
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Year:	2024

NORCO CAMPUS (Continued) **S113064360**

Shipment Date:	2/21/2024
Shipment Date:	2/21/2024
Receipt Date:	2/22/2024
Manifest Number:	026357204JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	AZR000520478
Waste Code Description:	135 - Not reported
Meth Code:	H141 - Not reported
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G

Year:	2024
Shipment Date:	2/21/2024
Shipment Date:	2/21/2024
Receipt Date:	2/22/2024
Manifest Number:	026357204JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	AZR000520478
Waste Code Description:	181 - Not reported
Meth Code:	H141 - Not reported
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P

Year:	2024
Shipment Date:	2/21/2024
Shipment Date:	2/21/2024
Receipt Date:	2/22/2024
Manifest Number:	026357204JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC

NORCO CAMPUS (Continued) **S113064360**

Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	AZR000520478
Waste Code Description:	181 - Not reported
Meth Code:	H141 - Not reported
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Year:	2024
Shipment Date:	2/21/2024
Shipment Date:	2/21/2024
Receipt Date:	2/22/2024
Manifest Number:	026357204JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	AZR000520478
Waste Code Description:	551 - Not reported
Meth Code:	H141 - Not reported
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Year:	2024
Shipment Date:	2/21/2024
Shipment Date:	2/21/2024
Receipt Date:	2/29/2024
Manifest Number:	026357140JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO, CA 928602627
Contact:	NORCO COLLEGE
Contact Telephone:	9513787798
Contact Email:	JUSTIN.CZERNIAK@NORCOCOLLEGE.EDU
Transporter 1 EPA ID:	CAR000183574
Transporter Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 1 Emergency Number:	8005796834
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY, NV 890030000
TSDF Telephone:	7755532203
Waste Code Description:	551 - Not reported
RCRA Code:	D001
Meth Code:	H141 - Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P

NORCO CAMPUS (Continued) **S113064360**

Additional Information:

Year:	2021
Shipment Date:	3/3/2020
Shipment Date:	3/3/2020
Receipt Date:	3/6/2020
Manifest Number:	020003508JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF City,State,Zip:	Wilmington 90744
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2021
Shipment Date:	3/3/2020
Shipment Date:	3/3/2020
Receipt Date:	3/6/2020
Manifest Number:	020003508JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF City,State,Zip:	Wilmington 90744
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2021
Shipment Date:	3/3/2020
Shipment Date:	3/3/2020
Receipt Date:	3/6/2020
Manifest Number:	020003509JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO 92860-2627
Contact:	JUSTIN CZERNIAK
Contact Telephone:	951-378-7798
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF City,State,Zip:	PAKER 85344
Waste Code Description:	- Not reported
Meth Code:	- Not reported

NORCO CAMPUS (Continued) **S113064360**

Year:	2021
Shipment Date:	3/3/2020
Shipment Date:	3/3/2020
Receipt Date:	3/6/2020
Manifest Number:	020003509JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO 92860-2627
Contact:	JUSTIN CZERNIAK
Contact Telephone:	951-378-7798
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF City,State,Zip:	PAKER 85344
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2021
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	11/2/2020
Manifest Number:	022013698JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	OKR000031492
TSDF EPA ID:	UTD981552177
TSDF Name:	Clean Harbors Aragonite LLC
TSDF Address 1:	11600 North Aptus Road
TSDF City,State,Zip:	Grantsville 84029
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2021
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	10/21/2020
Manifest Number:	022013699JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO 92860-2627
Contact:	JUSTIN CZERNIAK
Contact Telephone:	951-372-7136
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF City,State,Zip:	PAKER 85344
Waste Code Description:	- Not reported

NORCO CAMPUS (Continued) **S113064360**

Meth Code:	- Not reported
Year:	2021
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	11/2/2020
Manifest Number:	022013698JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	OKR000031492
TSDF EPA ID:	UTD981552177
TSDF Name:	Clean Harbors Aragonite LLC
TSDF Address 1:	11600 North Aptus Road
TSDF City,State,Zip:	Grantsville 84029
Waste Code Description:	- Not reported
Meth Code:	- Not reported
Year:	2021
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	11/2/2020
Manifest Number:	022013698JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	OKR000031492
TSDF EPA ID:	UTD981552177
TSDF Name:	Clean Harbors Aragonite LLC
TSDF Address 1:	11600 North Aptus Road
TSDF City,State,Zip:	Grantsville 84029
Waste Code Description:	- Not reported
Meth Code:	- Not reported
Year:	2021
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	10/21/2020
Manifest Number:	022013699JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO 92860-2627
Contact:	JUSTIN CZERNIAK
Contact Telephone:	951-372-7136
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE

NORCO CAMPUS (Continued) **S113064360**

TSDF City,State,Zip: PAKER 85344
Waste Code Description: - Not reported
Meth Code: - Not reported

Year: 2021
Shipment Date: 10/14/2020
Shipment Date: 10/14/2020
Receipt Date: 11/2/2020
Manifest Number: 022013698JJK
Generator EPA ID: CAL000113053
Name: RIVERSIDE COMMUNITY COLLEGE-NORCO
Address: 2001 THIRD STREET
City,State,Zip: NORCO 92860
Contact: JEREMY BROWN
Contact Telephone: 951-372-7000
Transporter 1 EPA ID: CAR000183574
Transporter 2 EPA ID: OKR000031492
TSDF EPA ID: UTD981552177
TSDF Name: Clean Harbors Aragonite LLC
TSDF Address 1: 11600 North Aptus Road
TSDF City,State,Zip: Grantsville 84029
Waste Code Description: - Not reported
Meth Code: - Not reported

Additional Information:
Year: 2020
Shipment Date: 3/3/2020
Shipment Date: 3/3/2020
Receipt Date: 3/6/2020
Manifest Number: 020003508JJK
Generator EPA ID: CAL000113053
Name: RIVERSIDE COMMUNITY COLLEGE-NORCO
Address: 2001 THIRD STREET
City,State,Zip: NORCO 92860
Contact: JEREMY BROWN
Contact Telephone: 951-372-7000
Transporter 1 EPA ID: CAR000183574
TSDF EPA ID: CAD044429835
TSDF Name: Clean Harbors Wilmington LLC
TSDF Address 1: 1737 East Denni Street
TSDF City,State,Zip: Wilmington 90744
Waste Code Description: - Not reported
Meth Code: - Not reported

Year: 2020
Shipment Date: 3/3/2020
Shipment Date: 3/3/2020
Receipt Date: 3/6/2020
Manifest Number: 020003508JJK
Generator EPA ID: CAL000113053
Name: RIVERSIDE COMMUNITY COLLEGE-NORCO
Address: 2001 THIRD STREET
City,State,Zip: NORCO 92860
Contact: JEREMY BROWN
Contact Telephone: 951-372-7000
Transporter 1 EPA ID: CAR000183574
TSDF EPA ID: CAD044429835

NORCO CAMPUS (Continued) **S113064360**

TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF City,State,Zip:	Wilmington 90744
Waste Code Description:	- Not reported
Meth Code:	- Not reported
Year:	2020
Shipment Date:	3/3/2020
Shipment Date:	3/3/2020
Receipt Date:	3/6/2020
Manifest Number:	020003509JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO 92860-2627
Contact:	JUSTIN CZERNIAK
Contact Telephone:	951-378-7798
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF City,State,Zip:	PAKER 85344
Waste Code Description:	- Not reported
Meth Code:	- Not reported
Year:	2020
Shipment Date:	3/3/2020
Shipment Date:	3/3/2020
Receipt Date:	3/6/2020
Manifest Number:	020003509JJK
Generator EPA ID:	CAL000113053
Name:	NORCO COLLEGE
Address:	2001 3RD ST
City,State,Zip:	NORCO 92860-2627
Contact:	JUSTIN CZERNIAK
Contact Telephone:	951-378-7798
Transporter 1 EPA ID:	CAR000183574
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF City,State,Zip:	PAKER 85344
Waste Code Description:	- Not reported
Meth Code:	- Not reported
Year:	2020
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	11/2/2020
Manifest Number:	022013698JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	OKR000031492

NORCO CAMPUS (Continued) **S113064360**

TSDF EPA ID:	UTD981552177
TSDF Name:	Clean Harbors Aragonite LLC
TSDF Address 1:	11600 North Aptus Road
TSDF City,State,Zip:	Grantsville 84029
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2020
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	11/2/2020
Manifest Number:	022013698JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	OKR000031492
TSDF EPA ID:	UTD981552177
TSDF Name:	Clean Harbors Aragonite LLC
TSDF Address 1:	11600 North Aptus Road
TSDF City,State,Zip:	Grantsville 84029
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2020
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	11/2/2020
Manifest Number:	022013698JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN
Contact Telephone:	951-372-7000
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	OKR000031492
TSDF EPA ID:	UTD981552177
TSDF Name:	Clean Harbors Aragonite LLC
TSDF Address 1:	11600 North Aptus Road
TSDF City,State,Zip:	Grantsville 84029
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2020
Shipment Date:	10/14/2020
Shipment Date:	10/14/2020
Receipt Date:	11/2/2020
Manifest Number:	022013698JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE-NORCO
Address:	2001 THIRD STREET
City,State,Zip:	NORCO 92860
Contact:	JEREMY BROWN

NORCO CAMPUS (Continued) **S113064360**

Contact Telephone: 951-372-7000
Transporter 1 EPA ID: CAR000183574
Transporter 2 EPA ID: OKR000031492
TSDF EPA ID: UTD981552177
TSDF Name: Clean Harbors Aragonite LLC
TSDF Address 1: 11600 North Aptus Road
TSDF City,State,Zip: Grantsville 84029
Waste Code Description: - Not reported
Meth Code: - Not reported

Year: 2020
Shipment Date: 10/14/2020
Shipment Date: 10/14/2020
Receipt Date: 10/21/2020
Manifest Number: 022013699JJK
Generator EPA ID: CAL000113053
Name: NORCO COLLEGE
Address: 2001 3RD ST
City,State,Zip: NORCO 92860-2627
Contact: JUSTIN CZERNIAK
Contact Telephone: 951-372-7136
Transporter 1 EPA ID: CAR000183574
TSDF EPA ID: AZR000520478
TSDF Name: ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1: 31915 INDUSTRIAL LANE
TSDF City,State,Zip: PAKER 85344
Waste Code Description: - Not reported
Meth Code: - Not reported

Year: 2020
Shipment Date: 10/14/2020
Shipment Date: 10/14/2020
Receipt Date: 10/21/2020
Manifest Number: 022013699JJK
Generator EPA ID: CAL000113053
Name: NORCO COLLEGE
Address: 2001 3RD ST
City,State,Zip: NORCO 92860-2627
Contact: JUSTIN CZERNIAK
Contact Telephone: 951-372-7136
Transporter 1 EPA ID: CAR000183574
TSDF EPA ID: AZR000520478
TSDF Name: ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1: 31915 INDUSTRIAL LANE
TSDF City,State,Zip: PAKER 85344
Waste Code Description: - Not reported
Meth Code: - Not reported

Additional Information:
Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Shipment Date: 7/21/2007
Shipment Date: 7/21/2007
Receipt Date: 8/8/2017
Manifest Number: 016092286JJK
Generator EPA ID: CAL000113053
Name: RIVERSIDE COMMUNITY COLLEGE (NORCO CAMPUS)

NORCO CAMPUS (Continued) **S113064360**

Transporter 1 EPA ID: CAR000183574
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD983649880
TSDF Name: RHO-CHEM
Waste Code Description: - Not reported
Meth Code: - Not reported

Federal:
Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.04000
Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.04000
Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.04000
Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D011

Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK

NORCO CAMPUS (Continued) **S113064360**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.03750
Quantity Waste:	75.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03750
Quantity Waste:	75.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03750
Quantity Waste:	75.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1

NORCO CAMPUS (Continued) **S113064360**

Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	5
Method Code:	H061
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	5
Method Code:	H061
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005

NORCO CAMPUS (Continued) **S113064360**

Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	7
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	7
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011

Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	8
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	8
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

NORCO CAMPUS (Continued) **S113064360**

Quantity Type: NULL
Federal Code: D002

State:
Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.04000
Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.03750
Quantity Waste: 75.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK
Line Number: 3
Method Code: H141
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 016092286JJK20170721_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2007-07-21
Manifest Number: 016092286JJK
Line Number: 4
Method Code: H141
Quantity Tons: 0.00500

NORCO CAMPUS (Continued) **S113064360**

Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	5
Method Code:	H061
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK
Line Number:	7
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	016092286JJK20170721_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2007-07-21
Manifest Number:	016092286JJK

NORCO CAMPUS (Continued) **S113064360**

Line Number:	8
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	016092319JJK20170629_D_1
Shipment Date:	6/29/2017
Shipment Date:	6/29/2017
Receipt Date:	7/24/2017
Manifest Number:	016092319JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE (NORCO CAMPUS)
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	MNS000110924
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY
Waste Code Description:	- Not reported
Meth Code:	- Not reported

State:

Year:	2018
EM Manifest ID:	016092319JJK20170629_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2017-06-29
Manifest Number:	016092319JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.41700
Quantity Waste:	100.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	222

Year:	2018
EM Manifest ID:	018528041JJK20180523_D_1
Shipment Date:	5/23/2018
Shipment Date:	5/23/2018
Receipt Date:	6/11/2018
Manifest Number:	018528041JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE (NORCO CAMPUS)
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	MNS000110924
TSDF EPA ID:	CAD983649880
TSDF Name:	RHO-CHEM
Waste Code Description:	- Not reported
Meth Code:	- Not reported

NORCO CAMPUS (Continued) **S113064360**

Federal:

Year:	2018
EM Manifest ID:	018528041JJK20180523_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-05-23
Manifest Number:	018528041JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	018528041JJK20180523_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-05-23
Manifest Number:	018528041JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	018528041JJK20180523_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-05-23
Manifest Number:	018528041JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	018528041JJK20180523_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-05-23
Manifest Number:	018528041JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000

NORCO CAMPUS (Continued) **S113064360**

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 018528041JJK20180523_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-05-23
Manifest Number: 018528041JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 018528041JJK20180523_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-05-23
Manifest Number: 018528041JJK
Line Number: 3
Method Code: H141
Quantity Tons: 0.01000
Quantity Waste: 20.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 017548192JJK20180326_D_1
Shipment Date: 3/26/2018
Shipment Date: 3/26/2018
Receipt Date: 4/25/2018
Manifest Number: 017548192JJK
Generator EPA ID: CAL000113053
Name: RIVERSIDE COMMUNITY COLLEGE (NORCO CAMPUS)
Transporter 1 EPA ID: CAR000183574
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD983649880
TSDF Name: RHO-CHEM
Waste Code Description: - Not reported
Meth Code: - Not reported

Federal:
Year: 2018
EM Manifest ID: 017548192JJK20180326_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-03-26
Manifest Number: 017548192JJK

NORCO CAMPUS (Continued) **S113064360**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017548192JJK20180326_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-03-26
Manifest Number:	017548192JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	017548192JJK20180326_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-03-26
Manifest Number:	017548192JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Shipment Date:	1/12/2018
Shipment Date:	1/12/2018
Receipt Date:	1/25/2018
Manifest Number:	017548061JJK
Generator EPA ID:	CAL000113053
Name:	RIVERSIDE COMMUNITY COLLEGE (NORCO CAMPUS)
Transporter 1 EPA ID:	CAR000183574
Transporter 2 EPA ID:	MNS000110924
TSDF EPA ID:	CAD983649880
TSDF Name:	RHO-CHEM
Waste Code Description:	- Not reported
Meth Code:	- Not reported

NORCO CAMPUS (Continued) **S113064360**

Federal:

Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011

Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1

NORCO CAMPUS (Continued) **S113064360**

Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.10000

NORCO CAMPUS (Continued) **S113064360**

Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK

NORCO CAMPUS (Continued) **S113064360**

Line Number:	5
Method Code:	H141
Quantity Tons:	0.06500
Quantity Waste:	130.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	7
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1

NORCO CAMPUS (Continued) **S113064360**

Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	9
Method Code:	H141
Quantity Tons:	0.09500
Quantity Waste:	190.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	9
Method Code:	H141
Quantity Tons:	0.09500
Quantity Waste:	190.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	9
Method Code:	H141
Quantity Tons:	0.09500
Quantity Waste:	190.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	F003

NORCO CAMPUS (Continued) **S113064360**

Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 10
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 10
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F002

State:
Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.03250
Quantity Waste: 65.000000
Quantity Unit: P
Number of Containers: 1

NORCO CAMPUS (Continued) **S113064360**

Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 3
Method Code: H141
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 4
Method Code: H141
Quantity Tons: 0.03250
Quantity Waste: 65.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 5
Method Code: H141
Quantity Tons: 0.06500
Quantity Waste: 130.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 551

Year: 2018
EM Manifest ID: 017548061JJK20180112_D_1
Generator EPA ID: CAL000113053
Shipment Date: 2018-01-12
Manifest Number: 017548061JJK
Line Number: 6
Method Code: H141
Quantity Tons: 0.03250

NORCO CAMPUS (Continued) **S113064360**

Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	7
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	8
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK
Line Number:	9
Method Code:	H141
Quantity Tons:	0.09500
Quantity Waste:	190.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551
Year:	2018
EM Manifest ID:	017548061JJK20180112_D_1
Generator EPA ID:	CAL000113053
Shipment Date:	2018-01-12
Manifest Number:	017548061JJK

NORCO CAMPUS (Continued) **S113064360**

Line Number:	10
Method Code:	H141
Quantity Tons:	0.03000
Quantity Waste:	60.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	551

Additional Information:

Year:	2017
Gen EPA ID:	CAL000113053
Shipment Date:	20170810
Creation Date:	5/31/2018 18:30:25
Receipt Date:	20170810
Manifest ID:	017480568JJK
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Shipment Date:	20170810
Creation Date:	5/31/2018 18:30:25
Receipt Date:	20170810
Manifest ID:	017480568JJK
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Shipment Date:	20170629
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20170724
Manifest ID:	016092319JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
Waste Code Description:	222 - Oil/water separation sludge
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

NORCO CAMPUS (Continued) **S113064360**

	Regeneration, Organics Recovery Ect
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Shipment Date:	20170214
Creation Date:	5/18/2017 18:32:12
Receipt Date:	20170215
Manifest ID:	016786605JJK
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES, INC.
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Shipment Date:	20170117
Creation Date:	3/20/2017 18:31:24
Receipt Date:	20170127
Manifest ID:	016092900JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Shipment Date:	20170117
Creation Date:	3/20/2017 18:31:24
Receipt Date:	20170127
Manifest ID:	016092900JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001

NORCO CAMPUS (Continued) **S113064360**

Shipment Date:	20170117
Creation Date:	3/20/2017 18:31:24
Receipt Date:	20170127
Manifest ID:	016092900JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0475
Waste Quantity:	95
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001

Shipment Date:	20170117
Manifest ID:	016092900JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D001

Shipment Date:	20170117
Manifest ID:	016092900JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D001

Shipment Date:	20170117
Manifest ID:	016092900JJK

NORCO CAMPUS (Continued) **S113064360**

Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U133
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D002

Additional Information:

Year:	2016
Gen EPA ID:	CAL000113053
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150821
Manifest ID:	013358934JJK
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.192
Waste Quantity:	384
Quantity Unit:	P
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20150609
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574

NORCO CAMPUS (Continued) **S113064360**

Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Shipment Date:	20150609
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC

NORCO CAMPUS (Continued) **S113064360**

Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20150219
Creation Date:	5/18/2015 22:15:34
Receipt Date:	20150226
Manifest ID:	013358372JJK
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Shipment Date:	20150114
Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150119
Manifest ID:	012868998JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002

NORCO CAMPUS (Continued) **S113064360**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Shipment Date:	20150114
Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150119
Manifest ID:	012868998JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0525
Waste Quantity:	105
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001

Additional Information:

Year:	2015
Gen EPA ID:	CAL000113053
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150821
Manifest ID:	013358934JJK
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.192
Waste Quantity:	384
Quantity Unit:	P
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F003

NORCO CAMPUS (Continued) **S113064360**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20150609
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

NORCO CAMPUS (Continued) **S113064360**

RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Shipment Date:	20150609
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150619
Manifest ID:	013433384JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Shipment Date:	20150219
Creation Date:	5/18/2015 22:15:34
Receipt Date:	20150226
Manifest ID:	013358372JJK
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Shipment Date:	20150114

NORCO CAMPUS (Continued) **S113064360**

Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150119
Manifest ID:	012868998JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P

Shipment Date:	20150114
Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150119
Manifest ID:	012868998JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	- Not reported
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001

Additional Information:

Year:	2014
Gen EPA ID:	CAL000113053

Shipment Date:	20140821
Creation Date:	12/3/2014 22:15:08
Receipt Date:	20140829
Manifest ID:	012868753JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75

NORCO CAMPUS (Continued) **S113064360**

Quantity Unit:	P
Shipment Date:	20140821
Creation Date:	12/3/2014 22:15:08
Receipt Date:	20140829
Manifest ID:	012868753JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20140821
Creation Date:	12/3/2014 22:15:08
Receipt Date:	20140829
Manifest ID:	012868753JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.043
Waste Quantity:	86
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20140821
Creation Date:	12/3/2014 22:15:08
Receipt Date:	20140829
Manifest ID:	012868753JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40

NORCO CAMPUS (Continued) **S113064360**

Quantity Unit:	P
Shipment Date:	20140821
Manifest ID:	012868753JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Shipment Date:	20140821
Creation Date:	1/26/2015 22:15:30
Receipt Date:	20140826
Manifest ID:	012868754JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Shipment Date:	20140723
Creation Date:	9/23/2014 22:15:24
Receipt Date:	20140729
Manifest ID:	011835367JJK
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Shipment Date:	20140129
Creation Date:	6/13/2014 22:15:06
Receipt Date:	20140211
Manifest ID:	012107901JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES

NORCO CAMPUS (Continued) **S113064360**

Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20140129
Creation Date:	6/13/2014 22:15:06
Receipt Date:	20140211
Manifest ID:	012107900JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20140129
Creation Date:	7/7/2014 22:15:06
Receipt Date:	20140213
Manifest ID:	012107899JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P

Additional Information:

Year:	2013
Gen EPA ID:	CAL000113053
Shipment Date:	20130828
Creation Date:	1/7/2014 22:15:14
Receipt Date:	20130904
Manifest ID:	012107668JJK
Trans EPA ID:	CAR000183574

NORCO CAMPUS (Continued) **S113064360**

Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRAIL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
Waste Code Description:	222 - Oil/water separation sludge
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Shipment Date:	20130826
Creation Date:	12/27/2013 22:15:07
Receipt Date:	20130829
Manifest ID:	012107662JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
Waste Code Description:	291 - Latex waste
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Shipment Date:	20130716
Creation Date:	9/22/2013 22:15:08
Receipt Date:	20130725
Manifest ID:	009943376JJK
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Shipment Date:	20130501
Creation Date:	7/16/2013 22:15:16
Receipt Date:	20130508
Manifest ID:	011197074JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

NORCO CAMPUS (Continued) **S113064360**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	68
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D002
Additional Code 3:	D001
Shipment Date:	20130501
Creation Date:	7/16/2013 22:15:16
Receipt Date:	20130508
Manifest ID:	011197074JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Shipment Date:	20130221
Creation Date:	4/22/2013 22:15:05
Receipt Date:	20130305
Manifest ID:	009922907JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Shipment Date:	20130221
Creation Date:	4/22/2013 22:15:05
Receipt Date:	20130305
Manifest ID:	009922907JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA
TSDF EPA ID:	CAD983649880
Trans Name:	RHO-CHEM LLC
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

NORCO CAMPUS (Continued) **S113064360**

RCRA Code: D011
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0185
Waste Quantity: 37
Quantity Unit: P
Additional Code 1: D002
Additional Code 2: D001

Shipment Date: 20130221
Creation Date: 4/22/2013 22:15:05
Receipt Date: 20130305
Manifest ID: 009922907JJK
Trans EPA ID: CAR000183574
Trans Name: ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA
TSDF EPA ID: CAD983649880
Trans Name: RHO-CHEM LLC
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D005
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.017
Waste Quantity: 34
Quantity Unit: P

Shipment Date: 20130221
Creation Date: 4/22/2013 22:15:05
Receipt Date: 20130305
Manifest ID: 009922907JJK
Trans EPA ID: CAR000183574
Trans Name: ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA
TSDF EPA ID: CAD983649880
Trans Name: RHO-CHEM LLC
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.018
Waste Quantity: 36
Quantity Unit: P
Additional Code 1: D001

DOD **NAVAL WEAPONS STATION SEAL BEACH DETACHMENT NORCO** **DOD** **CUSA401218**
Region **N/A**
NNE **, CA**
< 1/8
65 ft.

DOD:
Site Name: NAVAL WEAPONS STATION SEAL BEACH DETACHMENT NORCO
DOD Component: Navy Active
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

B17 **NAVAL ORDNANCE LABORATORY** **UXO** **1024714147**
N/A

< 1/8 **NORCO, CA**
1 ft.

Site 1 of 4 in cluster B

Relative: UXO:
Higher

Actual: DoD Component: FUDS
646 ft. Installation Name: NAVAL ORDNANCE LAB
Name: NAVAL ORDNANCE LABORATORY
City,State,Zip: NORCO, CA
Site ID: 01OEW
Site Type: Unexploded Munitions and Ordnance Area
Latitude: 33.916944000000001
Longitude: -117.56694400000001

B18 **NAVAL ORDNANCE LAB** **ENVIROSTOR** **S107736845**
N/A

< 1/8 **CORONA, CA**
1 ft.

Site 2 of 4 in cluster B

Relative: ENVIROSTOR:
Higher

Actual: Name: NAVAL ORDNANCE LAB
647 ft. City,State,Zip: CORONA, CA
Facility ID: 80000674
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 63
Senate: 32
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.91694
Longitude: -117.5669
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F597800
Alias Type: Federal Facility ID
Alias Name: J09CA1084
Alias Type: INPR
Alias Name: 80000674
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 03/19/1992

NAVAL ORDNANCE LAB (Continued) **S107736845**

B19 **NAVAL ORDNANCE LAB** **FUDS** **1018283080**
N/A

< 1/8
1 ft.

NORCO, CA

Site 3 of 4 in cluster B

Relative:
Higher

Actual:
646 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799F597800
Congressional District Number:	42
Name:	NAVAL ORDNANCE LAB
FUDS Number:	J09CA1084
City:	NORCO
State:	CA
County:	RIVERSIDE
Object ID:	613
USACE Division:	spd
USACE District:	spl
Status:	Properties with all projects at site closeout
Current Owner:	Local: City Educational Purposes

EMS Map Link:

Eligibility:	Eligible
Has Projects:	yes
NPL Status:	Not on the NPL
Project Required:	yes
Feature Description:	Testing Ordnance
Latitude:	33.91694444
Longitude:	-117.56694444

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799F5978
NPL Status:	Not Listed
Description:	141.96 ACRES
History:	TESTING ORDNANCE
CTC:	15
Institutional ID:	61356

C20 **CORONA ANNEX** **UXO** **1024713877**
N/A

< 1/8
1 ft.

NORCO, CA

Site 1 of 2 in cluster C

Relative:
Lower

Actual:
623 ft.

UXO:

DoD Component:	FUDS
Installation Name:	CORONA ANNEX
Name:	CORONA ANNEX
City,State,Zip:	NORCO, CA
Site ID:	01OEW
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	33.917301000000002
Longitude:	-117.57199900000001

C21 **CORONA ANNEX** **FUDS** **1007212248**
N/A

< 1/8
1 ft.

NORCO, CA

Site 2 of 2 in cluster C

Relative:
Lower

Actual:
623 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799F599900
Congressional District Number:	42
Name:	CORONA ANNEX
FUDS Number:	J09CA1120
City:	NORCO
State:	CA
County:	RIVERSIDE
Object ID:	8122
USACE Division:	spd
USACE District:	spl
Status:	Properties with all projects at site closeout
Current Owner:	Fed: Federal ; Local: City

EMS Map Link:

Eligibility:	Eligible
Has Projects:	yes
NPL Status:	Not on the NPL
Project Required:	yes
Feature Description:	The Site Is A Former Navy Site For Testing And Targeting Activities. Beginning In December 1941, The U.S. Acquired A Total Of 713.665 Acres Of Land In Fee And Direct Purchase For The Former Corona Naval Hospital. In 1959, The Entire Site Was Transferred To The Bureau Of Naval Weapons. Subsequently, Portions Of The Site Totaling 467.915 Acres Were Declared Excess, And Selected Parcels Of The Site Were Relinquished And Transferred Through Several Quitclaim Deeds At Various Time Periods To Private Developers And The State Of California. The Navy Currently Occupies 245.75 Acres. Disposals Occurred As Follows: On 30 March 1962, 92.3553 Acres Were Transferred To The State Of California For Use As A Narcotics Rehabilitation Center. On 15 May, 1962, 14.604 Acres Were Transferred To Corona Unified School District. On 19 May 1967 And 23 June 1972, Approx. 219 Acres Were Transferred By Quitclaim Deeds To Lewis Homes And Crestwood Homes Development. On June 1985, 141.86 Acres Were Transferred To Riverside Community College. Military Munitions Were Produced Or Demilitarized At This Location And Therefore May Present An Explosive Hazard.
Latitude:	33.917301
Longitude:	-117.571999

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799F5999
NPL Status:	Not Listed
Description:	The U.S. acquired a total of 713.665 acres of land in fee and direct purchase for the former Corona Naval Hospital, located in the city of Norco, Riverside County, California. The site is located about 3 miles north of the City of Corona, in Norco, Riverside County, California. The site entrance is located on Fifth Street south of Norconian Drive. The site is bounded by Fifth Street to the north, Hamner Avenue to the east, Third Street to the south, and Western Avenue to the west. Disestablishment of the hospital was declared by the Navy on 1 November 1949. The hospital was reopened on 1 June 1951 and the Navy

CORONA ANNEX (Continued) **1007212248**

inactivated the hospital again in September 1957. On 21 September 1959, 580 acres of the former hospital site were transferred to Bureau of Naval Weapons for use by the Naval Ordnance Laboratory. The remaining 115 acres were declared excess and recommended to GSA for disposal.) On 30 March 1962, 92.3553 acres were transferred to the State of California for use as a Narcotics Rehabilitation Center. On 15 May 1962, an additional 14.6014 acres were transferred to Corona Unified School District. On 4 June 1985, 141.86 acres were transferred to Riverside Community College District. Approximately 219 acres were transferred by quitclaim deeds to two private owners on 19 May 1967 and 23 June 1972. These parcels were subsequently purchased by two housing developers. The Seal Beach Naval Weapons Station currently owns 245.75 acres.

History: The site is a former Navy site for testing and targeting activities. Beginning in December 1941, the U.S. acquired a total of 713.665 acres of land in fee and direct purchase for the former Corona Naval Hospital. In 1959, the entire site was transferred to the Bureau of Naval Weapons. Subsequently, portions of the site totaling 467.915 acres were declared excess, and selected parcels of the site were relinquished and transferred through several quitclaim deeds at various time periods to private developers and the State of California. The Navy currently occupies 245.75 acres. Disposals occurred as follows: On 30 March 1962, 92.3553 acres were transferred to the State of California for use as a Narcotics Rehabilitation Center. On 15 May, 1962, 14.604 acres were transferred to Corona Unified School District. On 19 May 1967 and 23 June 1972, approx. 219 acres were transferred by quitclaim deeds to Lewis Homes and Crestwood Homes Development. On June 1985, 141.86 acres were transferred to Riverside Community College. Military munitions were produced or demilitarized at this location and therefore may present an explosive hazard.

CTC: 124.40000000000001
Institutional ID: 61865

B22 **KENNEDY MIDDLE COLLEGE HIGH SCHOOL** **ENVIROSTOR** **S105754264**
East **THIRD STREET** **SCH** **N/A**
< 1/8 **NORCO, CA 92860**
0.044 mi.
234 ft. **Site 4 of 4 in cluster B**

Relative: **Higher**
Actual: **641 ft.**

ENVIROSTOR:

Name:	KENNEDY MIDDLE COLLEGE HIGH SCHOOL
Address:	THIRD STREET
City,State,Zip:	NORCO, CA 92860
Facility ID:	33970012
Status:	Certified
Status Date:	06/14/2005
Site Code:	404413
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	6.45
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63

KENNEDY MIDDLE COLLEGE HIGH SCHOOL (Continued) **S105754264**

Senate: 32
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.9163
Longitude: -117.5665
APN: NONE SPECIFIED
Past Use: * NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Potential COC: Lead Mercury (elemental Methane TPH-diesel Chloroform Hydrogen sulfide Toluene Zinc
Confirmed COC: 30550-NO 30024-NO 30136-NO 30330-NO 30013-NO 30014-NO 30015-NO 30594-NO
Potential Description: SED, SOIL, SV, SURFW
Alias Name: CORONA-NORCO UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: CORONA-NORCO USD-PROPOSED KENNEDY HS
Alias Type: Alternate Name
Alias Name: KENNEDY HIGH SCHOOL
Alias Type: Alternate Name
Alias Name: 110033607274
Alias Type: EPA (FRS #)
Alias Name: 404413
Alias Type: Project Code (Site Code)
Alias Name: 33970012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/10/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 05/19/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 01/12/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/18/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/11/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/27/2004
Comments: DTSC approved SSI workplan with minor comments.

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 01/02/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report

KENNEDY MIDDLE COLLEGE HIGH SCHOOL (Continued) **S105754264**

Completed Date: 04/22/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/15/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/11/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 06/14/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/03/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: * Public Participation
Completed Date: 12/08/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/07/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/09/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/27/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/02/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 01/15/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/16/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: 4.15 Request
Completed Date: 01/21/2005
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/26/2003

KENNEDY MIDDLE COLLEGE HIGH SCHOOL (Continued) **S105754264**

SCH:

Name:	KENNEDY MIDDLE COLLEGE HIGH SCHOOL
Address:	THIRD STREET
City,State,Zip:	NORCO, CA 92860
Facility ID:	33970012
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	6.45
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404413
Assembly:	63
Senate:	32
Status:	Certified
Status Date:	06/14/2005
Restricted Use:	NO
Funding:	School District
Latitude:	33.9163
Longitude:	-117.5665
APN:	NONE SPECIFIED
Past Use:	* NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Potential COC:	Lead, Mercury (elemental, Methane, TPH-diesel, Chloroform, Hydrogen sulfide, Toluene, Zinc
Confirmed COC:	30550-NO, 30024-NO, 30136-NO, 30330-NO, 30013-NO, 30014-NO, 30015-NO, 30594-NO
Potential Description:	SED, SOIL, SV, SURFW
Alias Name:	CORONA-NORCO UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	CORONA-NORCO USD-PROPOSED KENNEDY HS
Alias Type:	Alternate Name
Alias Name:	KENNEDY HIGH SCHOOL
Alias Type:	Alternate Name
Alias Name:	110033607274
Alias Type:	EPA (FRS #)
Alias Name:	404413
Alias Type:	Project Code (Site Code)
Alias Name:	33970012
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	03/10/2005
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Removal Action Completion Report
Completed Date:	05/19/2005
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Removal Action Workplan
Completed Date:	01/12/2005

KENNEDY MIDDLE COLLEGE HIGH SCHOOL (Continued) **S105754264**

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/18/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/11/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/27/2004
Comments: DTSC approved SSI workplan with minor comments.

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 01/02/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 04/22/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/15/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/11/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 06/14/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/03/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: * Public Participation
Completed Date: 12/08/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/07/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/09/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/27/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/02/2005

KENNEDY MIDDLE COLLEGE HIGH SCHOOL (Continued) **S105754264**

Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 01/15/2003

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/16/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: 4.15 Request
Completed Date: 01/21/2005
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/26/2003

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23 **2398 MOUNTAIN AVE** **RCRA NonGen / NLR** **1028887256**
SE **2398 MOUNTAIN AVE** **E MANIFEST** **CAC003248094**
< 1/8 **NORCO, CA 92860**
0.094 mi.
498 ft.

Relative: **Lower**
Actual: **624 ft.**

RCRA Listings:

Date Form Received by Agency:		20230822
Handler Name:		2398 Mountain Ave
Handler Address:		2398 Mountain Ave
Handler City,State,Zip:		NORCO, CA 92860
EPA ID:		CAC003248094
Contact Name:		CHARLES TARVER
Contact Address:		2398 MOUNTAIN AVE
Contact City,State,Zip:		NORCO, CA 92860
Contact Telephone:		909-376-4414
Contact Email:		RESCUEELECTRIC@HOTMAIL.COM
EPA Region:		09
Federal Waste Generator Description:		Not a generator, verified
Mailing Address:		2398 MOUNTAIN AVE
Mailing City,State,Zip:		NORCO, CA 92860
Owner Name:	Charles Tarver	
Owner Type:		Other
Operator Name:	Charles Tarver	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---

2398 MOUNTAIN AVE (Continued) **1028887256**

Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20241212
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHARLES TARVER	
Legal Status:	Other
Owner/Operator Address:	2398 MOUNTAIN AVE
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	909-376-4414
Owner/Operator Indicator:	Operator
Owner/Operator Name: CHARLES TARVER	
Legal Status:	Other
Owner/Operator Address:	2398 MOUNTAIN AVE
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	909-376-4414

Historic Generators:

Receive Date:	20230822
Handler Name: 2398 MOUNTAIN AVE	
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	All Other Waste Management Services

2398 MOUNTAIN AVE (Continued) **1028887256**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E MANIFEST:

Manifest Tracking Number:	025513157JJK
Last Updated Date:	20231017
Shipped Date:	20231006
Received Date:	20231006
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAC003248094
Generator Name:	Charles Tarver
Generator Location Street 1:	2398 MOUNTAIN AVE
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2398 MOUNTAIN AVE
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	CAD009007626
Designated Facility Name:	Azusa Land Reclamation Co Inc
Designated Facility Mail Street 2:	1211 W. GLADSTONE STREET
Designated Facility Mail City:	AZUSA
Designated Facility Mail Zip:	91702
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1211 W. GLADSTONE STREET
Designated Facility Location City:	AZUSA
Designated Facility Location Zip:	91702
Designated Facility Location State:	CA
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	025513157JJK
Transporter Line Number:	1
Transporter EPA ID:	CAR000152058
Transporter Name:	Earthwise Services Llc

Waste Line:

Manifest Tracking Number:	025513157JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	NA2212
U.S. DOT Description:	Na2212,, 9, Pg Iii, Rq
Number of Containers:	12
Container Type Code:	BA
Container Type Description:	Burlap, cloth, paper, or plastic bags
Waste Quantity:	1
Quantity Unit of Measure Code:	Y

2398 MOUNTAIN AVE (Continued) **1028887256**

Quantity Unit of Measure Description:	Cubic Yards
Waste Quantity, in Tons:	0.84
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.84
Waste Quantity, in Kilograms:	761.9052
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	761.9052
Management Method Code:	H132
Management Method Description:	LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	N
Quantity Non Haz Kg:	761.9052
Quantity Non Haz Tons:	0.84
State Waste Codes:	CA-151

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24 **CORONA-NORCO USD KENNEDY MIDDLE COLLEGE HIGH SCHOO** **RCRA NonGen / NLR** **1024831573**
East **1951 3RD ST** **CAL000368575**
1/8-1/4 **NORCO, CA 92860**
0.136 mi.
717 ft.

Relative: **Higher**

Actual: **694 ft.**

RCRA Listings:

Date Form Received by Agency:	20111024
Handler Name:	Corona-Norco Usd Kennedy Middle College High School
Handler Address:	1951 3rd St
Handler City,State,Zip:	NORCO, CA 92860
EPA ID:	CAL000368575
Contact Name:	TERRY LONG
Contact Address:	2820 CLARK AVE
Contact City,State,Zip:	NORCO, CA 92860
Contact Telephone:	951-736-3316
Contact Fax:	951-736-7199
Contact Email:	TMLONG@CNUSD.K12.CA.US
EPA Region:	09
Federal Waste Generator Description:	Not a generator, verified
Active Site Indicator:	Handler Activities
Mailing Address:	2820 CLARK AVE
Mailing City,State,Zip:	NORCO, CA 92860-1903
Owner Name:	Corona Norco Unified Sch Dist
Owner Type:	Other
Operator Name:	Terry Long
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---

CORONA-NORCO USD KENNEDY MIDDLE COLLEGE HIGH SCHOOL (Continued) **1024831573**

Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CORONA NORCO UNIFIED SCH DIST
Legal Status:	Other
Owner/Operator Address:	2820 CLARK AVE
Owner/Operator City,State,Zip:	NORCO, CA 92860-1903
Owner/Operator Telephone:	951-736-3316

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TERRY LONG
Legal Status:	Other
Owner/Operator Address:	2820 CLARK AVE
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-736-3316

Historic Generators:

Receive Date:	20111024
Handler Name:	CORONA-NORCO USD KENNEDY MIDDLE COLLEGE HIGH SCHOOL
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

List of NAICS Codes and Descriptions:

NAICS Code:	61111
NAICS Description:	Elementary And Secondary Schools

CORONA-NORCO USD KENNEDY MIDDLE COLLEGE HIGH SCHOOL (Continued) **1024831573**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

25
SSE
1/8-1/4
0.153 mi.
810 ft.

SHARON TIGER
2360 MOUNTAIN AVE
NORCO, CA 92860

RCRA NonGen / NLR **1031465051**
E MANIFEST **CAC003307728**

Relative:
Higher

Actual:
625 ft.

RCRA Listings:

Date Form Received by Agency:	20241231
Handler Name:	Sharon Tiger
Handler Address:	2360 Mountain Ave
Handler City,State,Zip:	NORCO, CA 92860
EPA ID:	CAC003307728
Contact Name:	SHARON TIGER
Contact Address:	2360 MOUNTAIN AVE
Contact City,State,Zip:	NORCO, CA 92860
Contact Telephone:	951-897-4896
Contact Email:	SHARONTIGER38@GMAIL.COM
EPA Region:	09
Federal Waste Generator Description:	Not a generator, verified
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20250108
Recognized Trader-Importer:	No

SHARON TIGER (Continued) **1031465051**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SHARON TIGER	
Legal Status:	Other
Owner/Operator Address:	2360 MOUNTAIN AVE
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-897-4896
Owner/Operator Indicator:	Owner
Owner/Operator Name: SHARON TIGER	
Legal Status:	Other
Owner/Operator Address:	2360 MOUNTAIN AVE
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-897-4896

Historic Generators:

Receive Date:	20240930
Handler Name: SHARON TIGER	
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20241231
Handler Name: SHARON TIGER	
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	All Other Waste Management Services

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SHARON TIGER (Continued) **1031465051**

Evaluation Action Summary:
Evaluations: No Evaluations Found

E MANIFEST:

Manifest Tracking Number:	026830627JJK
Last Updated Date:	20241010
Shipped Date:	20241001
Received Date:	20241004
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAC003307728
Generator Name:	Sharon Tiger
Generator Location Street 1:	2360 MOUNTAIN AVE
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2360 MOUNTAIN AVE
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520882
Designated Facility Name:	La Paz County Landfill
Designated Facility Mail Street 2:	26999 HIGHWAY 95
Designated Facility Mail City:	PARKER
Designated Facility Mail Zip:	85344
Designated Facility Mail State:	AZ
Designated Facility Location Street 1:	26999 HIGHWAY 95
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	026830627JJK
Transporter Line Number:	1
Transporter EPA ID:	CAR000198804
Transporter Name:	J&J Environmental Construction Corp
Manifest Tracking Number:	026830627JJK
Transporter Line Number:	2
Transporter EPA ID:	CAR000049064
Transporter Name:	E C T I

Waste Line:

Manifest Tracking Number:	026830627JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	NA2212
U.S. DOT Description:	Rq, Na2212, Asbestos, 9, Pgiii
Number of Containers:	37
Container Type Code:	BA
Container Type Description:	Burlap, cloth, paper, or plastic bags

SHARON TIGER (Continued) **1031465051**

Waste Quantity:	4
Quantity Unit of Measure Code:	Y
Quantity Unit of Measure Description:	Cubic Yards
Waste Quantity, in Tons:	3.36
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	3.36
Waste Quantity, in Kilograms:	3047.6208
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	3047.6208
Management Method Code:	H132
Management Method Description:	LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	N
Quantity Haz Kg:	0
Quantity Haz Tons:	0
Quantity Non Haz Kg:	3047.6208
Quantity Non Haz Tons:	3.36
State Waste Codes:	CA-151

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26 **JOYCE E NELSON** **RCRA NonGen / NLR** **1026717925**
WSW **2231 CABALLEROS RD** **E MANIFEST** **CAC003106478**
1/8-1/4 **NORCO, CA 92860**
0.169 mi.
891 ft.

Relative: **Lower**
Actual: **615 ft.**

RCRA Listings:

Date Form Received by Agency:		20210219
Handler Name:		2231 Caballeros Rd
Handler Address:		2231 Caballeros Rd
Handler City,State,Zip:		NORCO, CA 92860
EPA ID:		CAC003106478
Contact Name:		JOYCE NELSON
Contact Address:		2231 CABALLEROS RD
Contact City,State,Zip:		NORCO, CA 92860
Contact Telephone:		951-768-3101
Contact Email:		FAVILA@BURNS-ENVIRO.COM
EPA Region:		09
Federal Waste Generator Description:		Not a generator, verified
Mailing Address:		2231 CABALLEROS RD
Mailing City,State,Zip:		NORCO, CA 92860
Owner Name:	Joyce E Nelson	
Owner Type:		Other
Operator Name:	Joyce Nelson	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No

JOYCE E NELSON (Continued) **1026717925**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20241211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JOYCE E NELSON	
Legal Status:	Other
Owner/Operator Address:	5325 E PIONEER ST
Owner/Operator City,State,Zip:	APACHE JUNCTION, AZ 85119
Owner/Operator Telephone:	951-768-3101
Owner/Operator Indicator:	Operator
Owner/Operator Name: JOYCE NELSON	
Legal Status:	Other
Owner/Operator Address:	2231 CABALLEROS RD
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-768-3101

Historic Generators:

Receive Date:	20210219
Handler Name: 2231 CABALLEROS RD	
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

JOYCE E NELSON (Continued) **1026717925**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: All Other Waste Management Services

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E MANIFEST:

Manifest Tracking Number:	006661926GBF
Last Updated Date:	20210405
Shipped Date:	20210220
Received Date:	20210301
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAC003106478
Generator Name:	Joyce E Nelson
Generator Location Street 1:	2231 CABALLEROS RD
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	5325 E PIONEER ST
Generator Mail City:	APACHE JUNCTION
Generator Mail Zip:	85119
Generator Mail State:	AZ
Designated Facility EPA ID:	CAD009007626
Designated Facility Mail Street 2:	1211 W. GLADSTONE STREET
Designated Facility Mail City:	AZUSA
Designated Facility Mail Zip:	91702
Designated Facility Mail State:	CA
Designated Facility Location Street 1:	1211 W. GLADSTONE STREET
Designated Facility Location City:	AZUSA
Designated Facility Location Zip:	91702
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Azusa Land Reclamation Co Inc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	006661926GBF
Transporter Line Number:	1
Transporter EPA ID:	CAL000395969
Transporter Name:	Burns & Partners Inc

Manifest Tracking Number:	006661926GBF
Transporter Line Number:	2
Transporter EPA ID:	CAR000181891
Transporter Name:	Usa Waste Of Ca Inc Dba Bdc Special Wast

Waste Line:

JOYCE E NELSON (Continued) **1026717925**

Manifest Tracking Number:	006661926GBF
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	NA2212
U.S. DOT Description:	Rq Na2212, Asbestos, 9, Pg Iii
Number of Containers:	39
Container Type Code:	BA
Container Type Description:	Burlap, cloth, paper, or plastic bags
Waste Quantity:	4
Quantity Unit of Measure Code:	Y
Quantity Unit of Measure Description:	Cubic Yards
Waste Quantity, in Tons:	3.36
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	3.36
Waste Quantity, in Kilograms:	3047.6208
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	3047.6208
Management Method Code:	H132
Management Method Description:	LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
EPA Waste Indicator:	N
Quantity Haz Kg:	0
Quantity Haz Tons:	0
Quantity Non Haz Kg:	3047.6208
Quantity Non Haz Tons:	3.36
State Waste Codes:	CA-151

D27 **DEAN HANNEMAN** **RCRA NonGen / NLR** **1024763225**
SW **2171 IINDIAN HORSE DR.** **CAC002983088**
1/8-1/4 **NORCO, CA 92860**
0.187 mi.
987 ft. **Site 1 of 4 in cluster D**

Relative: **Lower**
Actual: **591 ft.**

RCRA Listings:

Date Form Received by Agency:		20181002
Handler Name:		Dean Hanneman
Handler Address:		2171 Iindian Horse Dr.
Handler City,State,Zip:		NORCO, CA 92860
EPA ID:		CAC002983088
Contact Name:		DEAN HANNEMAN
Contact Address:		2171 IINDIAN HORSE DR.
Contact City,State,Zip:		NORCO, CA 92860
Contact Telephone:		951-733-1408
Contact Email:		HANNFFCA@GMAIL.COM
EPA Region:		09
Federal Waste Generator Description:		Not a generator, verified
Active Site Indicator:		Handler Activities
Mailing Address:		2171 IINDIAN HORSE DR.
Mailing City,State,Zip:		NORCO, CA 92860
Owner Name:	Dean Hanneman	
Owner Type:		Other
Operator Name:	Dean Hanneman	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No

DEAN HANNEMAN (Continued) **1024763225**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DEAN HANNEMAN	
Legal Status:	Other
Owner/Operator Address:	2171 IINDIAN HORSE DR.
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-733-1408
Owner/Operator Indicator:	Operator
Owner/Operator Name: DEAN HANNEMAN	
Legal Status:	Other
Owner/Operator Address:	2171 IINDIAN HORSE DR.
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-733-1408

Historic Generators:

Receive Date:	20181002
Handler Name: DEAN HANNEMAN	
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No

DEAN HANNEMAN (Continued) **1024763225**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Code: 238330
NAICS Description: Flooring Contractors

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D28 **DANIEL YAKEL** **RCRA NonGen / NLR** **1026483169**
SSW **2135 PACIFIC AVENUE** **CAC003089231**
1/8-1/4 **NORCO, CA 92860**
0.201 mi.
1060 ft. **Site 2 of 4 in cluster D**

Relative: **Lower**
Actual: **587 ft.**

RCRA Listings:
Date Form Received by Agency: 20201020
Handler Name: Daniel Yakel
Handler Address: 2135 Pacific Avenue
Handler City,State,Zip: NORCO, CA 92860
EPA ID: CAC003089231
Contact Name: DANIEL YAKEL
Contact Address: 2135 PACIFIC AVENUE
Contact City,State,Zip: NORCO, CA 92860
Contact Telephone: 951-532-9800
Contact Email: KC@AQHIINC.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Mailing Address: 2135 PACIFIC AVENUE
Mailing City,State,Zip: NORCO, CA 92860
Owner Name: Daniel Yakel
Owner Type: Other
Operator Name: Daniel Yakel
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site State-Reg Handler: ---

DANIEL YAKEL (Continued) **1026483169**

Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20201026
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DANIEL YAKEL	
Legal Status:	Other
Owner/Operator Address:	2135 PACIFIC AVENUE
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-532-9800
Owner/Operator Indicator:	Operator
Owner/Operator Name: DANIEL YAKEL	
Legal Status:	Other
Owner/Operator Address:	2135 PACIFIC AVENUE
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	951-532-9800

Historic Generators:

Receive Date:	20201020
Handler Name: DANIEL YAKEL	
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	All Other Waste Management Services

DANIEL YAKEL (Continued) **1026483169**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D29 **SUMMER GONZLEZ** **E MANIFEST** **1032320131**
SW **2691 RIDING RING ROAD** **N/A**
1/8-1/4 **NORCO, CA 92860**
0.229 mi.
1211 ft. **Site 3 of 4 in cluster D**

Relative:
Lower

Actual:
589 ft.

E MANIFEST:

Manifest Tracking Number:	016583711FLE
Last Updated Date:	20230420
Shipped Date:	20230318
Received Date:	20230412
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAC003213506
Generator Name:	Summer Gonzlez
Generator Location Street 1:	2691 RIDING RING ROAD
Generator Location City:	NORCO
Generator Location State:	CA
Generator Location Zip:	92860
Generator Mail Street 1:	2691 RIDING RING ROAD
Generator Mail City:	NORCO
Generator Mail Zip:	92860
Generator Mail State:	CA
Designated Facility EPA ID:	AZR000520882
Designated Facility Name:	La Paz County Landfill
Designated Facility Mail Street 2:	26999 HIGHWAY 95
Designated Facility Mail City:	PARKER
Designated Facility Mail Zip:	85344
Designated Facility Mail State:	AZ
Designated Facility Location Street 1:	26999 HIGHWAY 95
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	016583711FLE
Transporter Line Number:	1
Transporter EPA ID:	CAL000456385
Transporter Name:	So Cal Remediation Dba So Cal Abatement
Manifest Tracking Number:	016583711FLE
Transporter Line Number:	2
Transporter EPA ID:	CAR000049064
Transporter Name:	E C T I
Manifest Tracking Number:	016583711FLE

SUMMER GONZLEZ (Continued) **1032320131**

Transporter Line Number: 3
Transporter EPA ID: CAR000045963
Transporter Name: Aro Trucking Inc

Waste Line:
Manifest Tracking Number: 016583711FLE
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: NA2212
U.S. DOT Description: Rq. Na 2212, Asbestos, 9, Pg Iii
Number of Containers: 40
Container Type Code: BA
Container Type Description: Burlap, cloth, paper, or plastic bags
Waste Quantity: 5
Quantity Unit of Measure Code: Y
Quantity Unit of Measure Description: Cubic Yards
Waste Quantity, in Tons: 4.2
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 4.2
Waste Quantity, in Kilograms: 3809.526
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 3809.526
Management Method Code: H132
Management Method Description: LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
EPA Waste Indicator: N
Quantity Non Haz Kg: 3809.526
Quantity Non Haz Tons: 4.2

D30 **2691 RIDING RING ROAD** **RCRA NonGen / NLR** **1027521230**
SW **2691 RIDING RING ROAD** **CAC003213506**
1/8-1/4 **NORCO, CA 92860**
0.229 mi.
1211 ft. **Site 4 of 4 in cluster D**

Relative: **Lower**
Actual: **589 ft.**

RCRA Listings:
Date Form Received by Agency: 20230120
Handler Name: 2691 Riding Ring Road
Handler Address: 2691 Riding Ring Road
Handler City,State,Zip: NORCO, CA 92860
EPA ID: CAC003213506
Contact Name: SUMMER GONZLEZ
Contact Address: 2691 RIDING RING ROAD
Contact City,State,Zip: NORCO, CA 92860
Contact Telephone: 619-850-9190
Contact Email: OFFICE@SOCALABATEMENT.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Mailing Address: 2691 RIDING RING ROAD
Mailing City,State,Zip: NORCO, CA 92860
Owner Name: Summer Gonzlez
Owner Type: Other
Operator Name: Summer Gonzlez
Operator Type: Other
Short-Term Generator Activity: No

2691 RIDING RING ROAD (Continued) **1027521230**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20241212
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SUMMER GONZLEZ	
Legal Status:	Other
Owner/Operator Address:	2691 RIDING RING ROAD
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	619-850-9190
Owner/Operator Indicator:	Operator
Owner/Operator Name: SUMMER GONZLEZ	
Legal Status:	Other
Owner/Operator Address:	2691 RIDING RING ROAD
Owner/Operator City,State,Zip:	NORCO, CA 92860
Owner/Operator Telephone:	619-850-9190

Historic Generators:

Receive Date:	20230120
Handler Name: 2691 RIDING RING ROAD	

2691 RIDING RING ROAD (Continued) **1027521230**

Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	All Other Waste Management Services

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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31 North 1/4-1/2 0.301 mi. 1590 ft. **CORONA NAVAL WEAPONS STATION** **RESPONSE S109034294**
IN THE CITY OF NORCO WEST OF I-15 BETWEEN 5TH STREET AND 3RD **ENVIROSTOR N/A**
NORCO, CA 92860

Relative: Higher

Actual: 653 ft.

RESPONSE:

Name:	CORONA NAVAL WEAPONS STATION
Address:	IN THE CITY OF NORCO WEST OF I-15 BETWEEN 5TH STREET AND 3RD STREET
City,State,Zip:	NORCO, CA 92860
Facility ID:	80001224
Site Type:	State Response
Site Type Detail:	Open Base
Acres:	50
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Alexis White
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	400496
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	63
Senate:	32
Status:	Active
Status Date:	06/04/2014
Restricted Use:	NO
Funding:	IR
Latitude:	33.92199
Longitude:	-117.5683
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC :	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED

CORONA NAVAL WEAPONS STATION (Continued) **S109034294**

Alias Name: T10000006535
Alias Type: GeoTracker Global ID
Alias Name: 400496
Alias Type: Project Code (Site Code)
Alias Name: 80001224
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 11/06/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 09/28/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/27/2017

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 03/02/2015
Comments: DTSC has no additional comments on Draft PA WP. Concurrence letter sent to Navy.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/02/2022

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 09/12/2022

Future Area Name: PROJECT WIDE
Future Document Type: Remedial Investigation Report
Future Due Date: 2025
Future Area Name: PROJECT WIDE
Future Document Type: Preliminary Assessment Report
Future Due Date: 2025
Future Area Name: PROJECT WIDE
Future Document Type: Feasibility Study Report
Future Due Date: 2025
Future Area Name: PROJECT WIDE
Future Document Type: Remedial Investigation Report
Future Due Date: 2026
Schedule Area Name: PROJECT WIDE
Schedule Document Type: Site Characterization Report
Schedule Due Date: 03/17/2024

ENVIROSTOR:
Name: CORONA NAVAL WEAPONS STATION
Address: IN THE CITY OF NORCO WEST OF I-15 BETWEEN 5TH STREET AND 3RD STREET
City,State,Zip: NORCO, CA 92860
Facility ID: 80001224
Status: Active
Status Date: 06/04/2014

CORONA NAVAL WEAPONS STATION (Continued) **S109034294**

Site Code: 400496
Site Type: State Response
Site Type Detailed: Open Base
Acres: 50
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Alexis White
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 63
Senate: 32
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: IR
Latitude: 33.92199
Longitude: -117.5683
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: T10000006535
Alias Type: GeoTracker Global ID
Alias Name: 400496
Alias Type: Project Code (Site Code)
Alias Name: 80001224
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 11/06/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 09/28/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/27/2017

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 03/02/2015
Comments: DTSC has no additional comments on Draft PA WP. Concurrence letter sent to Navy.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/02/2022

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 09/12/2022

Future Area Name: PROJECT WIDE
Future Document Type: Remedial Investigation Report

CORONA NAVAL WEAPONS STATION (Continued) **S109034294**

Future Due Date:	2025
Future Area Name:	PROJECT WIDE
Future Document Type:	Preliminary Assessment Report
Future Due Date:	2025
Future Area Name:	PROJECT WIDE
Future Document Type:	Feasibility Study Report
Future Due Date:	2025
Future Area Name:	PROJECT WIDE
Future Document Type:	Remedial Investigation Report
Future Due Date:	2026
Schedule Area Name:	PROJECT WIDE
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	03/17/2024

E32 **THRIFTY OIL #338** **LUST** **U001569928**
ENE **2600 HAMNER AVE** **HIST UST** **N/A**
1/4-1/2 **NORCO, CA 91760** **Cortese**
0.397 mi. **Notify 65**
2094 ft. **Site 1 of 3 in cluster E** **CERS**

Relative: **Lower**
Actual: **618 ft.**

LUST:

Name:	THRIFTY OIL #338
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 91760
Lead Agency:	RIVERSIDE COUNTY
Case Type:	LUST Cleanup Site

Geo Track:

Global Id:	T0606500206
Latitude:	33.9193028
Longitude:	-117.5599784
Status:	Completed - Case Closed
Status Date:	08/31/2011
Case Worker:	AB
RB Case Number:	083301646T
Local Agency:	RIVERSIDE COUNTY
File Location:	Local Agency Warehouse
Local Case Number:	90776
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Begin Date:	08/08/1990
Leak Reported Date:	08/21/1990
How Discovered:	Tank Closure
Discharge Source:	Tank
Discharge Cause:	Corrosion
Stop Method:	Close and Replace Tank
No Further Action Date:	08/31/2011
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Temescal (801.25)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Temescal (8-002.09)
CA Enviroscreen 3 Score:	51-55%
CA Enviroscreen 4 Score:	55-60%
Military DOD Site:	No
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	****Data prior to 2005 does not appear in GeoTracker*** Release Information: In August 1990, four steel USTs were removed and replaced in an alternate location on-site. Eight (8) soil samples

THRIFTY OIL #338 (Continued) **U001569928**

were collected from beneath the tanks and concentrations up to 2520 ppm TPHg and 1.3 ppm benzene were detected in the soil samples. An unauthorized release report was filed and the site was placed into the LOP. Assessment: June 1991 Three soil borings (BW-2, BW-3, and BW-5) were drilled to depths of 30 feet below ground surface (bgs) and three monitoring wells (BW-1, BW-4, and BW-6) were installed to approximately 45 feet bgs. TPH concentrations ranging from non-detect to 6100 ppm were detected in soil samples collected from 20 to 30 feet bgs in BW-1 through BW-4. Groundwater was encountered at approximately 30 feet bgs and stabilized at depths ranging from 27 to 32 feet bgs. Groundwater samples contained TPH concentrations ranging from 800 to 4000 ppb. BTEX concentrations ranged from non-detect to 470 ppb. June 1992 - Three additional wells were installed (BW-7 through BW-9). BW-8 hit refusal at 42 feet bgs due to bedrock and well BW-7 was installed off-site in Hamner Avenue. Wells BW-8 and BW-9 were installed upgradient and crossgradient of the existing wells. Hydrocarbons were not detected in the soil or groundwater samples from these wells. Groundwater flow direction was west-southwest with a gradient of 0.01 feet per foot. May 1993 - Four additional borings were drilled (BW-10 through BW-13). BW-10 and BW-11 were converted to groundwater monitoring wells. Groundwater in well BW-6, located immediately south of the former tank pit, had the highest TPH and benzene concentrations (17000 ppb and 140 ppb, respectively). Benzene was not detected in the groundwater from the other monitoring wells, with the exception of BW-11 which had a benzene concentration of 0.4 ppb. July 1997 - Six soil borings (TDD-1,TDD-2,TDD-4,TDD-6,TDD-7,TDD-8) were drilled for further site assessment purposes. Borings were drilled to a maximum depth of 40 feet with one completed as a monitoring well (TDD-6). Highest soil concentrations were detected in TDD-6 (4500 ppm TPHg). 890 ppb MTBE was detected in the groundwater from TDD-6. November 1999 - Two off-site groundwater monitoring wells (BW-14 and BW-15) were installed. TPHg and MTBE were detected in the groundwater from BW-15 at concentrations of 350 ppb and 680 ppb, respectively. May 2001 - Well BW-16 was installed off-site to the south in Lampton Lane. Soil samples from this boring did not contain TPHg or benzene, but contained 0.03 ppm MTBE at 30 feet bgs. 1.4 ppb MTBE was detected in the groundwater from this well. January 2006 - Vapor well VW-1 was installed and off-site well BW-14 was properly destroyed as petroleum constituents had never been detected in this well. Groundwater Remediation: April 13, 2004 to July 6, 2004 - Weekly over-purging of well BW-6 was conducted as an interim groundwater remedial action. Approximately 937 gallons of groundwater was purged and transported off-site for recycling. Soil Remediation: February/March 6, 2006 A soil vapor extraction (SVE) pilot test was performed using BW-1 (screened 10-45 ft bgs), BW-4 (screened 5-45 ft bgs), BW-6 (screened 10-42 ft bgs), and VW-1 (screened 14-29 ft bgs). The test consisted of 20 hours of extraction from each well. BW-1 had the highest hydrocarbon vapor concentrations of all the wells with >1,600 ppmv at startup and 1090 ppmv at the end of the testing period. BW-4 contained hydrocarbon concentrations above 100 ppmv and the remaining wells did not produce any significant concentrations. A total of 42 lbs of hydrocarbon vapors and 0.04 lb MTBE were removed during the event. November/December 2007 Three 5-Day SVE events were conducted using wells BW-1 and BW-4 for extraction. Approximately 201 lbs of hydrocarbons were removed during the 15 days of SVE operation. Final concentrations in well BW-1 were 28 ppmv TPHg, 0.027 ppmv benzene,

THRIFTY OIL #338 (Continued) **U001569928**

and 0.016 ppmv MTBE and final concentrations in well BW-4 were 26 ppmv TPHg, 0.023 ppmv benzene, and 0.013 ppmv MTBE. Verification: Soil verification was not conducted due to low vapor concentrations/mass recovery. Groundwater Monitoring: Groundwater monitoring (gauging and sampling) began in 1991. Historically groundwater depth ranged from 25.5 to 34.64 bgs with a west-southwesterly flow direction and 0.01 ft/ft gradient. Depth to groundwater currently approximately 30 feet bgs. The area of highest contaminant concentrations was around the former UST area. Maximum detected concentrations in the groundwater were in wells BW-1 and BW-6: 17,000 ppb TPHg, 140 ppb benzene, 200 ppb toluene, 780 ppb ethylbenzene, 2,200 ppb xylenes, 5,350 ppb MTBE and 1,110 ppb TBA. Gasoline constituents have not been detected in the groundwater since April 2009. Other information: Subsurface Soil types: Discontinuous layers of silty sand and gravely sands to 45 feet bgs with weathered granitic bedrock below. Remediation: Groundwater over-purging and four SVE pilot tests conducted. Sensitive Receptors: According to Geotracker no DHS supply wells are located with + mile of the site. Other Sensitive Receptors (i.e. schools, hospitals, utilities, etc.) within 0.5 mile: Apartment complex for the Elderly (up gradient), restaurants, Riverside Community College (RCC) campus, and other colleges and schools. Sensitive Receptors Likely to be impacted: None; GW is deep and not impacted with hydrocarbons. Furthermore, the apartment complex is located up gradient and therefore the risk of impact is further minimized. Other: The site is currently an active gasoline station. Wells were abandoned NFA letter was issued 8/31/2011

LUST:

Global Id:	T0606500206
Contact Type:	Local Agency Caseworker - Primary Caseworker
Contact Name:	ANDREA BRIONES
Organization Name:	RIVERSIDE COUNTY
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	abriones@rivco.org
Phone Number:	9519558980

Global Id:	T0606500206
Contact Type:	Regional Board Caseworker
Contact Name:	JESSICA LAW
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 Main Street, Suite 500
City:	RIVERSIDE
Email:	jessica.law@waterboards.ca.gov
Phone Number:	9517824381

LUST:

Global Id:	T0606500206
Action Type:	ENFORCEMENT
Date:	06/06/2011
Action:	Staff Letter

Global Id:	T0606500206
Action Type:	Other
Date:	08/21/1990
Action:	Leak Reported

THRIFTY OIL #338 (Continued) **U001569928**

Global Id: T0606500206
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 09/20/2002
Action: File review

Global Id: T0606500206
Action Type: Other
Date: 08/08/1990
Action: Leak Stopped

Global Id: T0606500206
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 10/03/2008
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 10/06/2006
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0606500206
Action Type: ENFORCEMENT

THRIFTY OIL #338 (Continued) **U001569928**

Date: 08/21/1990
Action: Notification - Proposition 65

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 10/18/2007
Action: Staff Letter - #RCDEH 101807

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 02/27/2008
Action: Staff Letter - #RCDEH 022708

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 09/23/2007
Action: File review

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 08/13/2009
Action: Staff Letter - #RCDEH081309

Global Id: T0606500206
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 08/06/2011
Action: Well Destruction Report

Global Id: T0606500206
Action Type: REMEDIATION
Date: 02/13/2006
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500206
Action Type: REMEDIATION
Date: 11/20/2007
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500206
Action Type: REMEDIATION
Date: 04/13/2004
Action: Pump & Treat (P&T) Groundwater

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 08/31/2011
Action: Closure/No Further Action Letter - #RCDEH Closure

THRIFTY OIL #338 (Continued) **U001569928**

Global Id: T0606500206
Action Type: ENFORCEMENT
Date: 08/30/2011
Action: File review - #RCDEH Case File

Global Id: T0606500206
Action Type: Other
Date: 08/08/1990
Action: Leak Discovery

Global Id: T0606500206
Action Type: RESPONSE
Date: 01/11/2008
Action: Remedial Progress Report

Global Id: T0606500206
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606500206
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0606500206
Status: Open - Case Begin Date
Status Date: 08/08/1990

Global Id: T0606500206
Status: Open - Site Assessment
Status Date: 08/21/1990

Global Id: T0606500206
Status: Open - Remediation
Status Date: 09/01/1994

Global Id: T0606500206
Status: Open - Remediation
Status Date: 10/18/2007

Global Id: T0606500206
Status: Completed - Case Closed
Status Date: 08/31/2011

RIVERSIDE CO. LUST:
Name: THRIFTY OIL #338
Address: 2600 HAMNER AVE
City,State,Zip: NORCO, CA

THRIFTY OIL #338 (Continued) **U001569928**

Region:	RIVERSIDE
Facility ID:	90776
Employee:	Briones-LOP
Site Closed:	Yes
Case Type:	Drinking Water Aquifer affected
Facility Status:	closed/action completed
Casetype Decode:	An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode:	Closed/Action completed

HIST UST:

Name:	THRIFTY OIL STN. #338
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 91760
Region:	STATE
Facility ID:	00000004302
Facility Type:	Gas Station
Telephone:	2139239876
Owner Name:	BEST CALIFORNIA GAS,LTD.
Owner Address:	10000 LAKEWOOD BLVD.
Owner City,St,Zip:	DOWNEY, CA 90240
Total Tanks:	0005
Tank Num:	001
Container Num:	338-1
Tank Capacity:	00008142
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Tank Num:	002
Container Num:	338-2
Year Installed:	1981
Tank Capacity:	00015000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	.267
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	338-3
Tank Capacity:	00010161
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	338-6
Tank Capacity:	00008142
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	338-10
Tank Capacity:	00000550

THRIFTY OIL #338 (Continued) **U001569928**

Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Stock Inventor

CORTESE:
Name: THRIFTY OIL #338
Address: 2600 HAMNER AVE
City,State,Zip: NORCO, CA 91760
Region: CORTESE
Global ID: T0606500206
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Flag: active
File Name: Active Open

NOTIFY 65:
Name: THRIFTY OIL #338
Address: 2600 HAMNER AVE
City,State,Zip: NORCO, CA 91760
Issue Date: 08/21/1990

CERS:
Name: THRIFTY OIL #338
Address: 2600 HAMNER AVE
City,State,Zip: NORCO, CA 91760
Site ID: 876377
CERS ID: T0606500206
CERS Description: Leaking Underground Storage Tank Cleanup Site

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E33 **THRIFTY OIL #338** **LUST** **S104755098**
ENE **2600 HAMNER AVE** **CERS HAZ WASTE** **N/A**
1/4-1/2 **NORCO, CA 91760** **CERS TANKS**
0.397 mi. **HIST CORTESE**
2094 ft. **Site 2 of 3 in cluster E** **HWTS**
HAZNET
Relative: Lower **CERS**

Actual: 618 ft.

LUST REG 8:
Name: THRIFTY OIL #338
Address: 2600 HAMNER AVE
City: NORCO
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Remediation Plan
Case Number: 083301646T
Local Case Num: 90776
Case Type: Aquifer affected
Substance: Gasoline
Cross Street: LAMPTON
How Discovered: Tank Closure
Leak Cause: Corrosion
Leak Source: Tank
Global ID: T0606500206
How Stopped Date: 8/8/1990

THRIFTY OIL #338 (Continued) **S104755098**

Enter Date:	9/16/1990
Discover Date:	8/8/1990
Date Prelim Assessment Workplan Submitted:	8/21/1990
Date Pollution Characterization Began:	3/18/1992
Date Remediation Plan Submitted:	9/1/1994
Enter Date:	9/16/1990
GW Qualifies:	=
Oversite Program:	LUST
Latitude:	33.9193028
Longitude:	-117.5599784
MTBE Date:	6/1/1998
Max MTBE GW:	4000
MTBE Concentration:	1
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	C
Staff:	VJJ
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Summary:	RP WAS PLANNING TO USE VE TO REMEDIATE THE SOIL. THEY FIRST WANT TO CONDUCT A VE TEST TO DETERMINE IF VE IS STILL COST EFFECTIVE.

CERS HAZ WASTE:

Name:	TESORO (THRIFTY) 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Site ID:	6640
CERS ID:	10316692
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	TESORO (THRIFTY) 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Site ID:	6640
CERS ID:	10316692
CERS Description:	Underground Storage Tank

HIST CORTESE:

edr_fname:	THRIFTY OIL #338
edr_fadd1:	2600
City,State,Zip:	NORCO, CA 91760
Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301646T

HWTS:

Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
EPA ID:	CAL000385753
Create Date:	05/24/2013

THRIFTY OIL #338 (Continued) **S104755098**

Mailing Address:	500 SPEEDWAY DR
Mailing Address 2:	OH
Mailing City,State,Zip:	EN 453230000
Owner Name:	TESORO WEST COAST CO LLC
Owner Address:	500 SPEEDWAY DR
Owner City,State,Zip:	ENON, OH 453230000
Contact Name:	BRENDA RAMIREZ
Contact Address:	500 SPEEDWAY DRIVE
City,State,Zip:	ENON, OH 45323
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.91969
Longitude:	-117.55996

NAICS:

EPA ID:	CAL000385753
Create Date:	2013-05-24 11:31:21.043
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2013-05-24 11:31:21.04000
Facility Name:	TESORO THRIFTY 42133
Facility Address:	2600 HAMNER AVE
Facility City:	NORCO
Facility State:	CA
Facility Zip:	92860

HAZNET:

Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Contact:	KEITH HUGHES
Telephone:	9378637642
Mailing Address:	PO BOX 711
Year:	2024
Gepaid:	CAL000385753
CA Waste Code:	-
Disposal Method:	-
Year:	2021
Gepaid:	CAL000385753
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.2094
Year:	2020
Gepaid:	CAL000385753
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.06

THRIFTY OIL #338 (Continued) **S104755098**

Year:	2020
Gepaid:	CAL000385753
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1554
Year:	2019
Gepaid:	CAL000385753
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.06300
Year:	2018
Gepaid:	CAL000385753
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.04000
Year:	2018
Gepaid:	CAL000385753
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.18900
Year:	2017
Gepaid:	CAL000385753
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.025
Year:	2017
Gepaid:	CAL000385753
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1302
Year:	2016
Gepaid:	CAL000385753
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

THRIFTY OIL #338 (Continued) **S104755098**

Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.045

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Information:

Year:	2024
Shipment Date:	9/27/2024
Shipment Date:	9/27/2024
Receipt Date:	10/3/2024
Manifest Number:	019327922FLE
Generator EPA ID:	CAL000385753
Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Contact:	TESORO THRIFTY 42133
Contact Telephone:	9378637642
Contact Email:	KEITH.HUGHES@7-11.COM
Transporter 1 EPA ID:	CAR000183913
Transporter Name:	BELSHIRE TRANSPORTATION SERVICES INC
Transporter 1 Emergency Number:	9494605200
TSDF EPA ID:	CAT080013352
TSDF Name:	DEMENNO-KERDOON
TSDF Address 1:	2000 N ALAMEDA ST
TSDF City,State,Zip:	COMPTON, CA 902220000
TSDF Telephone:	3105377100
Waste Code Description:	134 - Not reported
Meth Code:	H039 - Not reported
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G

Year:	2024
Shipment Date:	9/27/2024
Shipment Date:	9/27/2024
Receipt Date:	10/2/2024
Manifest Number:	019327921FLE
Generator EPA ID:	CAL000385753
Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Contact:	TESORO THRIFTY 42133
Contact Telephone:	9378637642
Contact Email:	KEITH.HUGHES@7-11.COM
Transporter 1 EPA ID:	CAR000183913
Transporter Name:	BELSHIRE TRANSPORTATION SERVICES INC
Transporter 1 Emergency Number:	9494605200
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY, NV 890030000
TSDF Telephone:	7755532203
Waste Code Description:	352 - Not reported
Meth Code:	H132 - Not reported
Quantity Tons:	0.025

THRIFTY OIL #338 (Continued) **S104755098**

Waste Quantity:	50
Quantity Unit:	P
Year:	2024
Shipment Date:	6/18/2024
Shipment Date:	6/18/2024
Receipt Date:	7/2/2024
Manifest Number:	014640699FLE
Generator EPA ID:	CAL000385753
Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Contact:	TESORO THRIFTY 42133
Contact Telephone:	9378637642
Contact Email:	KEITH.HUGHES@7-11.COM
Transporter 1 EPA ID:	CAR000235960
Transporter Name:	EVR ENVIRONMENTAL INC
Transporter 1 Emergency Number:	8665264868
Transporter 2 EPA ID:	CAR000183574
Transporter Name 2:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
Transporter 2 Emergency Number:	8005796834
TSDF EPA ID:	AZR000520478
Waste Code Description:	223 - Not reported
Meth Code:	H141 - Not reported
Quantity Tons:	1.37615
Waste Quantity:	330
Quantity Unit:	G
Year:	2024
Shipment Date:	2/26/2024
Shipment Date:	2/26/2024
Receipt Date:	2/29/2024
Manifest Number:	019319105FLE
Generator EPA ID:	CAL000385753
Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Contact:	TESORO THRIFTY 42133
Contact Telephone:	9378637642
Contact Email:	KEITH.HUGHES@7-11.COM
Transporter 1 EPA ID:	CAR000183913
Transporter Name:	BELSHIRE TRANSPORTATION SERVICES INC
Transporter 1 Emergency Number:	9494605200
TSDF EPA ID:	CAT080013352
TSDF Name:	DEMENNO-KERDOON
TSDF Address 1:	2000 N ALAMEDA ST
TSDF City,State,Zip:	COMPTON, CA 902220000
TSDF Telephone:	3105377100
Waste Code Description:	134 - Not reported
Meth Code:	H039 - Not reported
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G

Additional Information:

Year:	2021
Shipment Date:	8/18/2020

THRIFTY OIL #338 (Continued) **S104755098**

Shipment Date:	8/18/2020
Receipt Date:	8/20/2020
Manifest Number:	015019625FLE
Generator EPA ID:	CAL000385753
Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO 92860
Contact Telephone:	949-460-5200
Transporter 1 EPA ID:	CAR000183913
TSDF EPA ID:	CAT080013352
TSDF Name:	WORLD OIL RECYCLING
TSDF Address 1:	N. ALAMEDA STREET
TSDF City,State,Zip:	COMPTON 90222-0000
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2021
Shipment Date:	8/18/2020
Shipment Date:	8/18/2020
Receipt Date:	8/26/2020
Manifest Number:	015019626FLE
Generator EPA ID:	CAL000385753
Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO 92860
Contact Telephone:	800-424-9300
Transporter 1 EPA ID:	CAR000183913
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY 89003
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2021
Shipment Date:	3/10/2020
Shipment Date:	3/10/2020
Receipt Date:	3/18/2020
Manifest Number:	014678506FLE
Generator EPA ID:	CAL000385753
Name:	TESORO THRIFTY 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO 92860
Contact Telephone:	800-424-9300
Transporter 1 EPA ID:	CAR000183913
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip:	BEATTY 89003
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Year:	2021
Shipment Date:	3/10/2020
Shipment Date:	3/10/2020
Receipt Date:	3/12/2020
Manifest Number:	014678507FLE

THRIFTY OIL #338 (Continued) **S104755098**

Generator EPA ID: CAL000385753
Name: TESORO 42133
Address: 2600 HAMNER AVE
City,State,Zip: NORCO 92860
Contact Telephone: 949-460-5200
Transporter 1 EPA ID: CAR000183913
TSDF EPA ID: CAT080013352
TSDF Name: WORLD OIL RECYCLING
TSDF Address 1: N. ALAMEDA STREET
TSDF City,State,Zip: COMPTON 90222-0000
Waste Code Description: - Not reported
Meth Code: - Not reported

Additional Information:
Year: 2020
Shipment Date: 8/18/2020
Shipment Date: 8/18/2020
Receipt Date: 8/20/2020
Manifest Number: 015019625FLE
Generator EPA ID: CAL000385753
Name: TESORO THRIFTY 42133
Address: 2600 HAMNER AVE
City,State,Zip: NORCO 92860
Contact Telephone: 949-460-5200
Transporter 1 EPA ID: CAR000183913
TSDF EPA ID: CAT080013352
TSDF Name: WORLD OIL RECYCLING
TSDF Address 1: N. ALAMEDA STREET
TSDF City,State,Zip: COMPTON 90222-0000
Waste Code Description: - Not reported
Meth Code: - Not reported

Year: 2020
Shipment Date: 8/18/2020
Shipment Date: 8/18/2020
Receipt Date: 8/26/2020
Manifest Number: 015019626FLE
Generator EPA ID: CAL000385753
Name: TESORO THRIFTY 42133
Address: 2600 HAMNER AVE
City,State,Zip: NORCO 92860
Contact Telephone: 800-424-9300
Transporter 1 EPA ID: CAR000183913
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip: BEATTY 89003
Waste Code Description: - Not reported
Meth Code: - Not reported

Year: 2020
Shipment Date: 3/10/2020
Shipment Date: 3/10/2020
Receipt Date: 3/18/2020
Manifest Number: 014678506FLE
Generator EPA ID: CAL000385753
Name: TESORO THRIFTY 42133

THRIFTY OIL #338 (Continued) **S104755098**

Address: 2600 HAMNER AVE
City,State,Zip: NORCO 92860
Contact Telephone: 800-424-9300
Transporter 1 EPA ID: CAR000183913
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF City,State,Zip: BEATTY 89003
Waste Code Description: - Not reported
Meth Code: - Not reported

Year: 2020
Shipment Date: 3/10/2020
Shipment Date: 3/10/2020
Receipt Date: 3/12/2020
Manifest Number: 014678507FLE
Generator EPA ID: CAL000385753
Name: TESORO 42133
Address: 2600 HAMNER AVE
City,State,Zip: NORCO 92860
Contact Telephone: 949-460-5200
Transporter 1 EPA ID: CAR000183913
TSDF EPA ID: CAT080013352
TSDF Name: WORLD OIL RECYCLING
TSDF Address 1: N. ALAMEDA STREET
TSDF City,State,Zip: COMPTON 90222-0000
Waste Code Description: - Not reported
Meth Code: - Not reported

Additional Information:
Year: 2019
EM Manifest ID: 489734
Shipment Date: 7/18/2019
Shipment Date: 7/18/2019
Receipt Date: 7/25/2019
Manifest Number: 013709369FLE
Generator EPA ID: CAL000385753
Name: TESORO THRIFTY 42133
Address: 2600 HAMNER AVE
City,State,Zip: NORCO 92860
Telephone: 800-424-9300
Contact Telephone: 949-460-5200
Transporter 1 EPA ID: CAR000183913
Transporter 2 EPA ID: CAT080016116
TSDF EPA ID: CAT080013352
TSDF Name: WORLD OIL RECYCLING
TSDF Address 1: 2000 N. ALAMEDA STREET
TSDF City,State,Zip: COMPTON 90222-0000
Waste Code Description: - Not reported
Meth Code: - Not reported

State:
Year: 2019
EM Manifest ID: 489734
Generator EPA ID: CAL000385753
Shipment Date: 2019-07-18
Manifest Number: 013709369FLE

THRIFTY OIL #338 (Continued) **S104755098**

Line Number: 1
Method Code: H039
Quantity Tons: 0.06300
Quantity Waste: 15.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Additional Information:
Year: 2018
EM Manifest ID: 010629533FLE20170907_D_1
Shipment Date: 9/7/2017
Shipment Date: 9/7/2017
Receipt Date: 9/14/2017
Manifest Number: 010629533FLE
Generator EPA ID: CAL000385753
Name: TESORO
Transporter 1 EPA ID: CAR000183913
Transporter 2 EPA ID: CAT080016116
TSDF EPA ID: CAT080013352
TSDF Name: DEMENNO KERDOON
Waste Code Description: - Not reported
Meth Code: - Not reported

State:
Year: 2018
EM Manifest ID: 010629533FLE20170907_D_1
Generator EPA ID: CAL000385753
Shipment Date: 2017-09-07
Manifest Number: 010629533FLE
Line Number: 1
Method Code: H039
Quantity Tons: 0.00420
Quantity Waste: 1.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Additional Information:
Year: 2017
Gen EPA ID: CAL000385753

Shipment Date: 20170907
Creation Date: 10/18/2018 18:30:10
Receipt Date: 20170913
Manifest ID: 010629532FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
Waste Code Description: 352 - Other organic solids

THRIFTY OIL #338 (Continued) **S104755098**

RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P

Shipment Date: 20170907
Creation Date: 5/30/2018 18:34:06
Receipt Date: 20170914
Manifest ID: 010629533FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
Trans 2 EPA ID: CAT080016116
Trans 2 Name: NIETO AND SONS TRUCKING INC
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.0042
Waste Quantity: 1
Quantity Unit: G

Shipment Date: 20170302
Creation Date: 5/11/2018 18:33:05
Receipt Date: 20170308
Manifest ID: 009684257FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P

Shipment Date: 20170302
Creation Date: 5/22/2017 18:30:49
Receipt Date: 20170307
Manifest ID: 009684258FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.126
Waste Quantity: 30
Quantity Unit: G

Additional Information:
Year: 2016

THRIFTY OIL #338 (Continued) **S104755098**

Gen EPA ID:	CAL000385753
Shipment Date:	20150911
Creation Date:	11/17/2015 22:15:32
Receipt Date:	20150917
Manifest ID:	008700171FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Shipment Date:	20150911
Creation Date:	11/17/2015 22:15:32
Receipt Date:	20150917
Manifest ID:	008700171FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Shipment Date:	20150911
Creation Date:	2/9/2016 22:15:26
Receipt Date:	20150916
Manifest ID:	008700170FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Shipment Date:	20150302
Creation Date:	8/5/2015 22:15:33
Receipt Date:	20150304
Manifest ID:	007643428FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
Waste Code Description:	352 - Other organic solids

THRIFTY OIL #338 (Continued) **S104755098**

RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P

Shipment Date: 20150122
Creation Date: 4/16/2015 22:14:56
Receipt Date: 20150128
Manifest ID: 007637088FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G

Additional Information:
Year: 2015
Gen EPA ID: CAL000385753

Shipment Date: 20150911
Creation Date: 2/9/2016 22:15:26
Receipt Date: 20150916
Manifest ID: 008700170FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P

Shipment Date: 20150911
Creation Date: 11/17/2015 22:15:32
Receipt Date: 20150917
Manifest ID: 008700171FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.042
Waste Quantity: 10
Quantity Unit: G

THRIFTY OIL #338 (Continued) **S104755098**

Shipment Date:	20150911
Creation Date:	11/17/2015 22:15:32
Receipt Date:	20150917
Manifest ID:	008700171FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G

Shipment Date:	20150302
Creation Date:	8/5/2015 22:15:33
Receipt Date:	20150304
Manifest ID:	007643428FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P

Shipment Date:	20150122
Creation Date:	4/16/2015 22:14:56
Receipt Date:	20150128
Manifest ID:	007637088FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G

Additional Information:

Year:	2014
Gen EPA ID:	CAL000385753

Shipment Date:	20140909
Creation Date:	2/13/2015 22:15:12
Receipt Date:	20140917
Manifest ID:	007625847FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	NVT330010000

THRIFTY OIL #338 (Continued) **S104755098**

Trans Name: US ECOLOGY NEVADA OPERATIONS
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P

Shipment Date: 20140703
Creation Date: 9/14/2014 22:15:04
Receipt Date: 20140710
Manifest ID: 007624207FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.0084
Waste Quantity: 2
Quantity Unit: G

Shipment Date: 20140320
Creation Date: 8/14/2014 22:15:24
Receipt Date: 20140326
Manifest ID: 005759833FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
Waste Code Description: 352 - Other organic solids
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P

Shipment Date: 20140120
Creation Date: 3/30/2014 22:15:09
Receipt Date: 20140123
Manifest ID: 005770275FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.168
Waste Quantity: 40
Quantity Unit: G

Additional Information:
Year: 2013
Gen EPA ID: CAL000385753

THRIFTY OIL #338 (Continued) **S104755098**

Shipment Date:	20130906
Creation Date:	1/17/2014 22:15:06
Receipt Date:	20130911
Manifest ID:	005761797FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
Waste Code Description:	352 - Other organic solids
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P

CERS:

Name:	TESORO (THRIFTY) 42133
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Site ID:	6640
CERS ID:	10316692
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	11-05-2013
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	Returned to compliance on 11/05/2013.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	10-07-2015
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 10/07/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	10-07-2015
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 11/19/2015.
Violation Division:	Riverside County Department of Env Health

THRIFTY OIL #338 (Continued) **S104755098**

Violation Program: UST
Violation Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Violation Date: 10-15-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 10/15/2014.
Violation Division: Riverside County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Violation Date: 10-07-2015
Citation: 23 CCR 16 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666
Violation Description: Failure to maintain entry fitting such that it properly seals to the containment.
Violation Notes: Returned to compliance on 11/19/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Violation Date: 09-08-2022
Citation: Un-Specified
Violation Description: Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes: Returned to compliance on 03/09/2023. OBSERVATION: Required NFPA-704 signs were not posted on the propane tank cage located outside the main entrance of the facility. CORRECTIVE ACTION: Owner/operator shall research chemical safety data sheets and post proper NFPA-704 signs. Signs shall be posted on the propane tank cage located outside the main entrance of the facility . Submit photos to tsultan@rivco.org once the violation is abated.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Violation Date: 07-23-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 10/07/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 6640

THRIFTY OIL #338 (Continued) **S104755098**

Site Name:	TESORO (THRIFTY) 42133
Violation Date:	09-27-2016
Citation:	23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description:	Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes:	Returned to compliance on 09/18/2017.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	07-23-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 07/23/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	10-07-2015
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes:	Returned to compliance on 11/19/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	10-15-2014
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 10/07/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	09-08-2022
Citation:	Un-Specified
Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	Returned to compliance on 03/09/2023. OBSERVATION: Observed the fire extinguishers to be expired with the year 2020. CORRECTIVE ACTION: Owner/operator shall properly maintain all emergency equipment at all times. Ensure to service the fire extinguishers and provide photos to

THRIFTY OIL #338 (Continued) **S104755098**

	tsultan@rivco.org.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	09-27-2016
Citation:	HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes:	Returned to compliance on 09/28/2016.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	11-05-2013
Citation:	HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description:	UST Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/07/2015.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	09-17-2019
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 10/10/2019. OBSERVATION: Observed UST Monitoring Plan(s) for tank #3 to be inaccurate and/or missing information. Tank #3 monitoring plan indicates that tank has an ELLD (Manufacturer: Red Jacket, Model: CPT). During inspection, it was observed that tank #3 has a MLLD (Manufacturer: Red Jacket, Model FX1B). UST Monitoring Plan is not approved as submitted. CORRECTIVE ACTION: Owner/operator shall make the following corrections to the UST Monitoring Plan(s) and submit in CERS.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	09-08-2022
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure to test and maintain as necessary all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment to assure its proper operation in time of emergency.
Violation Notes:	Returned to compliance on 03/09/2023. OBSERVATION: Observed the fire

THRIFTY OIL #338 (Continued) **S104755098**

	extinguishers to be expired with the year 2020. CORRECTIVE ACTION: Owner/operator shall properly maintain all emergency equipment at all times. Ensure to service the fire extinguishers and provide photos to tsultan@rivco.org.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	09-17-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 10/10/2019. OBSERVATION: Overfill prevention equipment inspection records were not available at the time of inspection. CORRECTIVE ACTION: Owner/operator shall maintain records of overfill prevention equipment inspections for 36 months. A copy shall be provided to this Department.
Violation Division:	Riverside County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	6640
Site Name:	TESORO (THRIFTY) 42133
Violation Date:	11-05-2013
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 10/07/2015.

THRIFTY OIL #338 (Continued) **S104755098**

Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Violation Date: 07-23-2015
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 10/07/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Violation Date: 11-05-2013
Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description: Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 10/07/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-07-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: - Unable to obtain signature due to COVID-19 restrictions. - Inspection report will be sent to the e-mail address provided by the manager. - Facility is a gas station and generates the following waste streams (not limited to): contaminated absorbent material, contaminated gas - Facility's waste hauler is Belshire.
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: - Unable to obtain signature due to COVID-19 restrictions. - Inspection report will be sent to the e-mail address provided by the manager. - Facility is a gas station. - Facility's hazardous material

THRIFTY OIL #338 (Continued) **S104755098**

business plan is due on 06/30/2021.
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: - Annual monitoring certification was conducted by Aaron Medina (Fastech ICC#8326560). - Last monitoring certification: 09/06/2018 - Last SB989: 04/24/2019 - Last overfill prevention test: 04/24/2019
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CMD/inspection
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-05-2024
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: - Unable to obtain signature due to COVID-19 restrictions. - Inspection report will be sent to the e-mail address provided by the manager. - Annual monitoring certification was conducted by David Branson (ICC #8026749, Fastech). - Last monitoring certification: 09/17/2019 - Last SB989: 06/19/2018 - OVP: 04/24/2019
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2022
Violations Found: Yes

THRIFTY OIL #338 (Continued) **S104755098**

Eval Type: Routine done by local agency
Eval Notes: Facility is a gas station that stores CO2 and Propane.
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-19-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility is has 4 tanks (87 Main, 87 Aux, 91, and Diesel). Non-VPH Site. Tech Company: Tanknology All tanks have en Electric Line Leak Detector, except for the 87 main, which is mechanical. Line Leak Detectors will alarm at the Relay Box inside above the Veeder Root.
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility is a gas station that generates hazardous solid (used absorbent) and liquids (contaminated oil). Hauler: Belshire
Eval Division: Riverside County Department of Env Health

THRIFTY OIL #338 (Continued) **S104755098**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HM Disclosure Inspection
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HW Generator Inspection
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency

THRIFTY OIL #338 (Continued) **S104755098**

Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Monitoring system certification post UST modification.
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: A joint inspection was conducted with G. Monterroso. No violations were observed at the time of inspection. Facility has 4 tanks (87 Main, 87 Aux, 91, and Diesel). All tanks have electric LLD, except for the 87 Main which is mechanical. Line Leak Detectors will alarm at the Relay Box inside above the Veeder Root. Technion Company: FASTECH Last MC and Spill Bucket: 9/8/20 Last SB989: 6/9/21 Last Overfill: 4/24/19
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: UST

THRIFTY OIL #338 (Continued) **S104755098**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Site Address: 2600 HAMNER AVE
Site City: NORCO
Site Zip: 92860
Enf Action Date: 07-23-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Site Address: 2600 HAMNER AVE
Site City: NORCO
Site Zip: 92860
Enf Action Date: 10-07-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Site Address: 2600 HAMNER AVE
Site City: NORCO
Site Zip: 92860
Enf Action Date: 10-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Site Address: 2600 HAMNER AVE
Site City: NORCO
Site Zip: 92860
Enf Action Date: 11-05-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: HMRRP

THRIFTY OIL #338 (Continued) **S104755098**

Enf Action Source: CERS,

Site ID: 6640
Site Name: TESORO (THRIFTY) 42133
Site Address: 2600 HAMNER AVE
Site City: NORCO
Site Zip: 92860
Enf Action Date: 11-05-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 6640
Facility Name: TESORO (THRIFTY) 42133
Env Int Type Code: HWG
Program ID: 10316692
Ref Point Type Desc: Unknown,
Latitude: 33.919689
Longitude: -117.559959

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: BELSHIRE ENVIRONMENTAL SERVICES, INC.
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JAMIL HERSHEWE
Affiliation Address: 301 E. OCEAN BLVD., SUITE 1600
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Zip: 90802
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 301 E. OCEAN BLVD., SUITE 1600
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Zip: 90802
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: BEST CALIFORNIA GAS LTD.
Affiliation Address: 13116 IMPERIAL HIGHWAY
Affiliation City: SANTA FE SPRINGS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90670
Affiliation Phone: (562) 921-3581,

Affiliation Type Desc: UST Permit Applicant
Entity Name: TERESA A. MILES
Entity Title: ENVIRONMENTAL COMPLIANCE SUPERVISOR

THRIFTY OIL #338 (Continued) **S104755098**

Affiliation Phone:	(562) 495-6850,
Affiliation Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Affiliation Address:	4065 County Circle Drive, Room 104
Affiliation City:	Riverside
Affiliation State:	CA
Affiliation Zip:	92503
Affiliation Phone:	(951) 358-5055,
Affiliation Type Desc:	Identification Signer
Entity Name:	VICTOR ESEIGBE
Entity Title:	DIRECTOR, DIRECT DEALER MARKETING OPERATIONS
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Tesoro Refining & Marketing Company LLC
Affiliation Address:	301 E. OCEAN BLVD., SUITE 1600
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90802
Affiliation Phone:	(562) 495-6937,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Tesoro Refining and Marketing Company LLC
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	BEST CALIFORNIA GAS LTD.
Affiliation Address:	13116 IMPERIAL HIGHWAY
Affiliation City:	SANTA FE SPRINGS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90670
Affiliation Phone:	(562) 921-3581,
Affiliation Type Desc:	Operator
Entity Name:	NORCO GAS CORP
Affiliation Phone:	(951) 371-6571,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	BEST CALIFORNIA GAS LTD.
Affiliation Address:	13116 IMPERIAL HIGHWAY
Affiliation City:	SANTA FE SPRINGS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90670
Affiliation Phone:	(562) 921-3581,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	NORCO GAS CORP
Affiliation Address:	2600 HAMNER AVE
Affiliation City:	NORCO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92860

THRIFTY OIL #338 (Continued) **S104755098**

Affiliation Phone: (951) 371-6571,

E34 **THRIFTY OIL #338** **UST FINDER RELEASE** **1029117815**
ENE **2600 HAMNER AVE** **N/A**
1/4-1/2 **NORCO, CA 91760**
0.397 mi.
2094 ft. **Site 3 of 3 in cluster E**

Relative:
Lower

Actual:
618 ft.

UST FINDER RELEASE:

Object ID:	69800
Lust ID:	CAT0606500206
Name:	THRIFTY OIL #338
Address:	2600 HAMNER AVE
City,State,Zip:	NORCO, CA 91760
Address Match Type:	PointAddress
Status:	No Further Action
Population within 1500ft:	728
Domestic Wells within 1500ft:	0
Land Use:	Developed, Medium Intensity
Within SPA:	No
Within WHPA:	No
Within 100yr Floodplain:	No
EPA Region:	9
Coordinate Source:	Geocode
X Coord:	-117.55962
Y Coord:	33.91965
Latitude:	33.9196499999999
Longitude:	-117.559619999999

F35 **CHEVRON STATION NO 93830** **RCRA-SQG** **1000111932**
NE **2740 HAMNER AVE** **LUST** **CAD981443385**
1/4-1/2 **NORCO, CA 92860** **FINDS**
0.495 mi. **ECHO**
2611 ft. **Site 1 of 2 in cluster F** **Cortese**
HIST CORTESE
Relative: **CERS**
Lower

Actual:
619 ft.

RCRA Listings:

Date Form Received by Agency:	20040611
Handler Name:	Chevron Station No 93830
Handler Address:	2740 Hamner Ave
Handler City,State,Zip:	NORCO, CA 92860-1926
EPA ID:	CAD981443385
Contact Name:	KATHY NORRIS
Contact Address:	P O BOX 6004
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	925-842-5931
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Active Site Indicator:	Handler Activities
Mailing Address:	P O BOX 6004
Mailing City,State,Zip:	SAN RAMON, CA 94583
Owner Name: Chevron	
Owner Type:	Private

CHEVRON STATION NO 93830 (Continued) **1000111932**

Operator Name:	Chevron
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D018
Waste Description:	Benzene

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Owner/Operator Address:	NOT REQUIRED

CHEVRON STATION NO 93830 (Continued) **1000111932**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Owner/Operator Indicator: Owner
Owner/Operator Name: CHEVRON
Legal Status: Private
Date Became Current: 19860217

Owner/Operator Indicator: Owner
Owner/Operator Name: CHEVRON
Legal Status: Private
Date Became Current: 19860217

Owner/Operator Indicator: Operator
Owner/Operator Name: CHEVRON
Legal Status: Private
Date Became Current: 19860217

Owner/Operator Indicator: Operator
Owner/Operator Name: CHEVRON
Legal Status: Private
Date Became Current: 19860217

Owner/Operator Indicator: Owner
Owner/Operator Name: CHEVRON PRODUCTS CO
Legal Status: Private
Owner/Operator Address: P O BOX 6004
Owner/Operator City,State,Zip: SAN RAMON, CA 94583
Owner/Operator Telephone: 925-842-5931

Historic Generators:
Receive Date: 19960901
Handler Name: CHEVRON STATION NO 93830
Federal Waste Generator Description: Small Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 20040611
Handler Name: CHEVRON STATION NO 93830
Federal Waste Generator Description: Small Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

Receive Date: 20020516
Handler Name: CHEVRON STATION NO 93830
Federal Waste Generator Description: Small Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

CHEVRON STATION NO 93830 (Continued) **1000111932**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 20040611
Handler Name: CHEVRON STATION NO 93830
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

List of NAICS Codes and Descriptions:
NAICS Code: 44711
NAICS Description: Gasoline Stations With Convenience Stores

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: CHEVRON #9-3830
Address: 2740 HAMNER AVE
City,State,Zip: NORCO, CA 91760
Lead Agency: RIVERSIDE COUNTY
Case Type: LUST Cleanup Site

Geo Track:
Global Id: T0606500404
Latitude: 33.9218814508195
Longitude: -117.559561365607
Status: Completed - Case Closed
Status Date: 01/30/1995
Case Worker: RIV
RB Case Number: 083302562T
Local Agency: RIVERSIDE COUNTY
File Location: Local Agency Warehouse
Local Case Number: 94945
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: Google Map Move
Begin Date: 10/27/1994
Leak Reported Date: 10/28/1994
How Discovered: Other Means
Discharge Source: Piping
Discharge Cause: Other
Stop Method: Repair Product Piping
No Further Action Date: 01/30/1995
CA Water Watershed Name: Santa Ana River - Middle Santa Ana River - Temescal (801.25)

CHEVRON STATION NO 93830 (Continued) **1000111932**

Dwr Groundwater Subbasin Name: Upper Santa Ana Valley - Temescal (8-002.09)
CA Enviroscreen 3 Score: 71-75%
CA Enviroscreen 4 Score: 70-75%
Military DOD Site: No
RWQCB Region: SANTA ANA RWQCB (REGION 8)

LUST:
Global Id: T0606500404
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

Global Id: T0606500404
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: Riverside County LOP
Organization Name: RIVERSIDE COUNTY
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Phone Number: 9519558980

LUST:
Global Id: T0606500404
Action Type: Other
Date: 10/28/1994
Action: Leak Reported

Global Id: T0606500404
Action Type: ENFORCEMENT
Date: 01/29/1995
Action: File review - #RCDEH upload site file 9/5/2014

Global Id: T0606500404
Action Type: Other
Date: 10/27/1994
Action: Leak Stopped

Global Id: T0606500404
Action Type: ENFORCEMENT
Date: 01/30/1995
Action: Closure/No Further Action Letter - #RCDEH01395

Global Id: T0606500404
Action Type: REMEDIATION
Date: 10/28/1994
Action: Excavation

Global Id: T0606500404
Action Type: Other
Date: 10/27/1994
Action: Leak Discovery

LUST:
Global Id: T0606500404

CHEVRON STATION NO 93830 (Continued) **1000111932**

Status: Open - Case Begin Date
Status Date: 10/27/1994

Global Id: T0606500404
Status: Open - Site Assessment
Status Date: 10/27/1994

Global Id: T0606500404
Status: Open - Remediation
Status Date: 10/28/1994

Global Id: T0606500404
Status: Open - Site Assessment
Status Date: 10/28/1994

Global Id: T0606500404
Status: Completed - Case Closed
Status Date: 01/30/1995

LUST REG 8:

Name:	CHEVRON #9-3830
Address:	2740 HAMNER AVE
City:	NORCO
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083302562T
Local Case Num:	94945
Case Type:	Soil only
Substance:	Gasoline
Cross Street:	LAMPTON
Enf Type:	CLOS
How Discovered:	OM
Leak Source:	Piping
Global ID:	T0606500404
How Stopped Date:	10/27/1994
Enter Date:	12/12/1994
Date Confirmation of Leak Began:	10/27/1994
Discover Date:	10/27/1994
Close Date:	1/30/1995
Enter Date:	12/12/1994
Oversite Program:	LUST
Latitude:	33.9204748
Longitude:	-117.5597974
MTBE Concentration:	2
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL

Summary: DISCOVERED THROUGH STATION UPGRADE. REPLACED DISPENSERS TO STOP DISCHARGE. INITIAL MITIGATIVE MEASURES INCLUDED EXCAVATING CONTAMINATED SOIL BENEATH

CHEVRON STATION NO 93830 (Continued) **1000111932**

DISPENSERS.

RIVERSIDE CO. LUST:

Name:	CHEVRON #93830
Address:	2740 HAMNER AVE
City,State,Zip:	NORCO, CA
Region:	RIVERSIDE
Facility ID:	94945
Employee:	Malloy
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

FINDS:

Registry ID: 110006470773

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

Registry ID: 110055672115

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The California Environmental Reporting System (CERS) is a statewide web-based user and information exchange system to support over 140,000 regulated businesses and over 130 local agencies in electronically collecting and reporting significant hazardous materials, hazardous waste and compliance and enforcement data as mandated by California law. Under oversight by Cal/EPA, certified local governing agencies (Unified Program Agencies - UPAs) consolidate, coordinate and provide consistent regulatory activities for six state and federal environmental programs.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the

CHEVRON STATION NO 93830 (Continued) **1000111932**

Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Registry ID: 110071787896

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000111932
Registry ID:	110055672115
DFR URL:	
Name:	NORCO FUELING
Address:	2740 Hamner Ave
City,State,Zip:	NORCO, CA 92860
Envid:	1000111932
Registry ID:	110006470773
DFR URL:	
Name:	CHEVRON STATION NO 93830
Address:	2740 Hamner Ave
City,State,Zip:	NORCO, CA 92860

CORTESE:

Name:	CHEVRON #9-3830
Address:	2740 HAMNER AVE
City,State,Zip:	NORCO, CA 91760
Region:	CORTESE
Global ID:	T0606500404
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Flag:	active
File Name:	Active Open

HIST CORTESE:

edr_fname:	CHEVRON #9-3830
edr_fadd1:	2740 HAMNER
City,State,Zip:	NORCO, CA 91760
Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083302562T

CERS:

Name:	CHEVRON #9-3830
Address:	2740 HAMNER AVE
City,State,Zip:	NORCO, CA 91760
Site ID:	906409
CERS ID:	T0606500404
CERS Description:	Leaking Underground Storage Tank Cleanup Site

F36
NE
1/4-1/2
0.495 mi.
2611 ft.

CHEVRON #9-3830
2740 HAMNER AVE
NORCO, CA 91760

Site 2 of 2 in cluster F

UST FINDER RELEASE **1028933588**
N/A

Relative:
Lower

Actual:
619 ft.

UST FINDER RELEASE:

Object ID:	69802
Lust ID:	CAT0606500404
Name:	CHEVRON #9-3830
Address:	2740 HAMNER AVE
City,State,Zip:	NORCO, CA 91760
Address Match Type:	PointAddress
Status:	No Further Action
Population within 1500ft:	639
Domestic Wells within 1500ft:	0
Land Use:	Developed, High Intensity
Within SPA:	No
Within WHPA:	No
Within 100yr Floodplain:	No
EPA Region:	9
Coordinate Source:	Geocode
X Coord:	-117.55926
Y Coord:	33.92182
Latitude:	33.9218199999999
Longitude:	-117.559259999999

37
NE
1/4-1/2
0.497 mi.
2626 ft.

STATER BROS MARKETS #44
2790 HAMNER AVE
NORCO, CA 92860

SWRCY **S113797938**
HWTS **N/A**
HAZNET

Relative:
Higher

Actual:
625 ft.

SWRCY:

Name:	CRV RECYCLING SOLUTIONS
Address:	2790 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Cert Id:	RC307688.002
Mailing Address:	26104 Adamor Rd
Mailing City:	Calabasas
Mailing State:	CA
Mailing Zip Code:	91302
Phone Number:	(818) 203-3035
Rural:	N
Operation Begin Date:	11/29/2022
Hours of Operation:	Mon - Sun 9:00 am - 5:00 pm, Closed 1:00 pm - 1:30 pm
Organization Name:	Recycling Solution Sites Inc

HWTS:

Name:	STATER BROS MARKETS #44
Address:	2790 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
EPA ID:	CAL000334436
Create Date:	07/15/2008
Mailing Address:	PO BOX 150
Mailing Address 2:	CA
Mailing City,State,Zip:	SA 92408
Owner Name:	STATER BROS MARKETS
Owner Address:	301 S TIPPECANOE AVE

STATER BROS MARKETS #44 (Continued) **S113797938**

Owner City,State,Zip: SAN BERNARDINO, CA 924080121
Contact Name: JAMIE JACOBSON
Contact Address: 301 S. TIPPECANOE AVE.
City,State,Zip: SAN BERNARDINO, CA 92408
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 33.922597
Longitude: -117.55911

NAICS:
EPA ID: CAL000334436
Create Date: 2008-07-15 07:58:12.737
NAICS Code: 45291
NAICS Description: Warehouse Clubs and Superstores
Issued EPA ID Date: 2008-07-15 07:58:12.72300
Facility Name: STATER BROS MARKETS #44
Facility Address: 2790 HAMNER AVE
Facility City: NORCO
Facility State: CA
Facility Zip: 92860

HAZNET:
Name: STATER BROS MARKETS #44
Address: 2790 HAMNER AVE
City,State,Zip: NORCO, CA 92860
Contact: JAMIE JACOBSON
Telephone: 9097335273
Mailing Address: PO BOX 150

Year: 2024
Gepaid: CAL000334436
CA Waste Code: -
Disposal Method: -

Year: 2020
Gepaid: CAL000334436
TSD EPA ID: CAD028409019
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03

Year: 2020
Gepaid: CAL000334436
TSD EPA ID: AZR000520478
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.015

Year: 2016
Gepaid: CAL000334436
TSD EPA ID: CAD028409019
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

STATER BROS MARKETS #44 (Continued) **S113797938**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Year:	2016
Gepaid:	CAL000334436
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Year:	2013
Gepaid:	CAL000334436
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Year:	2013
Gepaid:	CAL000334436
TSD EPA ID:	CAD028409019
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075
Year:	2012
Gepaid:	CAL000334436
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15

Additional Information:

Year:	2024
Shipment Date:	8/1/2024
Shipment Date:	8/1/2024
Receipt Date:	8/6/2024
Manifest Number:	200887293CLE
Generator EPA ID:	CAL000334436
Name:	STATER BROS MARKETS #44
Address:	2790 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Contact:	STATER BROS MARKETS #44
Contact Telephone:	9097335273
Contact Email:	JAMIE.JACOBSON@STATERBROS.COM
Transporter 1 EPA ID:	MNS000110924
Transporter Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Transporter 1 Emergency Number:	6122859865
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO-CHEM LLC
TSDF Address 1:	425 ISIS AVE
TSDF City,State,Zip:	INGLEWOOD, CA 903010000
TSDF Telephone:	3237766277

STATER BROS MARKETS #44 (Continued) **S113797938**

Waste Code Description:	331 - Not reported
RCRA Code:	D007
Meth Code:	H141 - Not reported
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Year:	2024
Shipment Date:	8/1/2024
Shipment Date:	8/1/2024
Receipt Date:	8/6/2024
Manifest Number:	200887293CLE
Generator EPA ID:	CAL000334436
Name:	STATER BROS MARKETS #44
Address:	2790 HAMNER AVE
City,State,Zip:	NORCO, CA 92860
Contact:	STATER BROS MARKETS #44
Contact Telephone:	9097335273
Contact Email:	JAMIE.JACOBSON@STATERBROS.COM
Transporter 1 EPA ID:	MNS000110924
Transporter Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Transporter 1 Emergency Number:	6122859865
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO-CHEM LLC
TSDF Address 1:	425 ISIS AVE
TSDF City,State,Zip:	INGLEWOOD, CA 903010000
TSDF Telephone:	3237766277
Waste Code Description:	331 - Not reported
RCRA Code:	D001
Meth Code:	H141 - Not reported
Quantity Tons:	0.013
Waste Quantity:	26
Quantity Unit:	P

Additional Information:

Year:	2020
Shipment Date:	7/22/2020
Shipment Date:	7/22/2020
Receipt Date:	7/31/2020
Manifest Number:	020743371JJK
Generator EPA ID:	CAL000334436
Name:	STATER BROS MARKETS #44
Address:	2790 HAMNER AVE
City,State,Zip:	NORCO 92860
Contact:	CHERYL SKALICKY
Contact Telephone:	909-733-5288
Transporter 1 EPA ID:	CAR000267260
TSDF EPA ID:	CAD028409019
TSDF Name:	CROSBY & OVERTON
TSDF Address 1:	W. 17TH STREET
TSDF City,State,Zip:	LONG BEACH 90813-0000
Waste Code Description:	- Not reported
Meth Code:	- Not reported
Year:	2020
Shipment Date:	7/22/2020
Shipment Date:	7/22/2020

STATER BROS MARKETS #44 (Continued) **S113797938**

Receipt Date:	7/30/2020
Manifest Number:	020743370JJK
Generator EPA ID:	CAL000334436
Name:	STATER BROS MARKETS #44
Address:	2790 HAMNER AVE
City,State,Zip:	NORCO 92860
Contact:	CHERYL SKALICKY
Contact Telephone:	909-733-5288
Transporter 1 EPA ID:	CAR000267260
Transporter 2 EPA ID:	CAR000183574
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF City,State,Zip:	PAKER 85344
Waste Code Description:	- Not reported
Meth Code:	- Not reported

Additional Information:

Year:	2013
Gen EPA ID:	CAL000334436
Shipment Date:	20130731
Creation Date:	9/22/2013 22:15:08
Receipt Date:	20130802
Manifest ID:	011294188JJK
Trans EPA ID:	CAT080012800
Trans Name:	HAZ MAT TRANS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Shipment Date:	20130731
Creation Date:	9/22/2013 22:15:08
Receipt Date:	20130802
Manifest ID:	011294188JJK
Trans EPA ID:	CAT080012800
Trans Name:	HAZ MAT TRANS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P

Additional Information:

Year:	2012
Gen EPA ID:	CAL000334436

STATER BROS MARKETS #44 (Continued) **S113797938**

Shipment Date:	20120719
Creation Date:	9/26/2012 22:15:16
Receipt Date:	20120727
Manifest ID:	007696870JJK
Trans EPA ID:	CAT080012800
Trans Name:	HAZ MAT TRANS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P

G38 **NORCO** **ENVIROSTOR** **S107736908**
NNE **N/A**
1/2-1 **NORCO, CA**
0.563 mi.
2972 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
662 ft.

ENVIROSTOR:

Name:	NORCO
City,State,Zip:	NORCO, CA
Facility ID:	80000098
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	63
Senate:	32
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.925
Longitude:	-117.5625
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F744300
Alias Type:	Federal Facility ID
Alias Name:	J09CA0141
Alias Type:	INPR
Alias Name:	80000098
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	05/18/1994

NORCO (Continued) **S107736908**

G39 **NORCO USARC** **FUDS** **1024903428**
NNE **N/A**
1/2-1 **NORCO, CA**
0.563 mi.
2972 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
662 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799F744300
Congressional District Number:	42
Name:	NORCO USARC
FUDS Number:	J09CA0141
City:	NORCO
State:	CA
County:	RIVERSIDE
Object ID:	718
USACE Division:	spd
USACE District:	spl
Status:	Properties without projects
Current Owner:	Other: Other

EMS Map Link:

Eligibility:	Ineligible
Has Projects:	no
NPL Status:	Not on the NPL
Project Required:	no
Latitude:	33.925
Longitude:	-117.5625

---

40 **NORCO MAIN RANCH INC** **ENVIROSTOR** **U001569920**
SSE **1811 MOUNTAIN AVE** **SWEEPS UST** **N/A**
1/2-1 **NORCO, CA 91760** **HIST UST**
0.600 mi. **CHMIRS**
3168 ft.

Relative:
Lower

Actual:
597 ft.

ENVIROSTOR:

Name:	NORCO EGG FARM
Address:	1811 MOUNTAIN AVENUE
City,State,Zip:	NORCO, CA 91760
Facility ID:	33020001
Status:	Refer: RWQCB
Status Date:	04/01/1985
Site Type:	Historical
Site Type Detailed:	* Historical
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	63
Senate:	32
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

NORCO MAIN RANCH INC (Continued) **U001569920**

Latitude: 33.9075
Longitude: -117.5669
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * AQUEOUS SOLUTION WITH METALS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: NORCO RANCH
Alias Type: Alternate Name
Alias Name: CAD009868480
Alias Type: EPA Identification Number
Alias Name: 33020001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/01/1985
Comments: T/C W/ D.CARTER,NORCO,714-737-6735,7/11 84-1)SOURCE ACT: EGG CLEANING & SANITIZG 2)YR OF OPER: 1949 TO PRESENT. WASTE: SALINE BRINES,SODIUM,CR,POTASSIUM,SODIUM CARBONATE,SODIUM HYDROXIDE,SODIUM METASI LICATE,SODIUM PHOSPHATE,BIODGRADABLE,SUR FACTANTS,DIMETHY SILICONE,CHLORINATED ISOCYURANATE,IODINE.SINCE 1980 WASTE WTR IS COLLECTED & SENT THROUIGH A WATER TREATMENT PLANT. SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 02/28/1983
Comments: FACILITY IDENTIFIED ID FROM RWQCB IN 1968 HAD WASTE DIS. PONDS (2). WASTE NOW SEWERED. FATE OF PONDS IS UNK.

SWEEPS UST:
Name: NORCO MAIN RANCH INC
Address: 1811 MOUNTAIN AVE
City: NORCO
Status: Active
Comp Number: 29678
Number: 1
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 000755
SWRCB Tank Id: 33-000-029678-000001
Tank Status: A
Capacity: 20000
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 5

NORCO MAIN RANCH INC (Continued) **U001569920**

Name: NORCO MAIN RANCH INC
Address: 1811 MOUNTAIN AVE
City: NORCO
Status: Active
Comp Number: 29678
Number: 1
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 000755
SWRCB Tank Id: 33-000-029678-000002
Tank Status: A
Capacity: 20000
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL

Name: NORCO MAIN RANCH INC
Address: 1811 MOUNTAIN AVE
City: NORCO
Status: Active
Comp Number: 29678
Number: 1
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 000755
SWRCB Tank Id: 33-000-029678-000003
Tank Status: A
Capacity: 7500
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED

Name: NORCO MAIN RANCH INC
Address: 1811 MOUNTAIN AVE
City: NORCO
Status: Active
Comp Number: 29678
Number: 1
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 000755
SWRCB Tank Id: 33-000-029678-000004
Tank Status: A
Capacity: 7500
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Name: NORCO MAIN RANCH INC
Address: 1811 MOUNTAIN AVE
City: NORCO

NORCO MAIN RANCH INC (Continued) **U001569920**

Status:	Active
Comp Number:	29678
Number:	1
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	02-29-88
Owner Tank Id:	000755
SWRCB Tank Id:	33-000-029678-000005
Tank Status:	A
Capacity:	2500
Active Date:	11-17-92
Tank Use:	UNKNOWN
STG:	P
Content:	EMPTY

HIST UST:

Name:	NORCO RANCH MAIN TRUCK TERMINA
Address:	1811 MOUNTAIN AV
City,State,Zip:	NORCO, CA 91760
File Number:	0001f836

URL:

Region:	STATE
Facility ID:	00000029678
Facility Type:	Other
Other Type:	FLEET TERMINAL
Contact Name:	JOHN P. MULLEN
Telephone:	7147376735
Owner Name:	NORCO RANCH INC.
Owner Address:	1811 MOUNTAIN AV.
Owner City,St,Zip:	NORCO, CA 91670
Total Tanks:	0005

Tank Num:	001
Container Num:	#1
Year Installed:	1983
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	.27MIN
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	#2
Year Installed:	1983
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	.27MIN
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	#3
Year Installed:	1964
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED

NORCO MAIN RANCH INC (Continued) **U001569920**

Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1964
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: 1964
Tank Capacity: 00002500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CHMIRS:
Address: 1811 MOUNTAIN AVE
City,State,Zip: NORCO, CA
OES Incident Number: 3-1291
OES notification: 03/08/2003
Waterway Involved: No
Cleanup By: Reporting Party
Year: 2003
Agency: So CA Edison
Incident Date: 3/8/200312:00:00 AM
Admin Agency: Riverside County Environmental Health
Contained: Yes
Site Type: Merchant/Business
Substance: Mineral Oil
Gallons: 30
Unknown: 0
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Substance was released when a garbage truck backed into pole knocking transformer to ground. PCB Is unknown at this time.

41
SSE
1/2-1
0.687 mi.
3625 ft.

NORCO RANCH
1661 MOUNTAIN AVENUE
NORCO, CA 92860

ENVIROSTOR **S111022967**
VCP **N/A**

Relative:
Lower

Actual:
596 ft.

ENVIROSTOR:
Name: NORCO RANCH
Address: 1661 MOUNTAIN AVENUE
City,State,Zip: NORCO, CA 92860
Facility ID: 60001466
Status: No Further Action
Status Date: 09/13/2011
Site Code: 401561

NORCO RANCH (Continued) **S111022967**

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 1.25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 63
Senate: 32
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.90601
Longitude: -117.5656
APN: 12621-0010-7
Past Use: PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential COC: TPH-diesel TPH-gas TPH-MOTOR OIL TPH-Stoddard Solvent
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 12621-0010-7
Alias Type: APN
Alias Name: 401561
Alias Type: Project Code (Site Code)
Alias Name: 60001466
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/03/2011

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 09/13/2011

VCP:
Name: NORCO RANCH
Address: 1661 MOUNTAIN AVENUE
City,State,Zip: NORCO, CA 92860
Facility ID: 60001466
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.25
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Site Code: 401561
Assembly: 63
Senate: 32
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement

NORCO RANCH (Continued) **S111022967**

Status:	No Further Action
Status Date:	09/13/2011
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.90601 / -117.5656
APN:	12621-0010-7
Past Use:	PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential COC:	30024, 30025, 3002502, 3002503
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	12621-0010-7
Alias Type:	APN
Alias Name:	401561
Alias Type:	Project Code (Site Code)
Alias Name:	60001466
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	05/03/2011
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Site Characterization Report
Completed Date:	09/13/2011

42
SSW
1/2-1
0.760 mi.
4012 ft.

VICTRESS BOWER ELEMENTARY SCHOOL **ENVIROSTOR** **S129064239**
1250 WEST PARKRIDGE AVENUE **SCH** **N/A**
CORONA, CA 92880

Relative:
Lower

Actual:
602 ft.

ENVIROSTOR:

Name:	VICTRESS BOWER ELEMENTARY SCHOOL
Address:	1250 WEST PARKRIDGE AVENUE
City,State,Zip:	CORONA, CA 92880
Facility ID:	60003420
Status:	No Further Action
Status Date:	04/16/2024
Site Code:	404989
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.04
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Ali Hobballah
Supervisor:	Scarlett Zhai
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	58
Senate:	31
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.89376
Longitude:	-117.5642
APN:	NONE SPECIFIED

VICTRESS BOWER ELEMENTARY SCHOOL (Continued) **S129064239**

Past Use: NONE SPECIFIED
Potential COC: Polychlorinated biphenyls (PCBs Trichloroethylene (TCE
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 404989
Alias Type: Project Code (Site Code)
Alias Name: 60003420
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/10/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Fieldwork
Completed Date: 07/19/2023
Comments: Field work and PCB Samplings - DONE

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 12/07/2022
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Document Type: Application
Completed Date: 10/04/2022
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Document Type: Meeting
Completed Date: 03/23/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Project Management
Completed Date: 06/30/2023

Completed Area Name: PROJECT WIDE
Completed Document Type: Project Management
Completed Date: 05/10/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 04/20/2023

SCH:

Name: VICTRESS BOWER ELEMENTARY SCHOOL
Address: 1250 WEST PARKRIDGE AVENUE
City,State,Zip: CORONA, CA 92880
Facility ID: 60003420
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.04
National Priorities List: NO

VICTRESS BOWER ELEMENTARY SCHOOL (Continued) **S129064239**

Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Ali Hobballah
Supervisor:	Scarlett Zhai
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404989
Assembly:	58
Senate:	31
Status:	No Further Action
Status Date:	04/16/2024
Restricted Use:	NO
Funding:	School District
Latitude:	33.89376
Longitude:	-117.5642
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Polychlorinated biphenyls (PCBs, Trichloroethylene (TCE
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	404989
Alias Type:	Project Code (Site Code)
Alias Name:	60003420
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/10/2023
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Fieldwork
Completed Date:	07/19/2023
Comments:	Field work and PCB Samplings - DONE
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Phase 1
Completed Date:	12/07/2022
Comments:	Complete
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Application
Completed Date:	10/04/2022
Comments:	Complete
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Meeting
Completed Date:	03/23/2023
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Project Management
Completed Date:	06/30/2023
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Project Management
Completed Date:	05/10/2024
Completed Area Name:	PROJECT WIDE

VICTRESS BOWER ELEMENTARY SCHOOL (Continued) **S129064239**

Completed Document Type: Environmental Oversight Agreement
Completed Date: 04/20/2023

43
SSW
1/2-1
0.813 mi.
4293 ft.

WASHINGTON ELEMENTARY SCHOOL
1220 WEST PARKRIDGE AVENUE
NORCO, CA 92860

ENVIROSTOR SCH **S126330258 N/A**

Relative:
Lower

Actual:
603 ft.

ENVIROSTOR:
Name: WASHINGTON ELEMENTARY SCHOOL
Address: 1220 WEST PARKRIDGE AVENUE
City,State,Zip: NORCO, CA 92860
Facility ID: 60002999
Status: No Action Required
Status Date: 09/25/2020
Site Code: 404972
Site Type: School Investigation
Site Type Detailed: School
Acres: 0.18
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Aslam Shareef
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 63
Senate: 32
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.90482
Longitude: -117.5753
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: Lead Chlordane DDD DDE DDT Endrin Toxaphene Aldrin Dieldrin Endosulfan Heptachlor Heptachlor epoxide HCH (alpha HCH (beta HCH (gamma) Lindane HCH-technical Mirex
Confirmed COC: 30004-NO 30006-NO 30007-NO 30008-NO 30010-NO 30013-NO 30023-NO 30043-NO 30207-NO 30261-NO 30308-NO 30309-NO 30313-NO 30314-NO 30315-NO 30316-NO 30400-NO
Potential Description: NMA
Alias Name: 404972
Alias Type: Project Code (Site Code)
Alias Name: 60002999
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Application
Completed Date: 05/27/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1 Addendum
Completed Date: 09/21/2020
Comments: DTSC issued No Action determination for the Site

WASHINGTON ELEMENTARY SCHOOL (Continued) **S126330258**

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Phase 1
Completed Date:	06/24/2020
Comments:	Phase 1 ADDM required, along with clarification of site boundaries and potential RECs.
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Fieldwork
Completed Date:	09/10/2020
Comments:	DTSC completed Site visit on 9/10/2020
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/04/2020
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Project Management
Completed Date:	09/25/2020
Comments:	Completed

SCH:

Name:	WASHINGTON ELEMENTARY SCHOOL
Address:	1220 WEST PARKRIDGE AVENUE
City,State,Zip:	NORCO, CA 92860
Facility ID:	60002999
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.18
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404972
Assembly:	63
Senate:	32
Status:	No Action Required
Status Date:	09/25/2020
Restricted Use:	NO
Funding:	School District
Latitude:	33.90482
Longitude:	-117.5753
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	Lead, Chlordane, DDD, DDE, DDT, Endrin, Toxaphene, Aldrin, Dieldrin, Endosulfan, Heptachlor, Heptachlor epoxide, HCH (alpha, HCH (beta, HCH (gamma) Lindane, HCH-technical, Mirex
Confirmed COC:	30004-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO, 30013-NO, 30023-NO, 30043-NO, 30207-NO, 30261-NO, 30308-NO, 30309-NO, 30313-NO, 30314-NO, 30315-NO, 30316-NO, 30400-NO
Potential Description:	NMA
Alias Name:	404972

WASHINGTON ELEMENTARY SCHOOL (Continued) **S126330258**

Alias Type: Project Code (Site Code)
Alias Name: 60002999
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Application
Completed Date: 05/27/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1 Addendum
Completed Date: 09/21/2020
Comments: DTSC issued No Action determination for the Site

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 06/24/2020
Comments: Phase 1 ADDM required, along with clarification of site boundaries and potential RECs.

Completed Area Name: PROJECT WIDE
Completed Document Type: Fieldwork
Completed Date: 09/10/2020
Comments: DTSC completed Site visit on 9/10/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/04/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Project Management
Completed Date: 09/25/2020
Comments: Completed

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44 **NORCO INGALLS HALL USAR** **ENVIROSTOR** **S103393793**
North **2400 5TH STREET** **N/A**
1/2-1 **NORCO, CA 91760**
0.908 mi.
4794 ft.

Relative:
Higher

Actual:
683 ft.

ENVIROSTOR:
Name: NORCO INGALLS HALL USAR
Address: 2400 5TH STREET
City,State,Zip: NORCO, CA 91760
Facility ID: 33970007
Status: No Further Action
Status Date: 12/13/2018
Site Code: 400686
Site Type: Military Evaluation
Site Type Detailed: Open Base
Acres: 1
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 63

NORCO INGALLS HALL USAR (Continued) **S103393793**

Senate: 32
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.93083
Longitude: -117.5705
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: USARC NORCO
Alias Type: Alternate Name
Alias Name: 400686
Alias Type: Project Code (Site Code)
Alias Name: 33970007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2000
Comments: PEA - The field investigation report and DTSC's physical inspection of the facility confirmed that no grease rack was ever located at the facility. The United States Army Reserve Center requested the removal of Norco Ingalls Hall from DTSC's Installa- tion Restoration Program list for the 63D Regional Support Command in a letter dated June 4, 1999. DTSC concurred with the Norco Ingalls Hall recommendation for removal from the 63D Regional Support Command based on the field investigation report and DTSC's physical inspection of the facility. A copy of our January 6, 2000 approval letter is attached.

Completed Area Name: PROJECT WIDE
Completed Document Type: * Delisting Document
Completed Date: 05/07/2001
Comments: DLIST - SITE 1 (GREASE RACK): The purpose of the decision document is to present the selected action for the Site 1 - grease rack in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). It has been determined that the selected remedy of No Further Action (NFA) is protective of human health and the environment. The decision document describes the selected action based on the results of the site investigation and the EBS conducted under the Installation Restoration Program (IRP). DTSC concurred with the decision document's NFA recommendation in a letter dated April 2, 2001. DTSC's agreement to remove this site from the IRP list does not represent certification or validation that the entire facility does not have any hazardous substance releases. Should DTSC become aware of potential hazardous substance releases, it will initiate appropriate action to correct the problem.

45 SSW 1/2-1 0.928 mi. 4901 ft. | **AUBURNDALE INTERMEDIATE SCHOOL**
1255 RIVER ROAD
CORONA, CA 92878 | **ENVIROSTOR SCH NPDES CIWQS CERS** | **S129064238 N/A**

Relative: Lower

Actual: 599 ft.

ENVIROSTOR:

Name:	AUBURNDALE INTERMEDIATE SCHOOL
Address:	1255 RIVER ROAD
City,State,Zip:	CORONA, CA 92880
Facility ID:	60003419
Status:	No Further Action
Status Date:	09/17/2024
Site Code:	404988
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	4.47
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Safouh Sayed
Supervisor:	Aslam Shareef
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	32
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.90744
Longitude:	-117.5813
APN:	119020021
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	119020021
Alias Type:	APN
Alias Name:	404988
Alias Type:	Project Code (Site Code)
Alias Name:	60003419
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Application
Completed Date:	10/04/2022
Comments:	Complete
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/17/2024
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	08/09/2024
Completed Area Name:	PROJECT WIDE
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	05/17/2024
Comments:	Complete

AUBURNDALE INTERMEDIATE SCHOOL (Continued) **S129064238**

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Meeting
Completed Date:	04/05/2024
Comments:	Complete

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/03/2024
Comments:	Complete

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Project Management
Completed Date:	06/30/2024
Comments:	Complete

Completed Area Name:	PROJECT WIDE
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/05/2024
Comments:	Complete

SCH:

Name:	AUBURNDALE INTERMEDIATE SCHOOL
Address:	1255 RIVER ROAD
City,State,Zip:	CORONA, CA 92880
Facility ID:	60003419
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	4.47
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Safouh Sayed
Supervisor:	Aslam Shareef
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404988
Assembly:	63
Senate:	32
Status:	No Further Action
Status Date:	09/17/2024
Restricted Use:	NO
Funding:	School District
Latitude:	33.90744
Longitude:	-117.5813
APN:	119020021
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	119020021
Alias Type:	APN
Alias Name:	404988
Alias Type:	Project Code (Site Code)
Alias Name:	60003419

AUBURNDALE INTERMEDIATE SCHOOL (Continued) **S129064238**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Application
Completed Date: 10/04/2022
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/17/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/09/2024

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/17/2024
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Document Type: Meeting
Completed Date: 04/05/2024
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2024
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Document Type: Project Management
Completed Date: 06/30/2024
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/05/2024
Comments: Complete

NPDES:
Name: AUBURNDALE INTERMEDIATE SCHOOL
Address: 1255 RIVER ROAD
City,State,Zip: CORONA, CA 92878
WDID: 8 33C405717
Regulatory Measure Type: Construction
Status: Active
Status Date: 12/09/2024
Operator Name: Corona Norco Unified School District
Operator Address: 2820 Clark Aveune
Operator City: Norco
Operator State: California
Operator Zip: 92860

Name: AUBURNDALE INTERMEDIATE SCHOOL

AUBURNDALE INTERMEDIATE SCHOOL (Continued) **S129064238**

Address:	1255 RIVER ROAD
City,State,Zip:	CORONA, CA 92878
Facility Status:	Active
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	579298
Order Number:	2009-0009-DWQ
WDID:	8 33C405717
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Effective Date Of Regulatory Measure:	12/09/2024
Discharge Address:	2820 Clark Aveune
Discharge Name:	Corona Norco Unified School District
Discharge City:	Norco
Discharge State:	California
Discharge Zip:	92860

CIWQS:

Name:	Auburndale Intermediate School
Address:	1255 RIVER ROAD
City,State,Zip:	CORONA, CA 92878
Agency:	Corona Norco Unified School District
Agency Address:	2820 Clark Aveune, Norco, CA 92860
Place/Project Type:	Construction - Other: Public School
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 33C405717
NPDES Number:	CAS000002
Effective Date:	12/09/2024
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.90356
Longitude:	-117.57705

CERS:

Name:	AUBURNDALE INTERMEDIATE SCHOOL
Address:	1255 RIVER ROAD
City,State,Zip:	CORONA, CA 92878
Site ID:	932531
CERS ID:	926772
CERS Description:	Construction Storm Water

46
NNW
1/2-1
0.961 mi.
5072 ft.

CDCR - CALIFORNIA REHABLITATION CENTER NORCO **HWP** **1008152334**
5TH ST AND WESTERN **N/A**
NORCO, CA 92680

Relative:
Higher

Actual:
626 ft.

HWP:

EPA ID:	CAD981696552
Name:	CDCR - CALIFORNIA REHABLITATION CENTER NORCO
Address:	5TH ST AND WESTERN
Cleanup Status:	CLOSED

CDCR - CALIFORNIA REHABLITATION CENTER NORCO (Continued) **1008152334**

Latitude:	33.93017
Longitude:	-117.5746
Facility Type:	Historical - Non-Operating
Senate District:	32
Assembly District:	63
Permit Type:	RCRA
Calenviroscreen Score:	NA
Quarterly Update:	This facility is being administratively closed due to never being permitted or regulated as a TSDF. The HWTS database shows the facility as a generator only since 1993. No other information in permitting/clean up EnviroStor.

Closure:

EPA ID:	CAD981696552
Facility Type:	Historical - Non-Operating
Facility Name:	CDCR - CALIFORNIA REHABLITATION CENTER NORCO
Facility Status:	CLOSED
Activity Type:	Closure Administrative
Type:	RCRA
Title Description:	Closure Administrative
Comments:	No evidence that this facility was ever regulated as a TSDF.
Unit Names:	Unit1
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	11/21/2017

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NORCO	S121648325	KENNEDY MIDDLE COLLEGE HIGH SCHOOL	3001 THIRD	92880	CIWQS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	06/12/2025	06/12/2025	09/05/2025
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2022	03/21/2024	06/12/2024
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	04/14/2025	04/15/2025	07/07/2025
CA	CERS HAZ WASTE	California Environmental Reporting System Hazardous Waste	CalEPA	04/14/2025	04/15/2025	07/07/2025
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	04/14/2025	04/15/2025	07/07/2025
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	02/28/2025	04/18/2025	07/09/2025
CA	CHROME PLATING	Chrome Plating Facilities Listing	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	05/06/2025	05/06/2025	05/07/2025
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	06/12/2025	06/12/2025	09/05/2025
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	07/11/2025
CA	CUPA LIV-PLE	CUPA Facility Listing	Livermore-Pleasanton Fire Department	09/19/2024	11/05/2024	01/31/2025
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	05/23/2025	05/23/2025	08/14/2025
CA	DRYCLEAN AMADOR	Amador Air District Drycleaner Facility Listing	Amador Air Quality Management District	04/26/2023	04/27/2023	07/13/2023
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	05/22/2025	05/22/2025	05/30/2025
CA	DRYCLEAN BAY AREA	Bay Area Air Quality Management District Drycleaner Facility	Bay Area Air Quality Management District	06/05/2025	06/11/2025	08/20/2025
CA	DRYCLEAN BUTTE	Butte County Air Quality Management DistrictDrycleaner Facil	Butte County Air Quality Management District	04/03/2025	05/07/2025	07/29/2025
CA	DRYCLEAN CALAVERAS	Calaveras County Environmental Management Agency Drycleaner	Calaveras County Environmental Management Age	06/17/2019	06/19/2019	05/01/2023
CA	DRYCLEAN EAST KERN	Eastern Kern Air Pollution Control District District Dryclea	Eastern Kern Air Pollution Control District	08/21/2024	08/22/2024	11/05/2024
CA	DRYCLEAN FEATHER RVR	Feather River Air Quality Management District Drycleaner Fac	Feather River Air Quality Management District	03/08/2023	03/09/2023	06/05/2023
CA	DRYCLEAN GLENN	Glenn County Air Pollution Control District Drycleaner Facil	Glenn County Air Pollution Control District	08/26/2024	08/28/2024	11/13/2024
CA	DRYCLEAN GRANT	Grant Recipients List	California Air Resources Board	12/31/2021	01/26/2024	04/16/2024
CA	DRYCLEAN IMPERIAL	Imperial County Air Pollution Control District Drycleaner Fa	Imperial County Air Pollution Control Distric	10/02/2024	10/03/2024	12/20/2024
CA	DRYCLEAN LAKE	Lake County Air Quality Management District Drycleaner Facil	Lake County Air Quality Management District	02/15/2024	02/16/2024	05/02/2024
CA	DRYCLEAN MENDOCINO	Mendocino County Air Quality Management District Drycleaner	Mendocino County Air Quality Management Distr	08/26/2024	09/03/2024	11/13/2024
CA	DRYCLEAN MOJAVE	Mojave Desert Air Quality Management District Drycleaner Fac	Mojave Desert Air Quality Management District	05/02/2025	05/02/2025	07/18/2025
CA	DRYCLEAN MONTERY BAY	Monterey Bay Air Quality Management District Drycleaner Faci	Monterey Bay Air Quality Management District	04/15/2025	05/07/2025	07/29/2025
CA	DRYCLEAN N COAST	North Coast Unified Air Quality Management District Dryclean	North Coast Unified Air Quality Management Di	11/30/2016	04/19/2019	05/01/2023
CA	DRYCLEAN N SIERRA	Northern Sierra Air Quality Management District Drycleaner F	Northern Sierra Air Quality Management Distri	08/22/2024	08/22/2024	11/05/2024
CA	DRYCLEAN N SONOMA	Norther Sonoma County County Air Pollution Control District	Santa Barbara County Air Pollution Control Di	08/23/2024	08/26/2024	11/05/2024
CA	DRYCLEAN PLACER	Placer County Air Quality Management District Drycleaner Fac	Placer County Air Quality Management District	05/15/2023	05/17/2023	08/14/2023
CA	DRYCLEAN SACRAMENTO	Sacramento Metropolitan Air Quality Management DistrictDrycl	Sacramento Metropolitan Air Quality Managemen	09/03/2024	09/05/2024	11/13/2024
CA	DRYCLEAN SAN DIEGO	San Diego County Air Pollution Control District Drycleaner F	San Diego County Air Pollution Control Distri	05/02/2025	05/08/2025	07/28/2025
CA	DRYCLEAN SAN JOAQUIN	San Joaquin Valley Air Pollution Control District District D	San Joaquin Valley Air Pollution Control Dist	05/05/2025	05/07/2025	07/28/2025
CA	DRYCLEAN SAN LUIS OB	San Luis Obispo County Air Pollution Control District Drycle	San Luis Obispo County Air Pollution Control	05/02/2025	05/07/2025	07/29/2025
CA	DRYCLEAN SANTA BARB	Santa Barbara County Air Pollution Control District Dryclean	Santa Barbara County Air Pollution Control Di	02/19/2019	04/17/2019	05/01/2023
CA	DRYCLEAN SHASTA	Shasta County Air Quality Management District District Drycl	Shasta County Air Quality Management District	08/29/2024	09/05/2024	11/13/2024
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	05/14/2025	05/20/2025	08/05/2025
CA	DRYCLEAN TEHAMA	Tehama County Air Pollution Control District Drycleaner Faci	Tehama County Air Pollution Control District	04/24/2019	04/24/2019	05/01/2023
CA	DRYCLEAN VENTURA	Drycleaner Facility Listing	Ventura County Air Pollution Control District	05/05/2025	05/07/2025	07/29/2025
CA	DRYCLEAN YOLO-SOLANO	Yolo-Solano Air Quality Management District Drycleaner Facil	Yolo-Solano Air Quality Management District	05/15/2025	05/15/2025	07/29/2025
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	05/21/2025	05/28/2025	08/15/2025
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2023	03/11/2025	05/23/2025
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	04/14/2025	04/15/2025	06/27/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025
CA	FIN ASSURANCE 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/09/2025	04/10/2025	07/02/2025
CA	FIN ASSURANCE 2	Financial Assurance Information Listing	California Integrated Waste Management Board	05/08/2025	05/13/2025	07/30/2025
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	05/19/2025	05/20/2025	08/05/2025
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2024	06/30/2025	08/18/2025
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	05/12/2025	05/13/2025	07/30/2025
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	06/25/2025	06/25/2025	09/18/2025
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	06/26/2025	07/02/2025	08/18/2025
CA	ICE	Inspection, Compliance and Enforcement	Department of Toxic Subsances Control	05/12/2025	05/13/2025	07/30/2025
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	06/02/2025	06/02/2025	07/11/2025
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	05/30/2025	05/30/2025	08/18/2025
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	07/11/2025
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	07/11/2025
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	MINES	Mines Site Location Listing	Department of Conservation	05/29/2025	05/29/2025	08/18/2025
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	05/06/2025	05/23/2025	08/15/2025
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	06/04/2025	06/04/2025	08/27/2025
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	05/05/2025	05/06/2025	07/28/2025
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	05/23/2025	05/23/2025	08/14/2025
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	06/02/2025	06/02/2025	08/28/2025
CA	PROC	Certified Processors Database	Department of Conservation	05/30/2025	05/30/2025	08/18/2025
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	04/25/2025	05/07/2025	07/29/2025
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	05/05/2025	05/06/2025	07/28/2025
CA	SWRCY	Recycler Database	Department of Conservation	05/30/2025	05/30/2025	08/18/2025
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	05/29/2025	05/29/2025	08/19/2025
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	06/02/2025	06/02/2025	08/26/2025
CA	UST	Active UST Facilities	SWRCB	06/02/2025	06/02/2025	08/27/2025
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	05/13/2025	05/22/2025	05/27/2025
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	04/21/2025	04/22/2025	07/09/2025
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	05/30/2025	05/30/2025	08/19/2025
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	06/02/2025	06/02/2025	08/26/2025
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	05/28/2025	05/28/2025	06/03/2025
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	04/13/2025	04/15/2025	07/08/2025
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2023	02/19/2025	03/07/2025
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2023	10/16/2024	01/14/2025
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2025	05/02/2025	07/17/2025
US	CORRACTS	Corrective Action Report	EPA	06/02/2025	06/03/2025	06/16/2025
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	03/31/2025	04/22/2025	07/17/2025
US	Delisted NPL	National Priority List Deletions	EPA	06/26/2025	07/01/2025	07/17/2025
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	06/02/2025	06/04/2025	08/13/2025
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/22/2025	06/25/2025	08/27/2025
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/10/2025	06/12/2025	06/16/2025
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/05/2025	06/20/2025	08/27/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	04/08/2025	04/23/2025	04/24/2025
US	FINDS	Facility Index System/Facility Registry System	EPA	04/22/2025	05/05/2025	05/21/2025
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	07/23/2025	07/23/2025	07/29/2025
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	05/07/2025	05/13/2025	07/29/2025
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/11/2025	06/12/2025	06/16/2025
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	02/07/2024	11/13/2024	11/19/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	01/07/2025	01/16/2025	04/07/2025
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/08/2024	01/16/2025	04/07/2025
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/15/2024	01/16/2025	04/07/2025
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	06/26/2025	07/01/2025	07/17/2025
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	06/26/2025	07/01/2025	07/17/2025
US	LUCIS	Land Use Control Information System	Department of the Navy	03/11/2025	04/02/2025	06/24/2025
US	MINES MRDS	Mineral Resources Data System	USGS	06/04/2024	11/22/2024	02/18/2025
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	07/01/2025	07/01/2025	09/24/2025
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	05/07/2025	05/07/2025	06/03/2025
US	NPL	National Priority List	EPA	06/26/2025	07/01/2025	07/17/2025
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	07/01/2024	10/02/2024	01/10/2025
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/15/2024	03/06/2025	06/03/2025
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	06/23/2025	06/26/2025	09/24/2025
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PRP	Potentially Responsible Parties	EPA	06/26/2025	07/01/2025	07/29/2025
US	Proposed NPL	Proposed National Priority List Sites	EPA	06/26/2025	07/01/2025	07/17/2025
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RMP	Risk Management Plans	Environmental Protection Agency	04/05/2025	04/11/2025	07/08/2025
US	ROD	Records Of Decision	EPA	07/29/2025	08/04/2025	08/12/2025
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	06/26/2025	07/01/2025	07/17/2025
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	06/26/2025	07/01/2025	07/17/2025
US	SSTS	Section 7 Tracking Systems	EPA	04/14/2025	04/15/2025	07/08/2025
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2023	02/11/2025	02/18/2025
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	05/15/2025	05/15/2025	07/29/2025
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/09/2024	09/11/2024	12/06/2024
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	04/04/2025	06/02/2025	08/12/2025
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/02/2025	06/03/2025	06/16/2025
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	04/04/2025	06/02/2025	08/12/2025
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/01/2025	05/20/2025	07/29/2025
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	04/08/2025	05/20/2025	08/12/2025
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	02/14/2025	03/11/2025	06/03/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/04/2025	05/06/2025	07/21/2025
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish and Wildlife			
US	Topographic Map	Current USGS 7.5 Minute Topographic Map	U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NORCO COLLEGE
2001 THIRD ST
NORCO, CA 92860

TARGET PROPERTY COORDINATES

Latitude (North):	33.916356 - 33° 54' 58.88''
Longitude (West):	117.568947 - 117° 34' 8.21''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	447406.0
UTM Y (Meters):	3752833.2
Elevation:	625 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50005749 CORONA NORTH, CA
Version Date:	2022

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 principle 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).

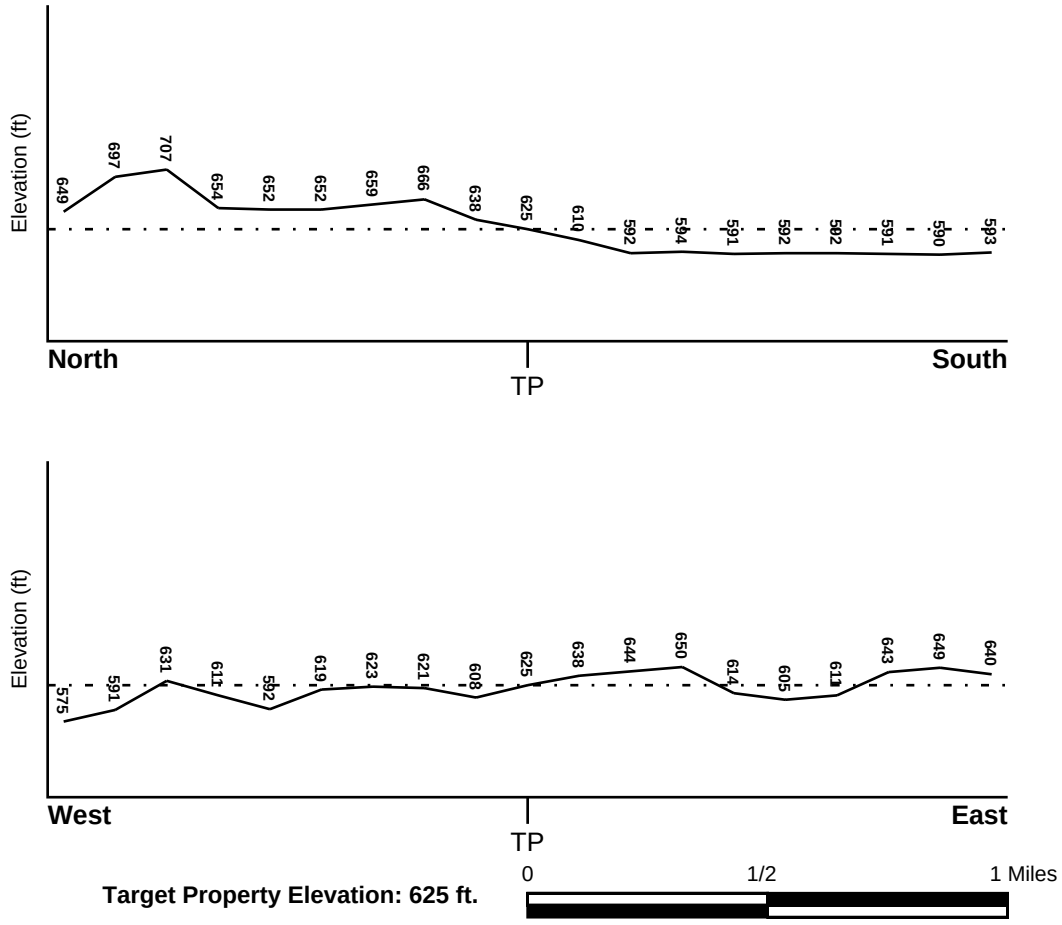
TOPOGRAPHIC INFORMATION

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 SSW

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

Flood Plain Panel at Target Property	FEMA Source Type
06065C0687G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C0691G	FEMA FIRM Flood data
06065C0689G	FEMA FIRM Flood data
06071C9375H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CORONA NORTH	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
Status:	Not found

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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

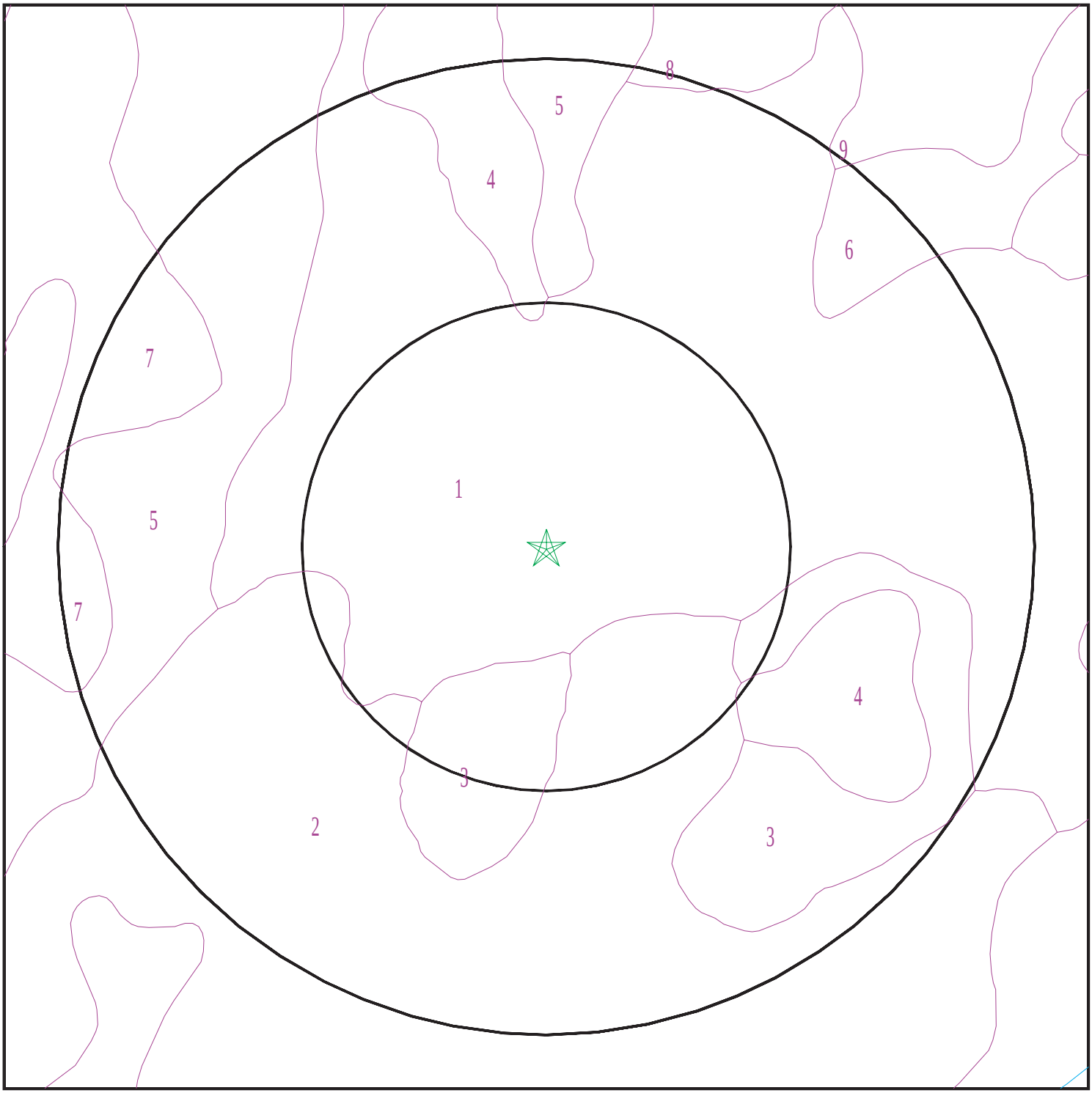
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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 - 8124730.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Norco College	CLIENT:	Terracon
ADDRESS:	2001 Third St Norco CA 92860	CONTACT:	Baylie Zemke
LAT/LONG:	33.916356 / 117.568947	INQUIRY #:	8124730.2s
		DATE:	September 30, 2025 10:14 am

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: DELHI

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1
2	9 inches	48 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1
3	48 inches	59 inches	fine 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: 42 Min: 14	Max: 7.8 Min: 6.1

Soil Map ID: 2

Soil Component Name: PLACENTIA

Soil Surface Texture: fine 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: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
2	18 inches	38 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
3	38 inches	57 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
4	57 inches	59 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: FALLBROOK

Soil Surface Texture: sandy 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: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	14 inches	24 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	24 inches	27 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 4

Soil Component Name: Cieneba

Soil Surface Texture: sandy 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: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	14 inches	22 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 5

Soil Component Name: BONSALL

Soil Surface Texture: fine sandy 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: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy 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: 1.4 Min: 0.42	Max: 9 Min: 7.4
2	9 inches	25 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: 1.4 Min: 0.42	Max: 9 Min: 7.4
3	25 inches	53 inches	sandy 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: 1.4 Min: 0.42	Max: 9 Min: 7.4

Soil Map ID: 6

Soil Component Name: CIENEBA

Soil Surface Texture: sandy 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: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	14 inches	22 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 7

Soil Component Name: CIENEBA

Soil Surface Texture: sandy 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: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	22 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 8

Soil Component Name: GREENFIELD

Soil Surface Texture: 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: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	sandy 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: 42 Min: 14	Max: 8.4 Min: 6.6
2	25 inches	42 inches	fine sandy 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: 42 Min: 14	Max: 8.4 Min: 6.6

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	42 inches	59 inches	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: 42 Min: 14	Max: 8.4 Min: 6.6
4	59 inches	72 inches	stratified loamy sand to sandy 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: 42 Min: 14	Max: 8.4 Min: 6.6

Soil Map ID: 9

Soil Component Name: VISTA

Soil Surface Texture: coarse sandy 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: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	24 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	24 inches	27 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D50	USGS40000138920	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000030417	1/4 - 1/2 Mile SE
A2	CAEDF0000091296	1/2 - 1 Mile ENE
A3	CAEDF0000041596	1/2 - 1 Mile ENE
A4	CAEDF0000044657	1/2 - 1 Mile ENE
A5	CAEDF0000142094	1/2 - 1 Mile ENE
A6	CAEDF0000139807	1/2 - 1 Mile ENE
B7	CADWR0000011874	1/2 - 1 Mile SSW
B8	CADWR0000020673	1/2 - 1 Mile SSW
B9	CADWR0000001998	1/2 - 1 Mile SSW
A10	CAEDF0000032415	1/2 - 1 Mile ENE
A11	CAEDF0000130328	1/2 - 1 Mile ENE
A12	CAEDF0000068001	1/2 - 1 Mile ENE
A13	CAEDF0000013754	1/2 - 1 Mile ENE
A14	CAEDF0000064466	1/2 - 1 Mile ENE
A15	CAEDF0000031757	1/2 - 1 Mile ENE
A16	CAEDF0000004125	1/2 - 1 Mile ENE
C17	CAEDF0000104127	1/2 - 1 Mile SE
C18	CAEDF0000129565	1/2 - 1 Mile SE
C19	CAEDF0000034245	1/2 - 1 Mile SE
C20	CAEDF0000114144	1/2 - 1 Mile SE
C21	CAEDF0000083923	1/2 - 1 Mile SE
22	CADWR0000017257	1/2 - 1 Mile ESE
C23	CAEDF0000070067	1/2 - 1 Mile SE
C24	CAEDF0000003096	1/2 - 1 Mile SE
C25	CAEDF0000105806	1/2 - 1 Mile SE
C26	CAEDF0000092395	1/2 - 1 Mile SE
C27	CAEDF0000111120	1/2 - 1 Mile SE
C28	CAEDF0000045153	1/2 - 1 Mile SE
C29	CAEDF0000074549	1/2 - 1 Mile SE
C30	CAEDF0000057762	1/2 - 1 Mile SE
C31	CAEDF0000049817	1/2 - 1 Mile SE
C32	CAEDF0000002541	1/2 - 1 Mile SE
C33	CAEDF0000142210	1/2 - 1 Mile SE
C34	CAEDF0000137379	1/2 - 1 Mile SE
C35	CAEDF0000038819	1/2 - 1 Mile SE
C36	CAEDF0000135136	1/2 - 1 Mile SE
C37	CAEDF0000109004	1/2 - 1 Mile SE
C38	CAEDF0000055468	1/2 - 1 Mile SE
C39	CAEDF0000119313	1/2 - 1 Mile SE
C40	CAEDF0000016158	1/2 - 1 Mile SE
C41	CAEDF0000108147	1/2 - 1 Mile SE
C42	CAEDF0000120958	1/2 - 1 Mile SE
C43	CAEDF0000106627	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

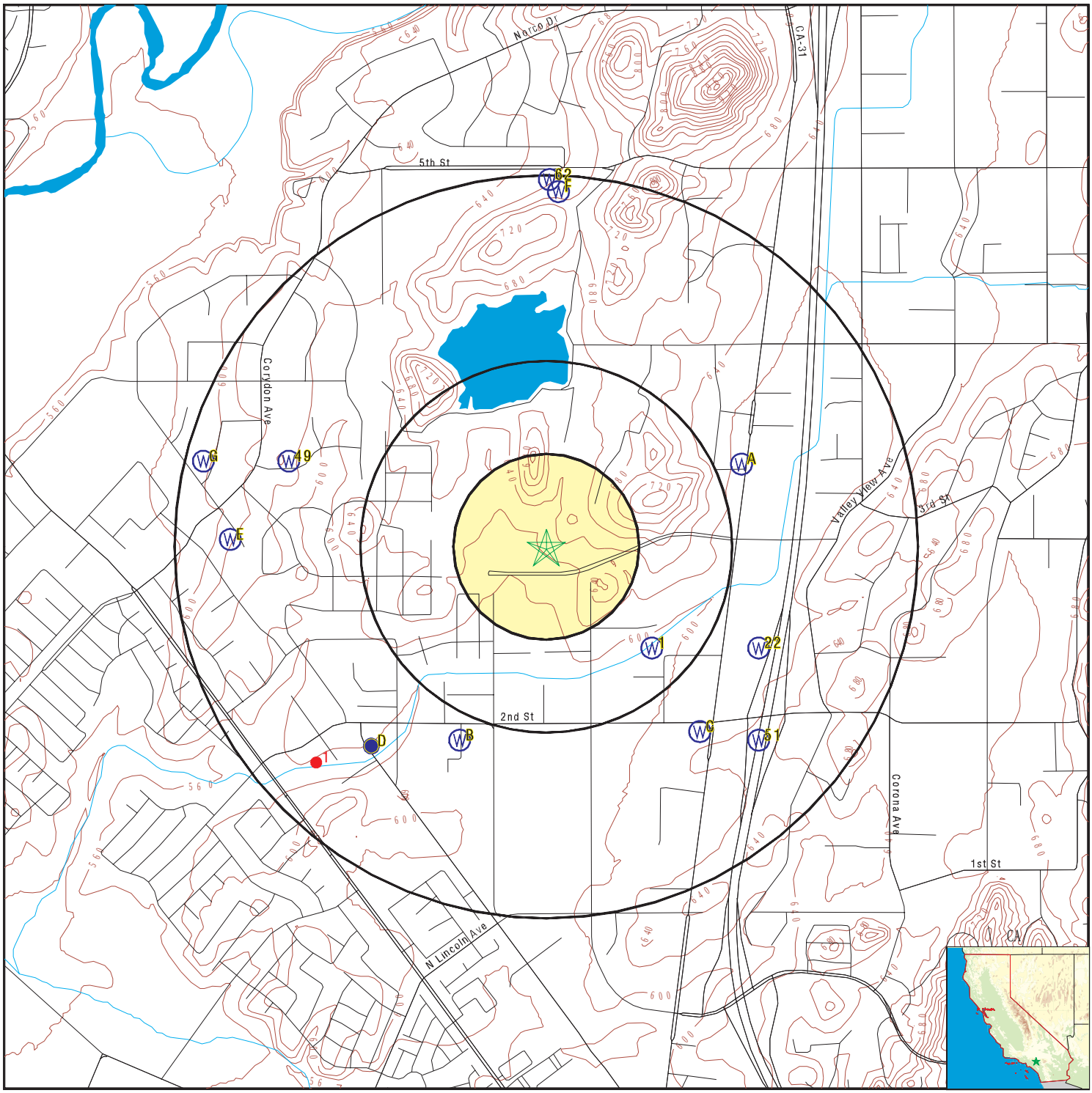
MAP ID	WELL ID	LOCATION FROM TP
C44	CAEDF0000074779	1/2 - 1 Mile SE
C45	CAEDF0000082114	1/2 - 1 Mile SE
C46	CAEDF0000062155	1/2 - 1 Mile SE
C47	CAEDF0000141570	1/2 - 1 Mile SE
D48	CADWR0000032826	1/2 - 1 Mile SW
49	CADWR0000032900	1/2 - 1 Mile WNW
51	CADWR0000016347	1/2 - 1 Mile SE
E52	CADDW2000002413	1/2 - 1 Mile West
E53	3604	1/2 - 1 Mile West
F54	CAEDF0000072958	1/2 - 1 Mile North
F55	CAEDF0000115604	1/2 - 1 Mile North
F56	CAEDF0000083354	1/2 - 1 Mile North
G57	CADWR0000036752	1/2 - 1 Mile WNW
G58	CADWR0000007915	1/2 - 1 Mile WNW
F59	CAEDF0000080369	1/2 - 1 Mile North
F60	CAEDF0000056426	1/2 - 1 Mile North
F61	CAEDF0000129182	1/2 - 1 Mile North
62	CAEDF0000083175	1/2 - 1 Mile North
F63	CAEDF0000086355	1/2 - 1 Mile North

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG17000004645	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 8124730.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Norco College	CLIENT:	Terracon
ADDRESS:	2001 Third St Norco CA 92860	CONTACT:	Baylie Zemke
		INQUIRY #:	8124730.2s
LAT/LONG:	33.916356 / 117.568947	DATE:	September 30, 2025 10:14 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000030417**

Well ID:	03S07W13G002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W13G002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W13G002S&store_num=		
GeoTracker Data:	Not Reported		

A2
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000091296**

Well ID:	T0606500206-BW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-14		

A3
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000041596**

Well ID:	T0606500206-BW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-8		

A4
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000044657**

Well ID:	T0606500206-TDD-6	Well Type:	MONITORING
Source:	EDF	Other Name:	TDD-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=TDD-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=TDD-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142094**

Well ID:	T0606500206-BW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-16		

A6
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000139807**

Well ID:	T0606500206-BW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-9		

B7
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000011874**

Well ID:	03S07W13M002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W13M002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W13M002S&store_num=		
GeoTracker Data:	Not Reported		

B8
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000020673**

Well ID:	03S07W13M003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W13M003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W13M003S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B9
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000001998**

Well ID:	03S07W13M001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W13M001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W13M001S&store_num=		
GeoTracker Data:	Not Reported		

A10
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000032415**

Well ID:	T0606500206-BW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-6		

A11
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000130328**

Well ID:	T0606500206-BW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-1		

A12
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000068001**

Well ID:	T0606500206-BW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-15		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A13
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000013754**

Well ID:	T0606500206-BW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-4		

A14
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000064466**

Well ID:	T0606500206-BW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-10		

A15
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000031757**

Well ID:	T0606500206-BW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-11		

A16
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000004125**

Well ID:	T0606500206-BW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	BW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500206&assigned_name=BW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500206&assigned_name=BW-7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C17
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000104127**

Well ID:	T0606520856-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-14		

C18
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129565**

Well ID:	T0606520856-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-16		

C19
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000034245**

Well ID:	T0606520856-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-10		

C20
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000114144**

Well ID:	T0606520856-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-21		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C21
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083923**

Well ID:	T0606520856-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-15		

22
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000017257**

Well ID:	03S07W13H002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W13H002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W13H002S&store_num=		
GeoTracker Data:	Not Reported		

C23
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070067**

Well ID:	T0606520856-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-20		

C24
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000003096**

Well ID:	T0606520856-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-17		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C25
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000105806**

Well ID:	T0606520856-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-9		

C26
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000092395**

Well ID:	T0606520856-OB-1	Well Type:	MONITORING
Source:	EDF	Other Name:	OB-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=OB-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=OB-1		

C27
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111120**

Well ID:	T0606520856-OB-2	Well Type:	MONITORING
Source:	EDF	Other Name:	OB-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=OB-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=OB-2		

C28
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000045153**

Well ID:	T0606520856-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-13		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C29
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074549**

Well ID:	T0606520856-OB-4	Well Type:	MONITORING
Source:	EDF	Other Name:	OB-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=OB-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=OB-4		

C30
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000057762**

Well ID:	T0606520856-OB-3	Well Type:	MONITORING
Source:	EDF	Other Name:	OB-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=OB-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=OB-3		

C31
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000049817**

Well ID:	T0606520856-OB-5	Well Type:	MONITORING
Source:	EDF	Other Name:	OB-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=OB-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=OB-5		

C32
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000002541**

Well ID:	T0606520856-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C33
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142210**

Well ID:	T0606520856-DPE-2	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=DPE-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=DPE-2		

C34
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000137379**

Well ID:	T0606520856-DPE-1	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=DPE-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=DPE-1		

C35
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000038819**

Well ID:	T0606520856-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-18		

C36
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000135136**

Well ID:	T0606520856-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C37
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000109004**

Well ID:	T0606520856-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-1		

C38
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000055468**

Well ID:	T0606520856-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-8		

C39
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000119313**

Well ID:	T0606520856-DPE-4	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=DPE-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=DPE-4		

C40
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000016158**

Well ID:	T0606520856-DPE-3	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=DPE-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=DPE-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C41
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000108147**

Well ID:	T0606520856-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-19		

C42
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120958**

Well ID:	T0606520856-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-3		

C43
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000106627**

Well ID:	T0606520856-DPE-5	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=DPE-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=DPE-5		

C44
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074779**

Well ID:	T0606520856-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-11		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C45
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000082114**

Well ID:	T0606520856-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-7		

C46
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000062155**

Well ID:	T0606520856-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-4		

C47
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000141570**

Well ID:	T0606520856-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606520856&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606520856&assigned_name=MW-6		

D48
SW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000032826**

Well ID:	03S07W14J002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W14J002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W14J002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

49
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000032900**

Well ID:	03S07W10R004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W10R004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W10R004S&store_num=		
GeoTracker Data:	Not Reported		

D50
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000138920**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S007W14J002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	243
Well Depth Units:	ft	Well Hole Depth:	243
Well Hole Depth Units:	ft		

51
SE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000016347**

Well ID:	03S07W13J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W13J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W13J001S&store_num=		
GeoTracker Data:	Not Reported		

E52
West
1/2 - 1 Mile
Higher

CA WELLS **CADDW2000002413**

GAMA:

Well ID:	CA3310025_008_008	Well Type:	MUNICIPAL
Source:	DDW	Other Names:	3310025-008
GAMA Pfas testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=CA3310025_008_008&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E53
West
1/2 - 1 Mile
Lower

CA WELLS **3604**

Seq:	3604	Prim sta c:	03S/07W-11E01 S
Frds no:	3310025008	County:	33
District:	14	User id:	WAT
System no:	3310025	Water type:	G
Source nam:	WELL 08 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335500.0	Longitude:	1173500.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3310025	System nam:	Norco, City Of
Hqname:	Not Reported	Address:	P.O. BOX 428
City:	NORCO	State:	CA
Zip:	91760	Zip ext:	Not Reported
Pop serv:	24704	Connection:	6153
Area serve:	NORCO CITY		

F54
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072958**

Well ID:	T0606500007-PP-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	PP-MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=PP-MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=PP-MW-4		

F55
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000115604**

Well ID:	T0606500007-PP-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	PP-MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=PP-MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=PP-MW-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F56
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000083354**

Well ID:	T0606500007-PP-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	PP-MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=PP-MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=PP-MW-2		

G57
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000036752**

Well ID:	03S07W10Q003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W10Q003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W10Q003S&store_num=		
GeoTracker Data:	Not Reported		

G58
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000007915**

Well ID:	03S07W10Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S07W10Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S07W10Q001S&store_num=		
GeoTracker Data:	Not Reported		

F59
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080369**

Well ID:	T0606500007-MG-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MG-MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=MG-MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=MG-MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F60
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056426**

Well ID:	T0606500007-MG-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MG-MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=MG-MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=MG-MW-5		

F61
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000129182**

Well ID:	T0606500007-MG-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MG-MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=MG-MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=MG-MW-1		

62
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000083175**

Well ID:	T0606500007-MG-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MG-MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=MG-MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=MG-MW-3		

F63
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000086355**

Well ID:	T0606500007-MG-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MG-MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0606500007&assigned_name=MG-MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0606500007&assigned_name=MG-MW-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database | EDR ID Number

1
SW
1/2 - 1 Mile

OIL_GAS | **CAOG17000004645**

OIL_GAS:

API #:	0406500135	Well #:	1
Well Type:	Dry Hole	Well Status:	Plugged
Lease Name:	Sullivan	Well Design:	Sullivan 1
Operator ID:	04427	Operator Name:	J. L. Smith, Operator
Field Name:	Any Field	Area Name:	Any Area
Place:	Norco	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		
Well Record Request URL:	https://filerequest.conservation.ca.gov/WellRecord?api=06500135		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92860	1	0

Federal EPA Radon Zone for RIVERSIDE County: 2

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 RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 pCi/L	100%	0%	0%

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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

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.

Geothermal Wells Listing
Department of Conservation
Telephone: 916-445-9686
Geothermal well means a well constructed to extract or return water to the ground after it has been used for heating or cooling purposes. Geothermal wells in California (except for wells on federal leases which are administered by the Bureau of Land Management) are permitted, drilled, operated, and permanently sealed and closed (plugged and abandoned) under requirements and procedures administered by the Geothermal Section of the Department of Conservations Geologic Energy Management Division (CalGEM, formerly DOGGR).

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

California Earthquake Fault Lines
Source: California Division of Mines and Geology
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.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
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.

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

APPENDIX E

CREDENTIALS

Baylie Zemke

STAFF SCIENTIST

EDUCATION

Bachelor of Science, Environmental Biology California State Polytechnic University Pomona, California, 2020.

CERTIFICATIONS

40-Hour OSHA HAZWOPER

Basic Wetland Delineation

WORK HISTORY

Terracon Consultants, Inc. (Laguna Hills, CA). Staff Scientist January 2024 to Present

Terracon Consultants, Inc. (Laguna Hills, CA). Assistant Scientist July 2021 to January 2024

Orange County Coast Keepers. Industrial Stormwater Monitor, October 2020- April 2021

PROFESSIONAL EXPERIENCE

Ms. Zemke is a Staff Scientist in Terracon's Orange County, California Office. In this office, Ms. Zemke works on preparing Phase I Environmental Site Assessments (ESA) reports. These efforts involve managing all aspects of the project in order to ensure that it is completed on time and within the scope as well as engaging with the Authorized Project Reviewer. Additionally, Ms. Zemke completes field surveys, interviews with property owners, Environmental Data Resource reports, and file reviews at local county and city regulatory offices. As required, each ESA is prepared and finalized in accordance with new ASTM Standards. Her experience ranges from small scale buildings to large scale industrial and commercial properties.

PROJECT EXPERIENCE

COMMERCIAL
Project Manager and Environmental Site Assessment on commercial properties including restaurants and retail spaces.

AUTO DEALERSHIPS/AUTOMOTIVE SERVICE
Project Manager and Environmental Site Assessment on automotive dealerships, automotive maintenance facilities, and automotive collision repair centers.

OFFICE BUILDINGS
Project Manager and Environmental Site Assessment on office properties including multi-story financial, educational, and medical office buildings.

MULTI-FAMILY & SENIOR COMMUNITIES
Project Manager and Environmental Site Assessment on properties including apartment complexes and senior communities.

WAREHOUSE & INDUSTRIAL
Project Manager and Environmental Site Assessment on properties including warehouses and logistical centers.

TELECOMMUNICATIONS
Project Manager and Environmental Site Assessment for telecommunications towers.

ENERGY & UTILITIES
Project Manager and Environmental Site Assessment for solar sites ranging from 300-acres to over 1,000-acres.

AGRICULTURE & LAND DEVELOPMENT
Project Manager and Environmental Site Assessment on projects ranging from 20-acres to over 300-acres.

Islam (Sami) R. Noaman

SENIOR ENVIRONMENTAL CONSULTANT / PRINCIPAL

EDUCATION

Bachelor of Science, Chemistry/Environmental Chemistry, 2002, City University of New York, City College of New York

Masters in Environmental Engineering (California State University Fullerton - May 2023)

REGISTRATIONS

Certified Engineer in Training (CA) Certification No. EIT 171371

CERTIFICATIONS

40-Hour OSHA Hazardous Waste Operations & Emergency Response Training Course

PROFESSIONAL EXPERIENCE

Mr. Noaman is a Principal with Terracon and would be a senior consultant on San Bernardino County on-call contract. He is currently supporting our Southern California region with over 20 years of environmental consulting experience. Mr. Noaman oversees teams managing asbestos, industrial hygiene, regulatory compliance, and environmental planning services.

PROJECT EXPERIENCE

Due Diligence Services

Mr. Noaman managed thousands of due diligence projects. His role throughout his career varies from project management, client management, consulting services, and QA/QC reviews. Typical project experience would include, Phase I Environmental Site Assessments (ESAs), Phase II ESAs, Hazardous Materials Assessments, Limited regulatory Compliance Assessments (LECAs), and Limited Environmental Planning and Natural Resources Services.

Stormwater, Wastewater, and Hazardous Materials Regulatory Compliance Services:

Mr. Noaman managed numerous regulatory compliance services for industrial, commercial, and renewable energy projects across Southern California. These services typically included client and agency coordination, implementation of guidelines required by the state of California Water Resources Board (SWRB) and/or Certified Unified Program Agency (CUPA), and consultation with clients.

Environmental Planning Services:

Mr. Noaman and his environmental planning team manage services necessary to obtain environmental clearance and entitlement to construct facilities for the County. Our environmental planning services will include the preparation of all documentation necessary to initiate, process, review and ultimately obtain certification of Environmental Impact Reports (or relevant project-specific environmental documents) that will environmentally clear approval and implementation of a specific project/facility in compliance with the California Environmental Quality Act (CEQA). If the project is located on federal land and requires clearance from Federal agencies, Mr. Noaman's team has the expertise to navigate through the environmental permitting process in accordance with the National Environmental Policy Act (NEPA) and obtain certification of Environmental Impact Statement (EIS) or relevant project-specific environmental document.

EDUCATION

Bachelor of Science, Geology, University of California, Riverside, 2023

WORK HISTORY

Terracon Consultants, Inc. (Colton, CA). Assistant Geologist, 2025-Present

Hughes Paleontology Lab, University of California, Riverside (Riverside, CA). Undergraduate Research Assistant, 2022-2023

Kimberly Buenrostro

ASSISTANT GEOLOGIST

PROFESSIONAL EXPERIENCE

Ms. Buenrostro is an Assistant Geologist in Terracon's Colton, California Office. In this office, Ms. Buenrostro prepares Phase I Environmental Site Assessments (ESA) reports. She manages all aspects of the project and engages with the Authorized Project Reviewer to ensure that it is completed within scope, and on time. Additionally, Ms. Buenrostro oversees field surveys, interviews with property owners, Environmental Data Resource reports, and file reviews at local county and city regulatory offices. As required, each ESA is prepared and finalized in accordance with the current ASTM 1527-21 Standard.

PROJECT EXPERIENCE

Ms. Buenrostro has conducted numerous Phase I ESA's for properties in California in the United States, evaluating present and past land use to locate potential sources of hazardous materials/wastes. Tasks involved consist of reviewing environmental data/records, including aerial photographs, fire insurance maps, topographic maps, historical city directories, environmental database reports, site reconnaissance, personnel interviews, state, and local agencies file reviews.

Appendix G
Traffic Studies (Trip Generation and VMT Screening Assessments)

INTEGRATED ENGINEERING GROUP
TRANSPORTATION PLANNING AND ENGINEERING

Date: December 16, 2025

To: Mehran Mohtasham, Director of Capital Planning, Riverside Community College District

From: George Ghossain, Principal Engineer, Integrated Engineering Group

Subject: Trip Generation Assessment for The Library Learning Resource Center (LLRC) Project

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Integrated Engineering Group (IEG) is pleased to submit this trip generation assessment memo for the proposed Library Learning Resource Center (LLRC) project (Project) located at 2001 Third St in the City of Norco California. The proposed LLRC will be located on the southern edge of the Norco College Campus core, adjacent to Parking Lot A, north of Third Street, east of the sports complex, and west of Windy Way.

The objective of the proposed Project is to develop a modernized LLRC facility that aligns with current instructional requirements and student needs. The existing Student Services building, and College Resource Center will be demolished as secondary effects of the proposed project. Additionally, the existing Library building will be inactivated for future repurposing as a separate capital construction project.

Space limitations within the existing Library building impact multiple Library and Learning Resource functions. Silent study and testing/proctoring rooms are in short supply in the existing facilities. For example, the Disability Resource Center (DRC) testing space in the existing facility is housed within the library and does not have its own dedicated space. This results in the DRC testing space needing to compete with the general student population for quiet reading/study rooms within the building. Additionally, the space dedicated to house the print collection does not hold enough titles to meet the needs of students. Similarly, space dedicated to the circulation desk remains too low to distribute titles readily and conveniently to all students. This includes very low levels of space dedicated to book archival, repair, and cataloging. The College must address these shortcomings to provide access to essential materials such as textbooks or course-assigned titles. Some Library and Learning Resource spaces within the existing facility have been converted into offices and workstations for faculty and staff. The microfiche room has been converted into an office for the Library Dean. The area in front of the Library Dean's office has been converted into an Administrative Assistant workstation, and two library study rooms have been converted into Librarian offices.

Technology infrastructure gaps within the existing Library prevent the facility from adequately serving the College's student body. As of the 2019-2020 academic year, there was only one desktop computer for every 218 students and one laptop for every 424 students on campus. Additionally, current facilities cannot support planned programs such as an engineering room, STEM demonstration area, or video production suite. The technology and space shortage prevent the College from implementing not only the planned programs mentioned above but also basic

resources such as an Information Technology Help Desk to assist users troubleshoot with computers or connection issues.

Faculty members within the existing Student Services and College Resource Center buildings face similar obstacles to providing critical student services in an equitable and efficient manner. These buildings are home to the campus police department, financial aid, admissions and records, specialized counseling programs, and administration. In the Fall 2022 term, 4,968 students received counseling/advisement services, 1,268 students received educational plan services, and 2,479 students received other student services. These services include counseling, transfer advising, and specialized academic mentoring services. The large volume of daily students in an undersized facility has led to significant overflow issues. Postponing or relocating meetings outdoors or to classrooms commonly occurs due to a lack of private spaces within the existing facilities. Additionally, peak-hour computer usage exceeds capacity, resulting in waiting lists to access student services. No more than two transfer admission representatives can work at one time due to limited workstations. The enrollment services department in the Student Services building lacks sufficient computer space to accommodate student demand. Students are often sent to another floor of the building to access computers. The College police department in the Resource Center also has a shortage of space for workstations and computer equipment.

The Proposed LLRC project will construct a new 3-story building which increases space capacity within laboratory, office, library, and audio/visual media space on campus. The project will include updated infrastructure, technology capabilities, accessibility, and energy efficiency. The proposed LLRC and Student Services building is planned to encompass 77,430 Gross Square Feet (GSF) and consists of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classrooms, 16,968 ASF of faculty/staff office space, 26,112 ASF of library/library support, 994 ASF of audio/visual media space, and 3,491 ASF of other support space.

The preliminary project plans are provided in **Attachment 1**. The Project is anticipated to be constructed in a single phase. Two potential unpaved construction laydown areas are identified north of the proposed project site—one located on the west side adjacent to the sports complex, and the other on the east side adjacent to the operations center.

NEED TO COMPLETE LOS AS PART OF THE TIA ANALYSIS

Western Riverside Council of Governments (WRCOG) *Recommended Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment (January 2020)* provide activities that would not require a TIA that includes level of service analysis based on land use type or limited trip generation.

TRIP GENERATION

Trip generation is a measure or forecast of the number of trips that begin or end at the project site. The traffic generated is a function of the extent and type of development proposed for the site. These trips will result in some traffic increases on the streets where they occur. Per the Guidelines, trip generation for proposed uses must be

calculated based on rates from the *Trip Generation Manual (TGM), 12th Edition*, published by the Institute of Transportation Engineers (ITE) and rates that are developed based on the specific project operational information provided by the site operator. The rates were then applied to determine if this Project net trips generation satisfy the thresholds to be exempt from preparing a TIA with LOS.

The proposed project will replace existing aging facilities with a modern building featuring updated technology and infrastructure designed to fully support the needs of Norco College's faculty and students. This enhancement aims to improve the overall learning environment and student experience.

Since the project will replace aging facilities and primarily serve existing students population who will benefit from the upgraded facility, no additional vehicle trips are anticipated. Therefore, a Level of Service (LOS) analysis is not required, as the project is not expected to generate new trips or result in 100 or more vehicle trips during the peak hour.

PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

Trip distribution and assignment is the process of identifying the probable destinations, directions and traffic routes that Project related traffic will likely affect. Trip distribution and assignment are not applicable in this case since the project has demonstrated that it will generate less than 100 vehicle trips during peak hours.

INTERSECTION ANALYSIS

Intersection analysis is not applicable in this case since the project has demonstrated that it will generate less than 100 vehicle trips during peak hours.

PROJECT ACCESS

Regional access to the project site is provided from Interstate 15 (I-15) through Third Street. The main pedestrian access is generally in the center of the building and will be from the south, nearest to the parking lot. From this access point, there are hallways reaching both the east and west ends of the building. Stairs to the second floor are also located at both the east and west ends of the building. Access to the second floor is from the north at Plaza Level leading into a lobby area with hallways reaching both east and west. The third floor has an atrium that is open from the second floor and a smaller lobby and hallways.

CONCLUSION

The proposed LLRC project, located within the City of Norco involves replacing the existing Student Services building, and College Resource Center will with a new three-story, modern facility designed to fully support the needs of Norco College's existing faculty and students. The project aims to enhance the overall learning environment and improve the student learning experience. Since the project will serve the existing faculty and student population and is not anticipated to generate additional traffic, it qualifies for an exemption from preparing a Traffic Impact Analysis (TIA), as supported by the traffic assessment and technical information presented in this memorandum.

Attachment – Project Site Plan

INTEGRATED ENGINEERING GROUP

TRANSPORTATION PLANNING AND ENGINEERING

ATTACHMENT – Project Site Plan

1 CAMPUS PLOT PLAN

1" = 160'-0"

Issue Date: 05/17/2020

CAMPUS SITE PLAN

CANNONDESIGN

ALMA strategies

LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES

RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT

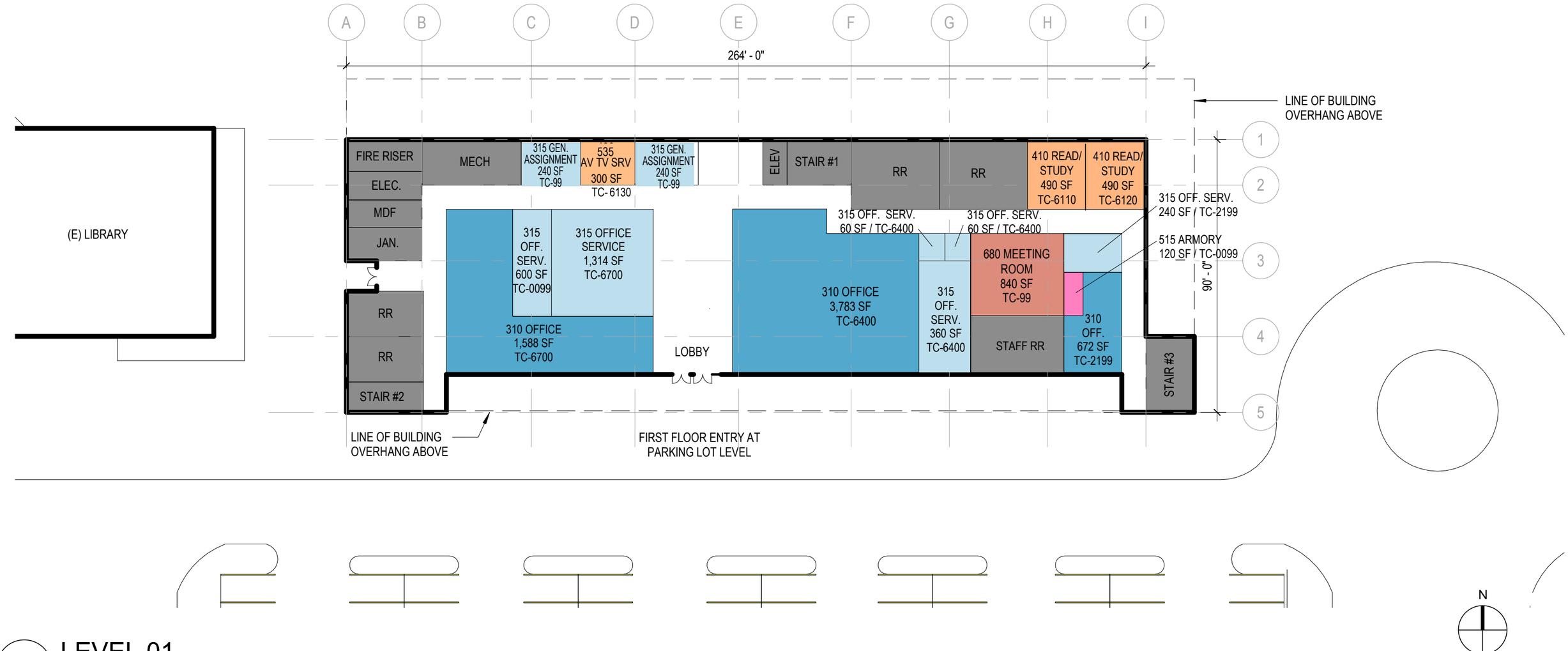
NORCO COLLEGE

LEVEL 01 PROGRAM

ROOM USE	TOP CODE	ASF
310 OFFICE	2199	672 SF
	6400	3783 SF
	6700	1,588 SF
315 OFFICE SERVICE	0099	1080 SF
	2199	240 SF
	6400	480 SF
	6700	1,314 SF

ROOM USE	TOP CODE	ASF
410 READ / STUDY ROOM	6110	490 SF
	6120	490 SF
515 ARMORY	2199	120 SF
535 AUDIO/VISUAL/TV	6130	300 SF
680 MEETING ROOM	0099	840 SF

LEVEL 01 TOTAL ASF	11,397 ASF
LEVEL 01 TOTAL GSF	21,038 GSF



1 LEVEL 01

1/32" = 1'-0"

Issue Date: 05/17/2020

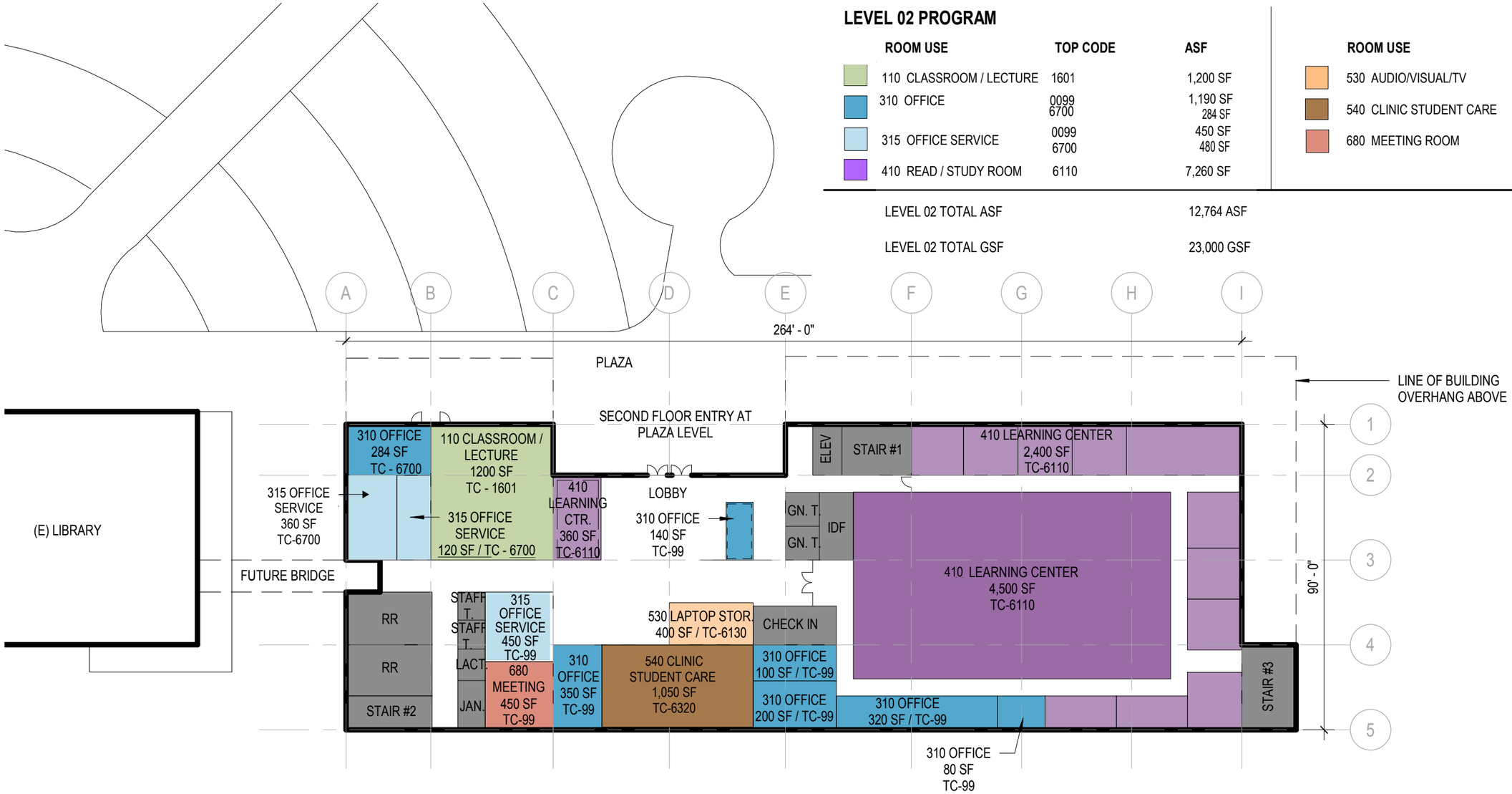
Level 01 Plan - A&R, FA, STUDENT SERVICES

LEVEL 02 PROGRAM

ROOM USE	TOP CODE	ASF
110 CLASSROOM / LECTURE	1601	1,200 SF
310 OFFICE	0099 6700	1,190 SF 284 SF
315 OFFICE SERVICE	0099 6700	450 SF 480 SF
410 READ / STUDY ROOM	6110	7,260 SF

ROOM USE	TOP CODE	ASF
530 AUDIO/VISUAL/TV	6130	400 SF
540 CLINIC STUDENT CARE	6320	1,050 SF
680 MEETING ROOM	0099	450 SF

LEVEL 02 TOTAL ASF	12,764 ASF
LEVEL 02 TOTAL GSF	23,000 GSF



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1 LEVEL 02

1/32" = 1'-0"

Issue Date: 05/17/2020

Level 02 Plan - LRC, CRC

CANNONDESIGN

ALMA strategies

LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES

RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT

NORCO COLLEGE

LEVEL 03 PROGRAM

ROOM USE	TOP CODE	ASF
310 OFFICE	1601 6000	860 SF 2,500 SF
315 OFFICE SERVICE	1601 6000	450 SF 516 SF
410 READ / STUDY ROOM	6110 6120	3,125 SF 2,400 SF
420 STACK	6120	10,440 SF
440 PROCESSING ROOM	6120	750 SF
530 AUDIO/VISUAL/TV	6130	240 SF
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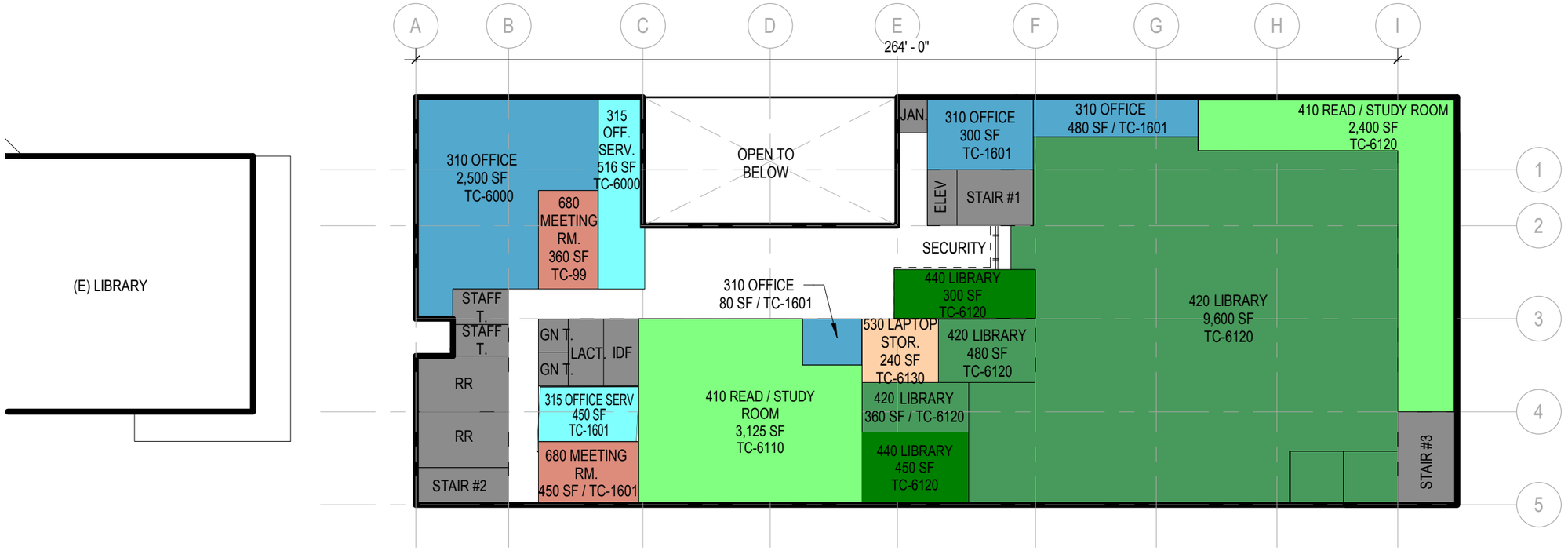

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1 LEVEL 03

1/32" = 1'-0"

Issue Date: 05/17/2020

Level 03 Plan - LIBRARY, ADMIN

Norco Library Learning Resource Center (LLRC)
Vehicle Miles Traveled Screening Assessment

Prepared for:

Terracon

145 W Walnut Street
Carson, CA 90248

Prepared by:

INTEGRATED ENGINEERING GROUP
TRANSPORTATION PLANNING AND ENGINEERING

23905 Clinton Keith Road 114-280
Wildomar, CA 92595

October 2025

1.0 PROJECT INTRODUCTION

The purpose of this report is to evaluate the Library Learning Resource Center (LLRC) project (Project) vehicle miles traveled (VMT) analysis requirements and compliance with Senate Bill 743 (SB 743) and the California Environmental Quality Act (CEQA).

1.1 PROJECT DESCRIPTION

The objective of the proposed Project is to develop a modernized LLRC facility that aligns with current instructional requirements and student needs. The existing Student Services building, and College Resource Center will be demolished as secondary effects of the proposed project. Additionally, the existing Library building will be inactivated for future repurposing as a separate capital construction project.

Space limitations within the existing Library building impact multiple Library and Learning Resource functions. Silent study and testing/proctoring rooms are in short supply in the existing facilities. For example, the Disability Resource Center (DRC) testing space in the existing facility is housed within the library and does not have its own dedicated space. This results in the DRC testing space needing to compete with the general student population for quiet reading/study rooms within the building. Additionally, the space dedicated to house the print collection does not hold enough titles to meet the needs of students. Similarly, space dedicated to the circulation desk remains too low to distribute titles readily and conveniently to all students. This includes very low levels of space dedicated to book archival, repair, and cataloging. The College must address these shortcomings to provide access to essential materials such as textbooks or course-assigned titles. Some Library and Learning Resource spaces within the existing facility have been converted into offices and workstations for faculty and staff. The microfiche room has been converted into an office for the Library Dean. The area in front of the Library Dean's office has been converted into an Administrative Assistant workstation, and two library study rooms have been converted into Librarian offices.

Technology infrastructure gaps within the existing Library prevent the facility from adequately serving the College's student body. As of the 2019-2020 academic year, there was only one desktop computer for every 218 students and one laptop for every 424 students on campus. Additionally, current facilities cannot support planned programs such as an engineering room, STEM demonstration area, or video production suite. The technology and space shortage prevent the College from implementing not only the planned programs mentioned above but also basic resources such as an Information Technology Help Desk to assist users troubleshoot with computers or connection issues.

Faculty members within the existing Student Services and College Resource Center buildings face similar obstacles to providing critical student services in an equitable and efficient manner. These buildings are home to the campus police department, financial aid, admissions and records, specialized counseling programs, and administration. In the Fall 2022 term, 4,968 students received counseling/advisement services, 1,268 students received educational plan services, and 2,479 students received other student services. These services include counseling, transfer advising, and specialized academic mentoring services. The large volume of daily students in an undersized facility has led to significant overflow issues. Postponing or relocating meetings outdoors or to classrooms commonly occurs due to a lack of private spaces within the existing facilities. Additionally, peak-hour computer usage exceeds capacity, resulting in waiting lists to access student services. No more than two transfer admission representatives can work at one time due to limited workstations. The

enrollment services department in the Student Services building lacks sufficient computer space to accommodate student demand. Students are often sent to another floor of the building to access computers. The College police department in the Resource Center also has a shortage of space for workstations and computer equipment.

The Proposed LLRC project will construct a new 3-story building which increases space capacity within laboratory, office, library, and audio/visual media space on campus. The project will include updated infrastructure, technology capabilities, accessibility, and energy efficiency. The new LLRC facility will encompass 77,430 Gross Square Feet (GSF) and consist of 48,827 Assignable Square Feet (ASF). Functional space within the building will include 1,261 ASF of classroom, 16,968 ASF of office, 26,112 ASF of library, 994 ASF of audio/visual, and 3,491 ASF of other support space.

Attachment 1 includes the Preliminary Project Development Plans.

1.2 SENATE BILL 743

On September 27, 2013, SB 743 was signed into State law and started a process intended to fundamentally change transportation impact analysis as part of the CEQA compliance. The California Natural Resource Agency updated the CEQA transportation analysis guidelines in 2018. In this update automobile delay and LOS metrics are no longer to be used in determining transportation impacts. Instead VMT metrics will serve as the basis in determining impacts. Furthermore, the guidelines stated that after July 1, 2020, transportation analysis under CEQA must use VMT to determine impacts for land use projects.

1.3 GUIDANCE DOCUMENTS

The Project is within the jurisdiction of the City of Norco. The City has adopted guidance on evaluating VMT for transportation impacts under CEQA. Therefore, the *City of Norco Vehicle Miles Traveled (VMT) Resolution No. 2020-62*, hereafter referred to as Guidelines, will be used for this assessment.

2.0 ANALYSIS METHODOLGY

2.1 SCREENING CRITERIA ASSESSMENT

The Guidelines recognize that certain projects based on type, location, size and other contexts could lead to a *presumption of less than significance* (i.e. the Project's VMT would not cause a transportation impact) and would not need additional VMT analysis.

The Guidelines provide the following screening criteria:

- Retail projects up to 50,000 SF in floor area.
- Projects generating less than 110 daily trips.
- Projects within a Transit Priority Area (TPA). A TPA is defined as locations within ½ mile of a major transit stop or within ½ mile of a high-quality transit corridor with 15-minute or less headways during peak commute hours.
- Affordable housing developments or affordable housing units within mixed-use developments.
- Transportation projects that promote non-auto travel, improve safety, or improve traffic operations at current bottlenecks, such as transit, bicycle and pedestrian facilities, intersection traffic control (e.g., traffic signals or roundabouts), or widening at intersections to provide new turn lanes.

2.2 VMT ANALYSIS

Projects that do not meet any of the screening criteria identified would need to perform a VMT analysis per the Guidelines. The Project would need to evaluate the appropriate VMT metrics and compare them to thresholds to determine significance as defined by the Guidelines.

2.3 VMT THRESHOLDS

Once a project identifies the appropriate VMT measures for the proposed land uses it would need to be compared to thresholds for those metrics to determine significance under CEQA.

The thresholds as defined by the Guidelines are shown in **Table 1-1**:

Table 1-1
Project Baselines & Thresholds Of Significance

Project Type	Thresholds
Land Use Plan	1) Project Impact: A significant impact would occur if the VMT rate for the plan would exceed the applicable baseline VMT rate per service population. 2) Cumulative Project Effect: A significant impact would occur if the project increases total regional VMT compared to cumulative no project conditions.
Land Use Project (Residential)	1) Project Impact: A significant impact would occur if the VMT rate for the project would exceed the daily total VMT per service population; **OR** 2) Project Impact: A significant impact would occur if the VMT rate for the project would exceed daily residential home-based VMT per capita. 3) Cumulative Project Effect: A significant impact would occur if the project would exceed the total regional VMT compared to cumulative no project conditions, under either condition above.
Office, Commercial, or Retail Land Use Project.	1) Project Impact: A significant impact would occur if the VMT rate for the project would exceed the applicable baseline VMT rate per service population; **OR** 2) Project Impact: A significant impact would occur if the VMT rate for the project would exceed daily home-based work VMT per worker. 3) Cumulative Project Effect: A significant impact would occur if the project increases the VMT rate in the study area above the baseline conditions for that area.
Transportation Project	A significant impact would occur if the project causes a net increase in total regional VMT compared to baseline conditions, opening year no project conditions, or cumulative no project conditions.
All land use and transportation projects	A significant impact would occur if the project is inconsistent with the **RIVTAM/RIVCOM.**

Note: Baseline VMT rate is defined as the City's jurisdictional average VMT per appropriate development category.

3.0 PROJECT ANALYSIS

The proposed LLRC project, located within the City of Norco involves replacing the existing Student Services building, and College Resource Center with a new three-story, modern facility designed to fully support the needs of Norco College's existing faculty and students.

3.1 SCREENING ASSESSMENT

Project Type Screening – The proposed LLRC is part of an existing community college that is currently serving the local community. The Project proposes replacing the existing Student Services building, and College Resource Center with a new three-story, modern facility designed to fully support the needs of Norco College's existing faculty and students. **Therefore, the Project may be presumed to have a less than significant impact for VMT since the new LLRC ancillary building is not expected to generate any new trips.**

Redevelopment Project – The Project does replace an existing use and therefore **does qualify for this criterion**.

3.2 CONCLUSION

As shown in Section 3.1 the Project is presumed to cause a less than significant VMT impact. Therefore, it is our recommendation that the Project be approved and not be required to conduct a full VMT analysis.

Should you have any questions, please feel free to contact me at:
Email: george@intenggroup.com
Phone: (951) 239-1546
Address: 23905 Clinton Keith Road 114-280
Wildomar CA, 92595

Attachment – 1- Preliminary Project Development Plans

ATTACHMENT 1 – Preliminary Project Development Plans

1 CAMPUS PLOT PLAN

1" = 160'-0"

Issue Date: 05/17/2020

CAMPUS SITE PLAN

CANNONDESIGN

ALMA strategies

LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES

RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT

NORCO COLLEGE

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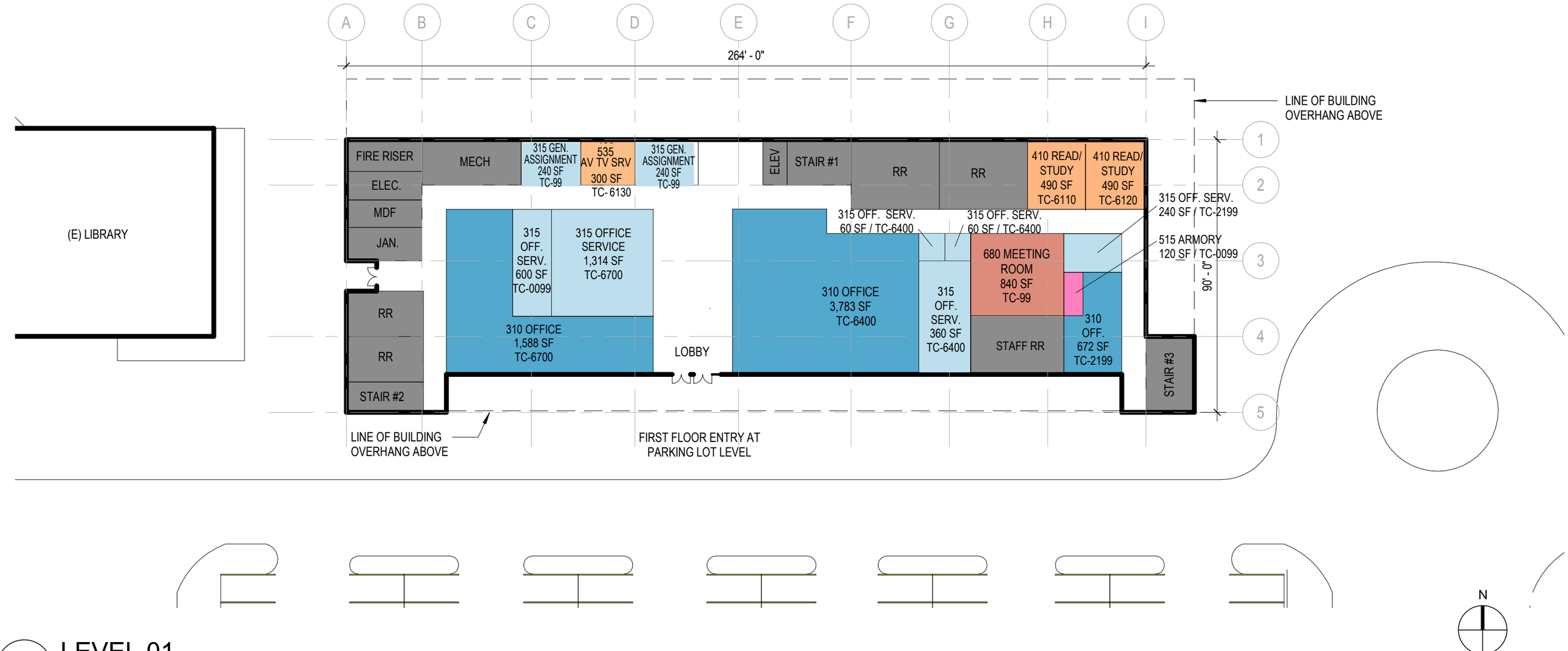

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Issue Date: 05/17/2020

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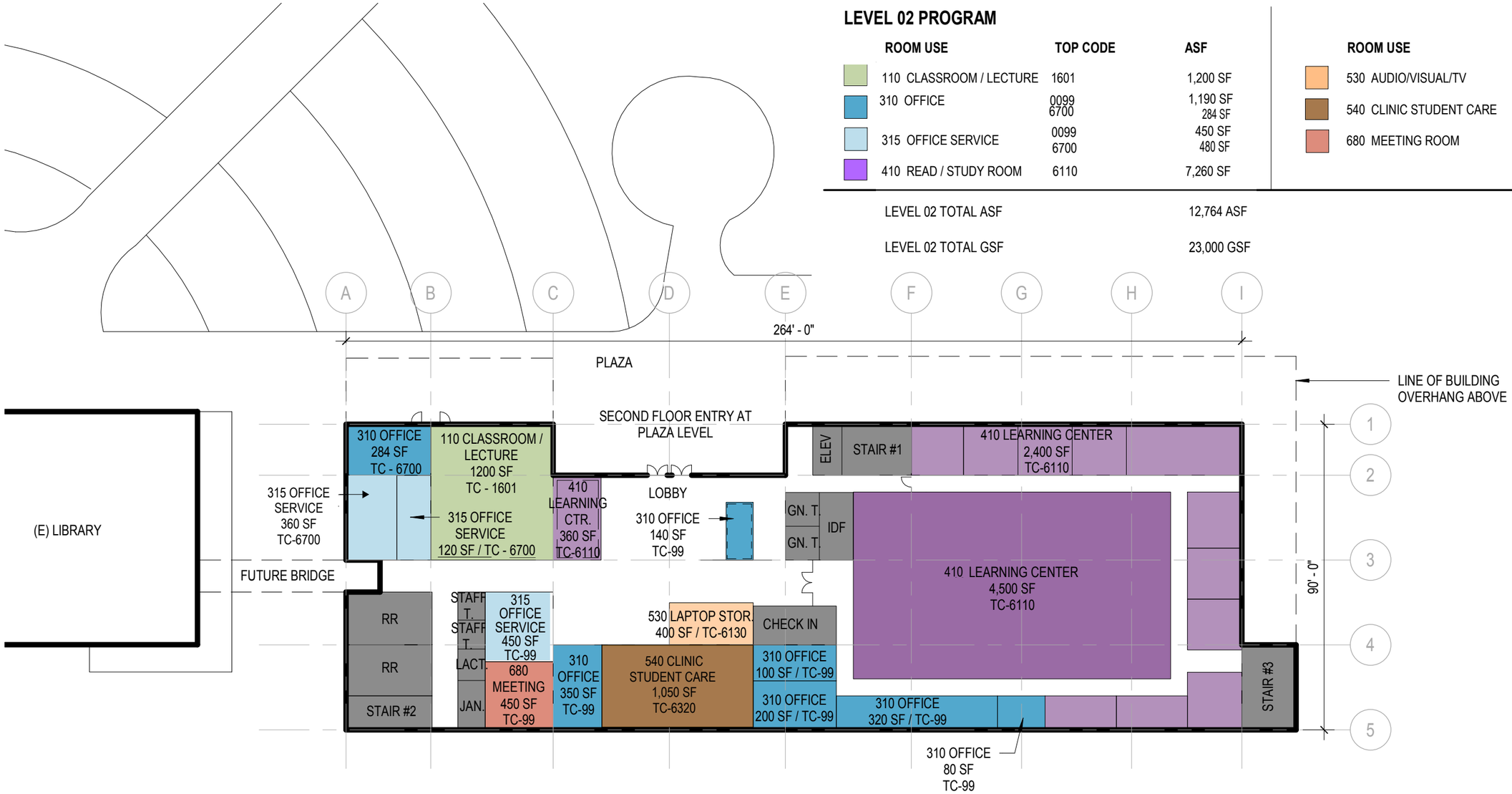

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1 LEVEL 02

1/32" = 1'-0"

Issue Date: 05/17/2020

Level 02 Plan - LRC, CRC

CANNONDESIGN

ALMA strategies

LIBRARY LEARNING RESOURCE CENTER & STUDENT SERVICES

RCCD RIVERSIDE COMMUNITY COLLEGE DISTRICT

NORCO COLLEGE

LEVEL 03 PROGRAM

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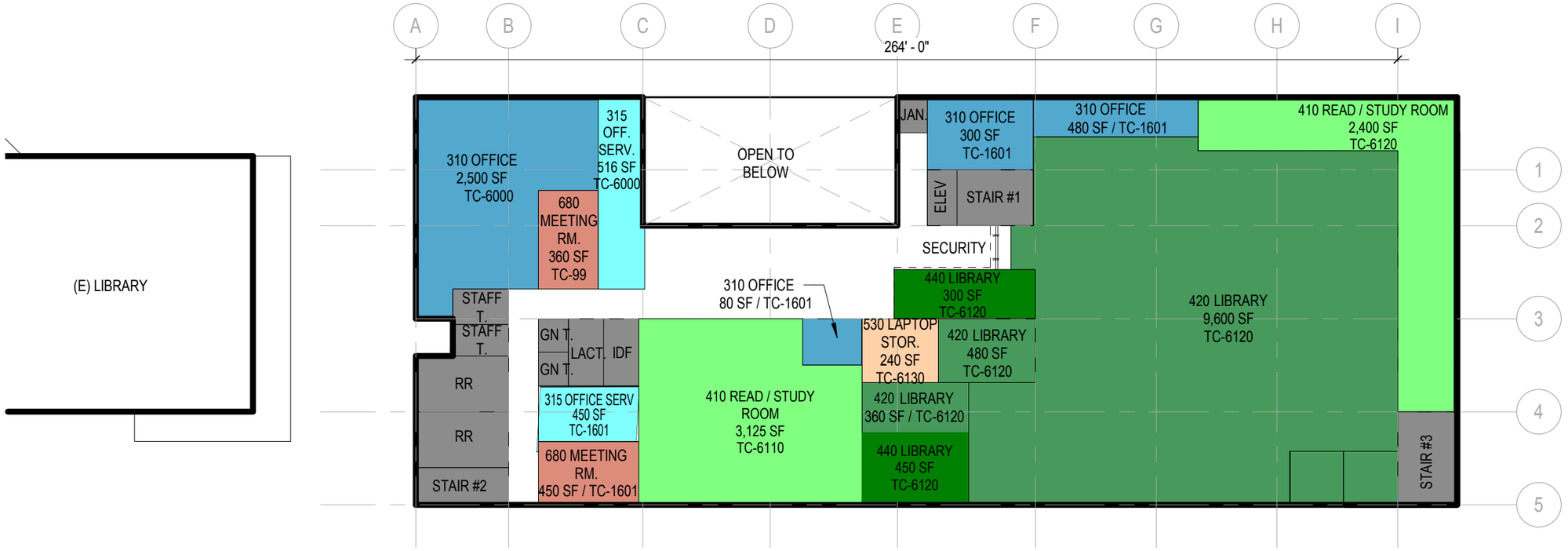

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1 LEVEL 03

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Issue Date: 05/17/2020

Level 03 Plan - LIBRARY, ADMIN