



**BOARD OF TRUSTEES  
REGULAR BOARD MEETING**

**Board of Trustees**  
Joyce Dalessandro  
Beth Hergesheimer  
Amy Herman  
Maureen "Mo" Muir  
John Salazar

**Superintendent**  
Rick Schmitt

**Union High School District**

**THURSDAY, FEBRUARY 5, 2015  
6:30 PM**

**DISTRICT OFFICE BOARD ROOM 101  
710 ENCINITAS BLVD, ENCINITAS, CA. 92024**

*Welcome to the meeting of the San Dieguito Union High School District Board of Trustees.*

**PUBLIC COMMENTS**

If you wish to speak regarding an item on the agenda, please complete a speaker slip located at the sign-in desk and present it to the Secretary to the Board prior to the start of the meeting. When the Board President invites you to the podium, please state your name before making your presentation.

Persons wishing to address the Board on any school-related issue not elsewhere on the agenda are invited to do so under the "Public Comments" item. If you wish to speak under Public Comments, please follow the same directions (above) for speaking to agenda items.

In the interest of time and order, presentations from the public are limited to three (3) minutes per person, per topic. The total time for agenda and non-agenda items shall not exceed twenty (20) minutes. An individual speaker's allotted time may not be increased by a donation of time from others in attendance.

In accordance with the Brown Act, unless an item has been placed on the published agenda, there shall be no action taken. The Board may 1) acknowledge receipt of the information, 2) refer to staff for further study, or 3) refer the matter to the next agenda.

**PUBLIC INSPECTION OF DOCUMENTS**

In compliance with Government Code 54957.5, agenda-related documents that have been distributed to the Board less than 72 hours prior to the Board Meeting will be available for review on the district website, [www.sduhsd.net](http://www.sduhsd.net) and/or at the district office. Please contact the [Office of the Superintendent](#) for more information.

**CONSENT CALENDAR**

All matters listed under Consent are those on which the Board has previously deliberated or which can be classified as routine items of business. An administrative recommendation on each item is contained in the agenda supplements. There will be no separate discussion of these items prior to the time the Board of Trustees votes on the motion unless members of the Board, staff, or public request specific items to be discussed or pulled from the Consent items. To address an item on the consent calendar, please follow the procedure described under *Comments on Agenda Items*.

**CLOSED SESSION**

The Board will meet in Closed Session to consider qualified matters of litigation, employee negotiations, student discipline, employee grievances, personnel qualifications, or real estate negotiations which are timely.

**CELL PHONES / ELECTRONIC DEVICES**

As a courtesy to all meeting attendees, please set cell phones and electronic devices to silent mode and engage in conversations outside the meeting room.

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In compliance with the Americans with Disabilities Act, if you need special assistance, disability-related modifications, or accommodations, including auxiliary aids or services, in order to participate in the public meetings of the District's Governing Board, please contact the [Office of the Superintendent](#). Notification 72 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accommodation and accessibility to this meeting. Upon request, the District shall also make available this agenda and all other public records associated with the meeting in appropriate alternative formats for persons with a disability.

**SAN DIEGUITO UNION HIGH SCHOOL DISTRICT  
BOARD OF TRUSTEES  
REGULAR BOARD MEETING**

**AGENDA**

**THURSDAY, FEBRUARY 5, 2015  
6:30 PM**

**DISTRICT OFFICE BOARD ROOM 101  
710 ENCINITAS BLVD., ENCINITAS, CA. 92024**

**PRELIMINARY FUNCTIONS ..... (ITEMS 1 – 6)**

- 1. CALL TO ORDER, PUBLIC COMMENTS REGARDING CLOSED SESSION ITEMS ..... 6:00 PM
- 2. **CLOSED SESSION** ..... **6:01 PM**
  - A. To consider personnel issues, pursuant to Government Code Sections 11126 and 54957; limited to consideration of the appointment, employment, evaluation of performance, discipline /release, dismissal of a public employee or to hear *complaints or charges brought against such employee by another person or employee unless the employee requests a public session.* (3 Issues)
  - B. To conference with Labor Negotiators, pursuant to Government Code Section 54957.8.  
Agency Negotiators: Superintendent and Associate Superintendents (3)  
Employee Organizations: San Dieguito Faculty Association / California School Employees Association

**REGULAR MEETING / OPEN SESSION ..... **6:30 PM****

- 3. RECONVENE REGULAR BOARD MEETING / CALL TO ORDER ..... BOARD PRESIDENT  
\*WELCOME / MEETING PROTOCOL REMARKS
- 4. PLEDGE OF ALLEGIANCE
- 5. REPORT OF CLOSED SESSION
- 6. APPROVAL OF MINUTES OF THE REGULAR BOARD MEETING OF JANUARY 15, 2015  
Motion by \_\_\_\_\_, second by \_\_\_\_\_, to approve the Minutes of the January 15, 2015 board meeting, as shown in the attached supplement.

**NON-ACTION ITEMS ..... (ITEMS 7 - 10)**

- 7. STUDENT INTRODUCTIONS / UPDATES
  - A. OATH OF OFFICE ..... RICK SCHMITT, SUPERINTENDENT  
Courtney Walsh, SDHSA & Ali Berger, SS/NCA
  - B. STUDENT UPDATES ..... STUDENT BOARD REPRESENTATIVES
- 8. BOARD REPORTS AND UPDATE ..... BOARD OF TRUSTEES
- 9. SUPERINTENDENT’S REPORTS, BRIEFINGS, & LEGISLATIVE UPDATES ... RICK SCHMITT, SUPERINTENDENT
- 10. SCHOOL UPDATE, SAN DIEGUITO HIGH SCHOOL ACADEMY ..... TIM HORNIG, PRINCIPAL

**CONSENT AGENDA ITEMS ..... (ITEMS 11 - 15)**

Upon invitation by the President, anyone who wishes to discuss a Consent Item should come forward to the lectern; state his/her name, and the Consent Item number.

- 11. SUPERINTENDENT**
  - A. GIFTS AND DONATIONS  
(None Submitted)

B. FIELD TRIP REQUESTS

Accept the field trips, as shown in the attached supplements.

**12. HUMAN RESOURCES**

A. PERSONNEL REPORTS

Approve matters pertaining to employment of personnel, salaries, leaves of absence, resignations, changes in assignments, extra duty assignments, and consultant services:

1. Certificated and/or Classified Personnel Reports, as shown in the attached supplements.

**13. EDUCATIONAL SERVICES**

A. APPROVAL/RATIFICATION OF AGREEMENTS

Approve/ratify entering into the following agreements and authorize Christina M. Bennett or Eric R. Dill to execute the agreements:

1. The Regents of the University of California (UCSD), to provide California Healthy Kids Survey (CHKS) support services, during the period February 6, 2015 until project completion, for an estimated amount not to exceed \$37,180.00, to be expended from the General Fund 01-00.

**14. PUPIL SERVICES / SPECIAL EDUCATION**

**SPECIAL EDUCATION**

A. APPROVAL/RATIFICATION OF NON-PUBLIC SCHOOL / NON-PUBLIC AGENCY CONTRACTS, INDEPENDENT CONTRACTOR AGREEMENTS, AND/OR MEMORANDUMS OF UNDERSTANDING

Approve entering into the following non-public school / non-public agency master contracts (NPS/NPAs), independent contractor agreements (ICAs), and or memorandums of understanding (MOUs), and authorize Christina M. Bennett or Eric R. Dill to execute all pertinent documents.

1. Nancy E. Markel, Ph.D. (ICA), to provide neuropsychological assessments and IEP support in an educational setting, during the period July 1, 2014 through June 30, 2015, at the rate of \$225.00 per hour, to be expended from the General Fund/Restricted 01-00.

B. APPROVAL/RATIFICATION OF AMENDMENT TO AGREEMENTS

Approve/ratify amending the following agreements and authorize Christina M. Bennett or Eric R. Dill to execute the agreements:

1. Fred Finch Youth Center (NPS), adding a provision for a one on one instructional aide, during the period September 2, 2014 through June 30, 2015, at the rate of \$19.65 per hour, to be expended from the General Fund/Restricted 01-00.

C. APPROVAL/RATIFICATION OF PARENT SETTLEMENT AND RELEASE AGREEMENTS

Approve/ratify the following Parent Settlement and Release Agreements, to be funded by the General Fund 01-00/Special Education, and authorize the Director of Special Education to execute the agreements:

1. Student ID #8216678867 for educationally related vision therapy (VT) sessions and attorney fees reimbursement, for the period up to January 13, 2015, in the amount of \$10,800.00.
2. Student ID #4450247054 for educationally related tuition, services and attorney fees reimbursement, for the period up to June 30, 2015, in the amount of \$46,960.00.

**PUPIL SERVICES**

D. APPROVAL/RATIFICATION OF AGREEMENTS

Approve/ratify entering into the following agreements and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the agreements:

1. ESI, International, Inc., to provide private investigator services for residency checks, during the period February 6, 2015 through June 30, 2015, in an amount not to exceed \$2,000.00, to be expended from the General Fund 01-00.

**15. BUSINESS / PROPOSITION AA**

**BUSINESS**

A. APPROVAL/RATIFICATION OF AGREEMENTS

Approve/ratify entering into the following agreements and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the agreements:

1. MSDSpro, LLC operating as SDSpro, to provide software maintenance support for Web Inventory Manager, during the period February 11, 2015 through February 10, 2016, for an amount not to exceed \$1,710.00, to be expended from the General Fund 01-00.
2. San Diego Fire-Rescue Department, to provide automatic external defibrillators (AED) program maintenance, during the period January 20, 2015 through January 19, 2017, for annual fees in the amounts of \$50.00 for the reinstatement fee, \$25.00 for each AED up to the first ten and \$10.00 for each additional AED after ten, to be expended from the General Fund 01-00.

B. APPROVAL/RATIFICATION OF AMENDMENT TO AGREEMENTS

(None Submitted)

C. AWARD/RATIFICATION OF CONTRACTS

(None Submitted)

D. APPROVAL OF CHANGE ORDERS

(None Submitted)

E. ACCEPTANCE OF CONSTRUCTION PROJECTS

(None Submitted)

F. APPROVAL OF BUSINESS REPORTS

Approve the following business reports:

1. Purchase Orders
2. Membership Listing (None Submitted)

**PROPOSITION AA**

G. APPROVAL/RATIFICATION OF AGREEMENTS

Approve/ratify entering into the following agreements and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the agreements:

1. MA Engineers, to provide commissioning services in accordance with Title 24 at San Dieguito High School Academy, during the period February 6, 2015 through completion, on a fixed fee in an amount not to exceed \$28,000.00, to be expended from Building Fund-Prop 39 Fund 21-39.

2. Oceanside Unified School District, to provide temporary rental of tennis courts for San Dieguito High School Academy due to Prop AA construction, during the period March 1, 2015 through June 1, 2015, on a time and material basis in an amount not to exceed \$7,000.00, to be expended from Building Fund–Prop 39 Fund 21-39.
3. ModSpace, to deliver, install and remove two temporary office buildings at La Costa Canyon High School for temporary Transportation Services offices, during the period February 9, 2015 through February 8, 2017, on a fixed fee in an amount not to exceed \$14,374.80, to be expended from Capital Facilities Fund 25-19.
4. United Site Services, to deliver, install and remove two portable restroom trailers and one free standing sink, with bi-weekly services at La Costa Canyon High School for temporary Transportation Services offices, during the period February 9, 2015 through February 8, 2017, on a fixed fee in an amount not to exceed \$20,435.98, to be expended from Capital Facilities Fund 25-19.
5. Byrom-Davey Inc., to establish a Final Guaranteed Maximum Price (GMP) to Lease Lease/Back Agreement at La Costa Valley Site for the La Costa Valley Site and Athletic Field Improvements Project, during the period February 6, 2015 through completion, Final GMP in an amount of \$9,258,460.00, to be expended from Building Fund–Prop 39 Fund 21-39.

#### H. APPROVAL/RATIFICATION OF AMENDMENT TO AGREEMENTS

Approve/ratify amending the following agreements and authorize Christina M. Bennett or Eric R. Dill to execute the agreements:

1. Twining, Inc., amend contract CB2013-31 to provide storm water pollution prevention services district wide, during the period February 6, 2015 through June 30, 2015, increasing the amount of the contract by \$100,000.00 for a new total of \$300,000.00, to be expended from Building Fund–Prop 39 Fund 21-39.
2. Southern California Soils amend contract CB2013-08 to provide specialty inspection services district wide, during the period May 17, 2014 through June 30, 2015, extending the term to June 30, 2016, increasing the amount of the contract by \$400,000.00 for a new total of \$750,000.00, to be expended from Building Fund–Prop 39 Fund 21-39.
3. Nova amend contract CB2013-08 to provide specialty inspection services district wide, during the period May 17, 2014 through June 30, 2015, extending the term to June 30, 2016, increasing the amount of the contract by \$300,000.00 for a new total of \$500,000.00, to be expended from Building Fund–Prop 39 Fund 21-39.
4. Ninyo & Moore amend contract CB2013-08 to provide specialty inspection services district wide, during the period May 17, 2014 through June 30, 2015, extending the term to June 30, 2016, increasing the amount of the contract by \$150,000.00 for a new total of \$500,000.00, to be expended from Building Fund–Prop 39 Fund 21-39.

#### I. ADOPTION OF RESOLUTION / LEASE-LEASEBACK

Adopt the following resolutions, and authorize Christina M. Bennett or Eric R. Dill to execute the necessary documents:

1. Resolution approving and authorizing execution of Site Lease, Sublease Agreement, and Construction Services Agreement for the Lease-Leaseback Agreement with Erickson Hall Construction Company for the construction of the Torrey Pines High School Phase 2 to be expended from Building Fund-Prop 39 Fund 21-39, as shown in the attached supplement.
2. Resolution approving and authorizing execution of Site Lease, Sublease Agreement, and Construction Services Agreement for the Lease-Leaseback Agreement with Byrom-Davey Inc., for the La Costa Valley Site and Athletic Field Improvements to be expended from Building Fund-Prop 39 Fund 21-39, as shown in the attached supplement.

#### J. AWARD/RATIFICATION OF CONTRACTS

(None Submitted)

K. APPROVAL OF CHANGE ORDERS  
(None Submitted)

L. ACCEPTANCE OF CONSTRUCTION PROJECTS  
(None Submitted)

**ROLL CALL VOTE FOR CONSENT AGENDA..... (ITEMS 11 - 15)**

- Motion by \_\_\_\_\_, second by \_\_\_\_\_, to approve Consent Agenda Items 11-15, as shown in the attached supplements.

• Roll Call:

Joyce Dalessandro  
Beth Hergesheimer  
Amy Herman  
Maureen "Mo" Muir  
John Salazar

Courtney Walsh, San Dieguito High School Academy  
Melanie Farfel, Canyon Crest Academy  
Renee Haerle, La Costa Canyon High School  
Erica Lewis, Torrey Pines High School  
Ali Berger, Sunset / North Coast High Schools

**DISCUSSION / ACTION ITEMS..... (ITEMS 16 - 20)**

16. ADOPTION OF NEW/REVISED/DELETED BOARD POLICIES AND/OR ADMINISTRATIVE REGULATIONS / EDUCATIONAL SERVICES

Motion by \_\_\_\_\_, second by \_\_\_\_\_, to adopt the new/revised/deleted board policies and/or administrative regulations, as shown in the attached supplements:

- A. BP 0460 AND AR-1, *LOCAL CONTROL AND ACCOUNTABILITY PLAN (NEW)*
- B. BP 6142.2 AND AR-1, *"WORLD – FOREIGN LANGUAGE INSTRUCTION" (NEW)*
- C. BP 6142.3, *"CIVIC EDUCATION" (NEW)*
- D. BP 6142.5/AR-1, *"ENVIRONMENTAL AWARENESS" (DELETE)*
- E. BP 6142.6, *"VISUAL AND PERFORMING ARTS EDUCATION" (NEW)*
- F. BP 6142.7, *"PHYSICAL EDUCATION AND ACTIVITY" (NEW)*
- G. BP 6142.8, *"COMPREHENSIVE HEALTH EDUCATION" (NEW)*
- H. BP 6142.91, *"READING / LANGUAGE ARTS INSTRUCTION" (NEW)*
- I. BP 6142.92, *"MATHEMATICS INSTRUCTION" (NEW)*
- J. BP 6142.93, *"SCIENCE INSTRUCTION" (NEW)*
- K. BP 6142.94, *"HISTORY-SOCIAL SCIENCE INSTRUCTION" (NEW)*
- L. BP 6146.1 AND AR-1, *"HIGH SCHOOL GRADUATION REQUIREMENTS" (REVISED)*; BP 6200.1 AND AR-1, *"HIGH SCHOOL GRADUATION REQUIREMENTS" (DELETE)*

17. ADOPTION/APPROVAL OF RESCINDMENT OF BOARD POLICIES 4216.3-02.1 THROUGH 4216.3-91.1 (CLASSIFIED JOB DESCRIPTIONS) AND DESIGNATE THE PERSONNEL COMMISSION AS THE CUSTODIAN OF RECORD

Motion by \_\_\_\_\_, second by \_\_\_\_\_, to adopt/approve the rescindment of board policies #4216.3-02.1 through #4216.3-91.1 (classified job descriptions) from board policy and designate the Personnel Commission as the custodian of record for such documents.

18. APPROVAL OF AGREEMENTS FOR INVESTMENT BANKING/UNDERWRITER SERVICES FOR DISTRICT GENERAL OBLIGATION BOND SERIES B

Motion by \_\_\_\_\_, second by \_\_\_\_\_, to approve entering into the following agreements and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the agreements:

- A. Stifel, Nicolaus & Company, Inc., to provide investment banking/bond underwriting services for District General Obligation Bond Series B, during the period February 6, 2015 through completion, subject to a negotiated underwriting discount prior to bond issue not to exceed 0.2% of the bond issue, to be expended from future bond issue.
- B. J.P. Morgan Securities LLC, to provide bond underwriting services for District General Obligation Bond Series B, during the period February 6, 2015 through completion, subject to a negotiated underwriting discount prior to bond issue not to exceed 0.2% of the bond issue, to be expended from future bond issue.

19. ADOPTION OF RESOLUTION / FINAL MITIGATED NEGATIVE DECLARATION / LA COSTA VALLEY SITE

- PUBLIC HEARING
  - Open Hearing
  - Call for Public Comment
  - Close Hearing
- Motion by \_\_\_\_\_, second by \_\_\_\_\_, to adopt the attached resolution adopting the Final Mitigated Negative Declaration for the La Costa Valley Site, for which an Initial Study was Prepared, All in Accordance with the California Environmental Quality Act, as amended, and Adopting a Related Mitigation Monitoring and Reporting Program, and making findings and certification thereto.
- Roll Call

20. PUBLIC HEARING / PRELIMINARY ENDANGERMENT ASSESSMENT (PEA) FOR LA COSTA VALLEY SITE

- PUBLIC HEARING
  - Open Hearing
  - Call for Public Comment
  - Close Hearing

**INFORMATION ITEMS..... (ITEMS 21 - 30)**

21. TEACHER CHANGE REQUEST..... MICHAEL GROVE, ED.D.

This item is being submitted as information only.

22. LABOR COMPLIANCE PROGRAM ANNUAL REPORT 2014, REPORTING PERIOD, JULY 1, 2013 THROUGH JUNE 30, 2014

This item is being submitted as information only.

23. BUSINESS SERVICES UPDATE..... ERIC DILL, ASSOCIATE SUPERINTENDENT

24. HUMAN RESOURCES UPDATE ..... TORRIE NORTON, ASSOCIATE SUPERINTENDENT

25. EDUCATIONAL SERVICES UPDATE..... MIKE GROVE, ED.D, ASSOCIATE SUPERINTENDENT

26. PUBLIC COMMENTS

In accordance with the Brown Act, unless an item has been placed on the published agenda, there shall be no action taken. The Board may 1) acknowledge receipt of the information, 2) refer to staff for further study, or 3) refer the matter to the next agenda. (See Board Agenda Cover Sheet)

27. FUTURE AGENDA ITEMS

28. **ADJOURNMENT TO CLOSED SESSION** (AS NECESSARY)

- A. To consider personnel issues, pursuant to Government Code Sections 11126 and 54957; limited to consideration of the appointment, employment, evaluation of performance, discipline /release, dismissal of a public employee or to hear *complaints or charges brought against such employee by another person or employee unless the employee requests a public session.* (3 Issues)

B. To conference with Labor Negotiators, pursuant to Government Code Section 54957.8.

Agency Negotiators: Superintendent and Associate Superintendents (3)

Employee Organizations: San Dieguito Faculty Association / California School Employees Association

29. REPORT FROM CLOSED SESSION (AS NECESSARY)

30. ADJOURNMENT

*The next regularly scheduled Board Meeting will be held on [Thursday, February 19, 2015, at 6:30 PM](#) in the SDUHSD District Office Board Room 101. The District Office is located at 710 Encinitas Blvd., Encinitas, CA, 92024.*





**MINUTES  
OF THE  
SAN DIEGUITO UNION HIGH SCHOOL DISTRICT  
BOARD OF TRUSTEES  
REGULAR BOARD MEETING**

Board of Trustees  
Joyce Dalessandro  
Beth Hergesheimer  
Amy Herman  
Maureen "Mo" Muir  
John Salazar  
  
Superintendent  
Rick Schmitt

**JANUARY 15, 2015**

**THURSDAY, JANUARY 15, 2015  
6:30 PM**

**DISTRICT OFFICE BOARD ROOM 101  
710 ENCINITAS BLVD., ENCINITAS, CA. 92024**

**PRELIMINARY FUNCTIONS..... (ITEMS 1 – 6)**

- 1. CALL TO ORDER..... 6:00 PM  
President Hergesheimer called the meeting to order at 6:00 PM.
- 2. OATH OF OFFICE  
Superintendent Schmitt administered the Oath of Office to board member Amy Herman.
- 3. PUBLIC COMMENTS REGARDING CLOSED SESSION  
No public comments were presented.
- 4. CLOSED SESSION ..... 6:01 PM  
The Board convened to Closed Session at 6:01 PM to discuss the following:
  - A. To consider and/or deliberate on student discipline matters. (1 case)
  - B. To consider personnel issues, pursuant to Government Code Sections 11126 and 54957; limited to consideration of the appointment, employment, evaluation of performance, discipline/ release, dismissal of a public employee or to hear complaints or charges brought against such employee by another person or employee unless the employee requests a public session. (2 Issues)
  - C. To conference with Labor Negotiators, pursuant to Government Code Section 54957.8.  
Agency Negotiators: Superintendent and Associate Superintendents (3)  
Employee Organizations: San Dieguito Faculty Association / California School Employees Association
  - D. To conference with legal counsel to discuss potential litigation, pursuant to Government Codes sections 54956.9(b)(1) and (b)(2), and 54956.9(b)(3)(C). (1 claim)

**REGULAR MEETING / OPEN SESSION..... 6:30 PM**

ATTENDANCE

BOARD OF TRUSTEES AND STUDENT BOARD REPRESENTATIVES

Joyce Dalessandro	Jaycelin Bert, San Dieguito High School Academy
Beth Hergesheimer	Melanie Farfel, Canyon Crest Academy
Amy Herman	Renee Haerle, La Costa Canyon High School
Maureen "Mo" Muir	Erica Lewis, Torrey Pines High School
John Salazar	Hana Rivera Garza, Sunset Continuation/North Coast Alt. High Schools

DISTRICT ADMINISTRATORS / STAFF

Rick Schmitt, Superintendent  
 Eric Dill, Associate Superintendent, Business  
 Mike Grove, Ed.D., Associate Superintendent, Educational Services  
 Torrie Norton, Associate Superintendent, Human Resources  
 Manuel Zapata, Director, CTE, EL and Community Programs

Corrie Amador, Director, Classified Personnel  
John Addleman, Director, Planning Services  
Joann Schultz, Executive Assistant to the Superintendent / Recording Secretary

- 5. RECONVENE REGULAR MEETING / CALL TO ORDER .....(ITEM 5)
  - A. The regular meeting of the Board of Trustees was called to order at 6:31 PM by President Beth Hergesheimer.
  - B. PLEDGE OF ALLEGIANCE  
President Hergesheimer led the Pledge of Allegiance.
  - C. REPORT OUT OF CLOSED SESSION  
The Board met in Closed Session and no action was taken.  
The Board took the following action in Open Session:
    - Student Discipline (1 case) (Item 4A):  
Motion by Ms. Herman, seconded by Ms. Muir, to approve staff recommendation to suspend Student ID #1203453, beginning January 16, 2015 for one semester. Ayes: Dalessandro, Hergesheimer, Herman, Muir, Salazar; Noes: None. *Motion unanimously carried.*

- 6. APPROVAL OF MINUTES / REGULAR BOARD MEETING DECEMBER 11, 2014  
It was moved by Ms. Dalessandro, seconded by Mr. Salazar, to approve the minutes of the December 11, 2014 Regular Board Meeting, as presented. Ayes: Dalessandro, Hergesheimer, Herman, Muir, Salazar; Noes: None. *Motion unanimously carried.*

- 7. APPOINTMENT OF BOARD REPRESENTATIVES TO COMMITTEES, 2015  
Motion by Ms. Dalessandro, second by Ms. Herman, to appoint Board Representatives to the following committees for 2015, as follows:
 

Career Technical Education (2)	Amy Herman / John Salazar
Encinitas City/School District Liaison (2)	Joyce Dalessandro / Beth Hergesheimer
Legislative Action Network, Local/Regional (2)	Beth Hergesheimer / Amy Herman
North Coastal Consortium for Special Education (1)	Maureen "Mo" Muir
San Diego City Council/School District Liaison (2)	None appointed.
Solana Beach City/School District Liaison (2)	Joyce Dalessandro / Amy Herman

 Ayes: Dalessandro, Hergesheimer, Herman, Muir, Salazar; Noes: None. *Motion unanimously carried.*

**NON-ACTION ITEMS .....(ITEMS 8 - 10)**

- 8. BOARD REPORTS AND UPDATES .....STUDENT BOARD / BOARD OF TRUSTEES
  - A. STUDENT UPDATES  
Superintendent Schmitt thanked Jaycelin Bert and Hana Rivera for their participation as student board representatives and presented them with a Certificate of Appreciation.  
Students gave updates on events and highlights at their schools. Jaycelin Bert introduced Courtney Walsh and Hana Rivera introduced Alicia (Ali) Berger, as new student representatives, who will both begin at the next board meeting on February 5, 2014.
  - B. BOARD OF TRUSTEES  
Ms. Muir attended High School Information Nights at Canyon Crest Academy, La Costa Canyon High School, San Dieguito High School Academy and Torrey Pines High School.  
Ms. Dalessandro attended a meeting with district staff and the City of Encinitas Mayor and staff regarding short- and long-term construction projects within the City, and along with Ms. Herman, attended the Pacific Trails Middle School (PTMS) planning meeting.

**ITEM 6**

Ms. Herman attended the PTMS planning meeting, the Canyon Crest Academy Legacy Wall Dedication & Reception, and the Solana Beach City/School District Liaison meeting.

Mr. Salazar had nothing to report.

Ms. Hergesheimer attended the District Office Holiday Luncheon, participated in the California School Boards Association webinar, toured Carmel Valley Middle School, attended the Encinitas Community Park Ribbon Cutting Ceremony, and toured the Torrey Pines High School campus.

- 9. SUPERINTENDENT’S REPORTS, BRIEFINGS, LEGISLATIVE UPDATES.....RICK SCHMITT, SUPERINTENDENT  
Superintendent Schmitt gave an update on the 2015-16 planning including: parent tours, school information nights, Prop AA construction, temporary facilities setup, the opening of PTMS, 2015-16 budget, special education family’s transition, families transitioning from elementary to MS and from MS to HS, and school enrollment choices. Also, three special board workshops are scheduled for Budget, Facilities and Prop AA. In addition to those special meetings, future board meeting information items will be scheduled for the following topics: Middle School and High School Enrollment, Counseling and College Prep & Testing, and a CCSS update. The first Legislative Action Network meeting is scheduled next week with state elected officials and their representatives, school board members, and staff to discuss Common Core, Cal 200, and ROP and CTE programs.
- 10. UPDATE / COMMUNITY EDUCATION & CAREER TECHNICAL EDUCATION ..... MANUEL ZAPATA, DIRECTOR  
Mr. Zapata gave an update on Community Education including the Winter/Spring schedule of classes, revenue projections, and the collaboration with MiraCosta College on AB 86 to develop a regional plan to better the serve the adults of our community. School district officials from San Dieguito UHSD, MiraCosta College, Oceanside Unified and Carlsbad Unified formed a consortium (Coastal North County Adult Education Consortia) to develop the plan to submit for a grant from the California Department of Education. Mr. Zapata gave an update on Career Technical Education including applying for two Career Pathways grants. He also reported on ROP including the 2015-16 funding being reduced by \$600,000 due to the County Office of Education not passing through the ROP funding from the State. Mr. Zapata thanked his staff for their hard work and support.

**CONSENT ITEMS.....(ITEMS 11 - 15)**

It was moved by Ms. Dalessandro, seconded by Ms. Herman, that Consent Agenda Items #11-15, be approved, as amended (*revised Items: 11B, Field Trips, and 12A, Personnel Report, as attached*). Ayes: Dalessandro, Hergesheimer, Herman, Muir, Salazar; Noes: None. *Motion unanimously carried.*

**11. SUPERINTENDENT**

A. GIFTS AND DONATIONS

Accept the gifts and donations, as presented.

B. FIELD TRIP REQUESTS

Approve the Field Trip Requests, as presented.

**12. HUMAN RESOURCES**

A. PERSONNEL REPORTS

Approve matters pertaining to employment of personnel, salaries, leaves of absence, resignations, changes in assignments, extra duty assignments, and consultant services:

- 1. Certificated and/or Classified Personnel Reports.

**13. EDUCATIONAL SERVICES**

A. APPROVAL/RATIFICATION OF AGREEMENTS

Approve/ratify entering into the following agreement and authorize Christina M. Bennett or Eric R. Dill to execute the agreement:

**ITEM 6**

1. Document Tracking Services, LLC (DTS), to provide a license to use DTS's proprietary web-based application, during the period January 1, 2015 through December 31, 2015, for an amount not to exceed \$2,495.00, to be expended from the General Fund/Restricted 06-00.
2. Project Lead The Way, Inc. (PLTW), to provide science, technology, engineering, and mathematics (STEM) programs and curricula, during the period January 16, 2015 through June 30, 2015 and then renewing for annual one year contracts until terminated in writing, for annual participation fees ranging from \$750.00 to \$3,000.00 per year depending on the program, to be expended from the fund to which the project is charged.

**14. PUPIL SERVICES / SPECIAL EDUCATION**

**SPECIAL EDUCATION**

**A. APPROVAL/RATIFICATION OF NON-PUBLIC SCHOOL / NON-PUBLIC AGENCY CONTRACTS, INDEPENDENT CONTRACTOR AGREEMENTS, AND/OR MEMORANDUMS OF UNDERSTANDING**

Approve/ratify entering into the following non-public school / non-public agency master contracts (NPS/NPAs), independent contractor agreements (ICAs), and or memorandums of understanding (MOUs), and authorize Christina M. Bennett or Eric R. Dill to execute all pertinent documents:

1. Jodie K. Schuller & Associates (NPA), to provide speech and language services and IEP support in an educational setting, during the period July 1, 2014 through June 30, 2015, in the amount of \$170.00 per hour, to be expended from the General Fund/Restricted 06-00.

**B. APPROVAL/RATIFICATION OF AMENDMENT TO AGREEMENTS**

(None Submitted)

**C. APPROVAL/RATIFICATION OF PARENT SETTLEMENT AND RELEASE AGREEMENTS**

Approve/ratify the following Parent Settlement and Release Agreements, to be funded by the General Fund 06-00/Special Education, and authorize the Director of Special Education to execute the agreements:

1. Student ID #6139740104, for reimbursement of educational services and attorney fees, for the period up to December 11, 2014, in an amount not to exceed \$6,000.00.
2. Student ID #9049812041, to provide instructional aide support during the school day, for the 2015-16 school year, at no additional cost to the district.
3. Student ID #7161783636, for reimbursement of educational services, tuition, and attorney fees, for the period up to December 16, 2014, in an amount not to exceed \$14,000.00.
4. Student ID #3036418547, for reimbursement of up to 8 classes per year at Fusion Academy, for the 2014-15 and 2015-16 school years, in an amount not to exceed \$76,160.00.

**PUPIL SERVICES**

**D. APPROVAL/RATIFICATION OF AGREEMENTS**

(None Submitted)

**15. BUSINESS / PROPOSITION AA**

**BUSINESS**

**A. APPROVAL/RATIFICATION OF AGREEMENTS**

(None Submitted)

**B. APPROVAL/RATIFICATION OF AMENDMENT TO AGREEMENTS**

Approve/ratify amending the following agreements and authorize Christina M. Bennett or Eric R. Dill to execute the agreements:

1. Advanced Chemical Transport, Inc. (ACT), increasing the annual not to exceed amount for the HAZMAT removal and transportation agreement to \$25,000.00 per year with no other changes to the contract terms and conditions, to be expended from the fund to which a project may be charged.

C. AWARD/RATIFICATION OF CONTRACTS  
(None Submitted)

D. APPROVAL OF CHANGE ORDERS  
(None Submitted)

E. ACCEPTANCE OF CONSTRUCTION PROJECTS  
(None Submitted)

F. APPROVAL OF BUSINESS REPORTS  
Approve the following business reports:

1. Purchase Orders
2. Membership Listing (None Submitted)

**PROPOSITION AA**

G. APPROVAL/RATIFICATION OF AGREEMENTS

Approve/ratify entering into the following agreements and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the agreements:

1. City of Carlsbad, to provide grading and erosion control security for issuance of grading permit for the La Costa Valley School site, during the period January 16, 2015 through completion, on a fixed fee in an amount not to exceed \$700,000.00, to be expended from Building Fund—Prop 39 Fund 21-39.
2. South Coast Surety Insurance Services, Inc. to provide grading and erosion control security bond for issuance of grading permit for the La Costa Valley School site, during the period January 16, 2015 through completion, on a fixed fee premium amount not to exceed \$12,600.00, to be expended from Building Fund—Prop 39 Fund 21-39.
3. City of Carlsbad, Hold Harmless Agreement Geological Failure in consideration of the City of Carlsbad's approval of a grading plan (DWG 481-7A) for the La Costa Valley School site, in perpetuity, at no cost to the district.
4. City of Carlsbad, Hold Harmless Agreement Drainage in consideration of the City of Carlsbad's approval of drainage plan (DWG 481-7A) for the La Costa Valley School site, in perpetuity unless said systems are accepted as public facilities, at no cost to the district.
5. City of Carlsbad, Permanent Storm Water Quality Best Management Practice Maintenance Agreement as a condition of approval of the La Costa Valley School site that secures the construction, inspection, operation and maintenance of on-site permanent BMP(s) by the District, its successors and assigns, including any property owners association, in perpetuity, at no cost to the district.
6. EDF Trading North America, LLC, to purchase renewable energy certificates from the District, during the period December 19, 2014 through completion, at the unit price of \$1.30 per renewable energy certificate for a total purchase price of \$11,986.00, at no cost to the district.
7. Karbone, Inc., to receive commission from the District for the sale of renewable energy certificates, during the period December 19, 2014 through completion, for a fee of 3.0% of purchase price for a total of \$359.58, to be expended from General Fund 03-00.
8. ModSpace, to deliver, install and remove temporary office building for Pacific Trails Middle School at Canyon Crest Academy, during the period January 16, 2015 through July 16, 2015, on a fixed fee in an amount not to exceed \$4,396.38, to be expended from Building Fund—Prop 39 Fund 21-39.

- 9. American Fence, to provide and install 504LF of temporary fence at Earl Warren Middle School, during the period December 31, 2014 through February 28, 2015, in the amount of \$3,528.00 to be expended from Building Fund-Prop 39 Fund 21-39.

H. APPROVAL/RATIFICATION OF AMENDMENT TO AGREEMENTS

Approve/ratify amending the following agreements and authorize Christina M. Bennett or Eric R. Dill to execute the agreements:

- 1. Westberg & White, Inc., amend contract B2013-15 to provide additional design services at Oak Crest Middle School for the processing of a coastal development permit application, during the period January 16, 2015 through completion, increasing the amount of the contract by \$19,250.00 for a new total of \$1,159,675.00, to be expended from Building Fund-Prop 39 Fund 21-39.
- 2. Westberg & White, Inc., amend contract B2013-15 to provide additional services at Oak Crest Middle School for a parking study, during the period January 16, 2015 through completion, increasing the amount of the contract by \$3,900.00 for a new total of \$1,163,575.00, to be expended from Building Fund-Prop 39 Fund 21-39.
- 3. D.A. Hogan & Associates, Inc., to provide additional supplemental permit support for use of reclaimed water at Canyon Crest Academy, during the period January 16, 2015 through completion, increasing the amount of the contract by \$5,000.00 for a new total of \$15,000.00, to be expended from Building Fund-Prop 39 Fund 21-39.

I. AWARD/RATIFICATION OF CONTRACTS

(None Submitted)

J. APPROVAL OF CHANGE ORDERS

Approve Change Order No. 1 to the following projects, and authorize Christina M. Bennett or Eric R. Dill to execute the change orders:

- 1. Diegueno Middle School Entry Enhancement Media Center CB2014-13 Bid Package #2, contract entered into with EC Constructors, Inc., decreasing the contract amount by \$21,924.00 for a new total of \$408,843.00, and extending the contract 153 days.

K. ACCEPTANCE OF CONSTRUCTION PROJECTS

Accept the following construction projects as complete, pending the completion of a punch list, and authorize the administration to file a Notice of Completion with the County Records' Office:

- 1. Diegueno Middle School Entry Enhancement Media Center CB2014-13 Bid Package #2, contract entered into with EC Constructors, Inc.

L. AUTHORIZATION TO REDUCE RETENTION / CANYON CREST ACADEMY ATHLETIC FIELD IMPROVEMENTS

Authorize the administration to reduce the retention being withheld from payments to Byrom Davey, Inc., for the Canyon Crest Academy Athletic Field Improvements, from 5% to 2.5%, as authorized under the terms and conditions of the contract, as presented.

**DISCUSSION / ACTION ITEMS ..... (ITEMS 16 - 18)**

16. ACCEPTANCE OF 2013-14 ANNUAL AUDIT

Motion by Ms. Dalessandro, seconded by Ms. Herman, to accept the 2013-14 annual audit of the San Dieguito Union High School District, as prepared by Wilkinson, Hadley, King, & Co. LLP, as presented. Ayes: Dalessandro, Hergesheimer, Herman, Muir, Salazar; Noes: None. *Motion unanimously carried.*

17. ADOPTION OF RESOLUTION/REPORT ON STATUTORY SCHOOL FEES FINDINGS 2013-2014

Motion by Ms. Herman, seconded by Mr. Salazar, to adopt the resolution regarding Statutory School Fees Report for fiscal year 2013/2014, and the findings in compliance with Government Code sections 66006 and 66001, as presented. Ayes: Dalessandro, Hergesheimer, Herman, Muir, Salazar; Noes: None. *Motion unanimously carried.*

18. ADOPTION OF RESOLUTION / FINAL MITIGATED NEGATIVE DECLARATION / EARL WARREN MIDDLE SCHOOL MASTER PLAN

- PUBLIC HEARING – President Hergesheimer opened the hearing at 7:15 PM. There being no comment, the hearing was closed at 7:16 PM.
- Motion by Ms. Dalessandro, seconded by Ms. Herman, to adopt the attached resolution adopting the Final Mitigated Negative Declaration for the Earl Warren Middle School Master Plan, for which an Initial Study was prepared, all in accordance with the California Environmental Quality Act, as amended, and adopting a related Mitigation Monitoring and Reporting Program, and making findings and certification thereto, as presented. Ayes: Dalessandro, Hergesheimer, Herman, Muir, Salazar; Noes: None. *Motion unanimously carried.*

**INFORMATION ITEMS.....(ITEMS 19 - 30)**

19. FINANCING OPTIONS FOR GENERAL OBLIGATION BONDS, ELECTION OF 2012, SERIES 2015 (PROP AA)

Mr. Dill gave an update on the Prop AA Project/Budget Report, Board policy #7214 revision considerations, and gave an overview of AB 182, *as attached*. Mr. Dill also reported on the savings generated by hiring district staff to administer the bond program vs. hiring a more expensive construction management company. Even if a construction management company had been hired in 2013 and managed the bond projects, SDUHSD would still need significant staff to oversee the consultant(s).

Mr. Adam Bauer, a Financial Advisor and Principal with Fieldman Rolapp, gave an update on the historical assessed valuation, a summary of SDUHSD's General Obligation Debt outstanding; the general obligation bonds, 2012 Election, Series 2015; and the pros and cons of negotiated vs. competitive sales of bonds, as presented.

Mr. Dill reviewed the summary of competitive vs negotiated bond sale, and the actions and timeline, *as attached*.

20. PROPOSED NEW & REVISED BOARD POLICIES AND/OR ADMINISTRATIVE REGULATIONS / EDUCATIONAL SERVICES

- A. BP 0460 AND AR-1, *LOCAL CONTROL AND ACCOUNTABILITY PLAN (NEW)*
- B. BP 6142.2 AND AR-1, *"WORLD – FOREIGN LANGUAGE INSTRUCTION" (NEW)*
- C. BP 6142.3, *"CIVIC EDUCATION" (NEW)*
- D. BP 6142.5/AR-1, *"ENVIRONMENTAL AWARENESS" (DELETE)*
- E. BP 6142.6, *"VISUAL AND PERFORMING ARTS EDUCATION" (NEW)*
- F. BP 6142.7, *"PHYSICAL EDUCATION AND ACTIVITY" (NEW)*
- G. BP 6142.8, *"COMPREHENSIVE HEALTH EDUCATION" (NEW)*
- H. BP 6142.91, *"READING / LANGUAGE ARTS INSTRUCTION" (NEW)*
- I. BP 6142.92, *"MATHEMATICS INSTRUCTION" (NEW)*
- J. BP 6142.93, *"SCIENCE INSTRUCTION" (NEW)*
- K. BP 6142.94, *"HISTORY-SOCIAL SCIENCE INSTRUCTION" (NEW)*
- L. BP 6146.1 AND AR-1, *"HIGH SCHOOL GRADUATION REQUIREMENTS" (REVISED)*, BP 6200.1 AND AR-1, *"HIGH SCHOOL GRADUATION REQUIREMENTS" (DELETE)*

This item was submitted for first read and will be resubmitted for action on February 5, 2015.

21. UNIFORM COMPLAINT REPORT, 2<sup>ND</sup> QUARTER (OCTOBER – DECEMBER 2014)

This item was submitted as information only, for the second quarter, October – December 2014, as presented.

22. PERSONNEL COMMISSION ANNUAL REPORT, 2013-2014

Ms. Corrie Amador gave a brief update on the Personnel Commission’s Annual Report for 2013-14, as presented.

23. BUSINESS SERVICES UPDATE ..... ERIC DILL, ASSOCIATE SUPERINTENDENT

Mr. Dill gave an update on the 2015-16 Governor’s Budget Proposal, the General Obligation Bond Independent Citizens’ Oversight Committee (ICOC) member terms and the process for selection of replacement(s).

24. HUMAN RESOURCES UPDATE .....TORRIE NORTON, ASSOCIATE SUPERINTENDENT

Ms. Norton had nothing to report.

25. EDUCATIONAL SERVICES UPDATE ..... MIKE GROVE, ASSOCIATE SUPERINTENDENT

Dr. Grove gave an update on the High School Enrollment Study Group’s third meeting, and middle school enrollment.

26. PUBLIC COMMENTS – None presented.

27. FUTURE AGENDA ITEMS – None presented.

28. ADJOURNMENT TO CLOSED SESSION – No closed session was necessary.

29. CLOSED SESSION – Nothing further to report.

30. ADJOURNMENT OF MEETING – The meeting adjourned at 8:27 PM.

\_\_\_\_\_  
John Salazar, Board Clerk

\_\_\_\_\_  
Date

\_\_\_\_\_  
Rick Schmitt, Superintendent

\_\_\_\_\_  
Date



## PERSONNEL LIST

### CERTIFICATED PERSONNEL

#### Employment

1. **Kaitlin Hildebrand**, 80% Temporary Teacher (mathematics) at Torrey Pines High School, for the remainder of the 2014-15 school year, effective 1/05/15 through 6/12/15.

#### Resignation

1. **Julie Limerick**, Teacher (visual arts) at Torrey Pines High School, resignation for retirement purposes, effective 6/12/15.
2. **Emily Longiaru**, Teacher (Spanish) at La Costa Canyon High School, resignation for retirement purposes, effective 6/12/15.

## PERSONNEL LIST

### CLASSIFIED PERSONNEL

#### Employment

1. **Ruiz Jr., Vicente**, Custodian Floater, SR33, 100% FTE, Facilities, effective 1/06/15
2. **Tirado, Eddie**, Custodian, SR32, 100% FTE, Facilities, effective 1/06/15

#### Change in Assignment

1. **Haragos, Shelley**, from Instructional Assistant-SpEd(NS), SR34, 48.75% FTE, Diegueno Middle School to 75.00% FTE, effective 12/08/2014
2. **Kinnare, Carolyn**, from Health Technician, SR35, 48.75% FTE, Earl Warren Middle School to Receptionist, SR 32, 100.00% FTE, La Costa Canyon High School, effective 12/04/14
3. **Marden, Jason**, from Custodian Floater, SR33, 100.00% FTE, Facilities to Grounds Maintenance Worker II, SR40, 100.00% FTE, Facilities, effective 12/22/14

#### Resignation

1. **Bhagwat, Loveena**, Secretary, SR36, 75.00% FTE, District Office-Education Services, effective 01/09/15
2. **Correa, Aurelia**, Custodian, SR32, 100.00% FTE, San Dieguito High School Academy, effective 12/04/14
3. **Herbias, Ruben**, Grounds Maintenance Worker II, SR39, 100.00% FTE, Facilities, resignation for the purpose of retirement, effective 12/30/14

sj  
1/15/15  
classbdagenda

**FIELD TRIP REQUESTS  
SDUHSD BOARD MEETING  
January 15, 2015 (Revised)**

**ITEM 6  
ITEM 11B, Revised  
01-15-15 Board Meeting**

Item #	Date	Sponsor, Last Name	First Name	School Team/Club	Total # Students	Total # Chaperones	Event Description / Name of Conference	City	State	Loss of Class Time	\$ Cost
1	04-15-15 - 04-18-15	Van Steenbergen	Suzi	LCC Journalism / Advanced Journalism	8	1	National Journalism Convention	Denver	CO	2 Days	LCC ASB, LCC Foundation / Parent Donations
2	<del>01-23-15 - 01-24-15</del>	Danssaert	John	CCA Science	5	2	Sandia Science Bowl	Livermore	CA	None	CCA Foundation / Parent Donations
3	01-23-15 - 01-24-15	Golden	Brad	TPHS Science	5	12	Sandia Science Bowl	Livermore	CA	None	TPHS Foundation / Parent Donations

# Project/Budget Report

□ First Bond Draw Budget and Commitments Summary – December, 16, 2014

Project Sites	Budget 01/09/14	Budget 12/16/14	Commitments 12/16/14	Delta 12/16/14
Pacific Trails MS	\$ 52,529,244.00	\$ 52,529,244.00	\$ 47,101,334.41	\$ 5,427,909.59
Carmel Valley MS	\$ 457,392.00	\$ 177,793.15	\$ 177,793.15	\$ -
Earl Warren MS	\$ 1,685,791.00	\$ 6,412,225.00	\$ 5,293,198.14	\$ 1,119,026.86
La Costa Valley Site	\$ 15,531,957.34	\$ 11,532,803.59	\$ 988,514.00	\$ 10,544,289.59
Diegueno MS	\$ 3,164,090.80	\$ 5,056,230.74	\$ 5,056,230.74	\$ -
Oak Crest MS	\$ 5,151,609.00	\$ 4,416,226.22	\$ 4,416,226.22	\$ -
Canyon Crest Academy	\$ 20,062,733.00	\$ 19,444,586.83	\$ 19,097,315.33	\$ 347,271.50
Torrey Pines HS	\$ 13,651,928.00	\$ 12,102,750.21	\$ 11,181,176.31	\$ 921,573.90
San Dieguito High School Academy	\$ 27,716,303.03	\$ 28,432,092.92	\$ 11,558,868.82	\$ 16,873,224.10
La Costa Canyon HS	\$ 13,402,972.59	\$ 7,417,330.06	\$ 7,417,330.06	\$ -
DW Tech Infrastructure	\$ 5,373,507.99	\$ 5,859,813.65	\$ 5,347,920.79	\$ 511,892.86
QSCB - 3 yr. option	\$ 2,294,071.36	\$ 2,294,071.36	\$ 1,536,076.48	\$ 757,994.88
Administration	\$ 2,792,632.00	\$ 2,389,544.43	\$ 2,197,519.33	\$ 192,025.10
<b>Subtotal Expense Budget</b>	<b>\$ 163,814,232.11</b>	<b>\$ 158,064,712.16</b>	<b>\$ 121,369,503.78</b>	<b>\$ 36,695,208.38</b>
<b>Project Funding</b>				
Prop AA Project Fund	\$ 157,935,639.78	\$ 157,935,639.78		
North City West Funding	\$ 4,835,697.00	\$ 4,835,697.00		
Estimated Interest Earnings - Yld .58%	\$ 1,167,964.65	\$ 1,167,964.65		
<b>Subtotal Funding Budget</b>	<b>\$ 163,939,301.43</b>	<b>\$ 163,939,301.43</b>		
<b>Excess/(Shortage of) Funding</b>	<b>\$ 125,069.32</b>	<b>\$ 5,874,589.27</b>		

# Board Policy Considerations

## □ Board Policy 7214

- Adopted on January 13, 2013 (after passage of Prop AA)
- Assembly Bill 182 in proposal form
- Policy mirrored proposed legislation
- Final legislation less restrictive on term of Current Interest Bonds
- Other requirements in final bill were not considered at adoption

# AB 182 Overview

AB 182 Overview	
Item	Provision
Districts Affected:	<ul style="list-style-type: none"><li>• All</li><li>• Includes prior voter-approved authorizations with unissued bonds</li></ul>
Current Interest Bonds	<ul style="list-style-type: none"><li>• 40 years under Govt Code</li><li>• Maximum interest rate 12% per annum</li><li>• Bonds with terms of 30 years or longer must have a useful life that exceeds the term of the bonds</li></ul>
Capital Appreciation Bonds	<ul style="list-style-type: none"><li>• 25 Years</li><li>• Must be callable within 10 years</li><li>• 4-to-1 maximum repayment ratio for any bond series containing CABs</li></ul>

# AB 182 Overview

- Up-Front Disclosure Requirements
  - Board approval at two consecutive meetings
  - Method and reason for sale
  - Financing team members
  - Estimated costs
  - Financial analysis of total costs
  - Acknowledge MSRB Rule G-17 (Role of Underwriters)
  - Actual cost information following sale

# District Staff Update and Discussion

## Competitive vs. Negotiated Bond Sale

- ❑ Staff discussed both options with the Board of Trustees at the December 11, 2014 regular meeting
- ❑ Based upon Board discussion, the District issued requests for proposals (RFP) from underwriters in preparation of a possible negotiated sale
- ❑ Underwriters informed that contract could be awarded to a single, multiple, or no underwriter depending on staff analysis and determination of preferred method of sale
- ❑ Proposals will be reviewed and a recommendation will be made to the Board of Trustees at the February 19, 2015 regular meeting



# Actions and Timeline

- ❑ February 5, 2015 – Board Meeting
  - Determine method of sale (negotiated or competitive)
  - Consider awarding contract(s) to underwriter(s)
- ❑ March 5, 2015 – Board Workshop
  - Disclosure on method of sale and financing team
  - Discuss size & structure of proposed bond series
  - Financial analysis of total costs
  - Review of projects to be funded within size of issuance
- ❑ March 19, 2015 – Board Meeting
  - Authorization to issue bonds
- ❑ April, 2015 – Sale of Bonds (date TBD)
- ❑ May 7, 2015 – Board Meeting
  - Final cost information presented to Board

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 16, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Michael Grove, Ed.D.  
Associate Superintendent of  
Educational Services

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** Approval / Ratification of Field Trip  
Requests

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### EXECUTIVE SUMMARY

The district administration is requesting approval / ratification of out-of-state, overnight, and / or out-of-county field trips, as shown on the attached reports.

### RECOMMENDATION:

It is recommended that the Board approve / ratify the field trips, as shown on the attached supplement.

### FUNDING SOURCE:

As listed on the attached supplement.

**FIELD TRIP REQUESTS**  
**SDUHSD BOARD MEETING**  
**February 5, 2015**

ITEM 11B

Item #	Date	Sponsor, Last Name	First Name	School Team/Club	Total # Students	Total # Chaperones	Event Description / Name of Conference	City	State	Loss of Class Time	\$ Cost
1	03-19-15 - 03-21-15	Kaye	Sarah	TPHS Dance	45	10	Dance Competition	Los Angeles	CA	1 Day	TPHS Foundation / Parent Donations
2	03-06-15 - 03-08-15	Berend Stimson	Jason George	SDHSD Robotics Team	40	6	Robotics Team Regional Competition	Madera	CA	3 Periods	SDHSD Foundation / Parent Donations
3	02-27-15 - 03-01-15	Mavro	Tony	CCA QUEST / Robotics Team	24	4	Robotics Competition	Rancho Mirage	CA	1 Day	CCA Foundation / Parent Donations
4	04-24-15 - 04-26-15	Villanova Jarrell	Amy Nate	CCA Jazz Band	20	2	Reno Jazz Festival	Reno	NV	1 Day	CCA Foundation / Parent Donations

\* Dollar amounts are listed only when District/site funds are being spent.  
 Other activities are paid for by student fees or ASB funds.

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 27, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Torrie Norton  
Associate Superintendent/Human Resources

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL OF CERTIFICATED and  
CLASSIFIED PERSONNEL

\*\*\*\*\*

### EXECUTIVE SUMMARY

Please find the following Personnel actions attached for Board Approval:

#### Certificated

Employment  
Change in Assignment  
Leave of Absence  
Termination  
Resignation

#### Classified

Employment  
Change in Assignment  
Resignation

#### RECOMMENDATION:

It is recommended that the Board approve the attached Personnel actions.

#### FUNDING SOURCE:

General Fund

## PERSONNEL LIST

### CERTIFICATED PERSONNEL

#### Employment

1. **Brandon Bejarano**, 100% Temporary Teacher (Special Ed. – Mild/Moderate Disabilities) at Diegueno Middle School for the remainder of the 2014-15 school year, effective 1/12/15 through 6/12/15.
2. **Ryan Mikkonen**, 20% Temporary Teacher (PE) at Diegueno, an additional 33% temporary assignment at Canyon Crest Academy for Semester II/2014-15 school year, effective 1/26/15 through 6/12/15.

#### Change in Assignment

1. **Stacy Hardcastle**, Temporary Teacher (English) at La Costa Canyon High School, change in assignment from 60% to 100% for Semester II/2014-15 school year, effective 1/26/15 through 6/12/15.
2. **Parnak Memar**, Temporary Teacher (mathematics) at Diegueno Middle School, change in assignment from 80% to 100% for Semester II/2014-15 school year, effective 1/26/15 through 6/12/15.
3. **Stephanie Thomson**, Temporary Teacher (English) at Carmel Valley Middle School, reduction in assignment from 100% to 60% and transfer to La Costa Canyon High School for Semester II/2014-15 school year, effective 1/26/15 through 6/12/15.
4. **Todd Vollstedt**, Temporary Teacher (mathematics) at La Costa Canyon High School, change in assignment from 40% to 100% for Semester II/2014-15 school year, effective 1/26/15 through 6/12/15.

#### Leave of Absence

1. **Daryl Nann**, 80% Permanent Teacher, currently on a District-approved Leave of Absence for the 2014-15 school year, requests to resume a 20% teaching assignment (60% Unpaid Leave) for Semester II/2014-15 school year at Diegueno Middle School, effective 1/26/15 through 6/12/15.
2. **Deirdre Shannon**, Teacher, (world languages – Spanish), currently on District 39-month reemployment list; rehired for a 60% teaching assignment at Torrey Pines High School (40% Leave of Absence) beginning Semester II/2014-15 school year, effective 1/26/15.

ITEM 12A

**Termination**

1. **Sonia Daniel**, 100% Temporary Teacher (English) at Diegueno Middle School, for the 2014-15 school year, early termination of temporary employment contract, effective 1/23/15.
2. **Paul Moss**, 20% Temporary Teacher (mathematics) at Oak Crest Middle School for the 2014-15 school year, early termination of temporary employment contract, effective 1/23/15.

**Resignation**

1. **Bruce Brewer**, Teacher (industrial & technology education) at Torrey Pines High School, resignation for retirement purposes at the end of the 2014-15 school year, effective 6/12/15.
2. **Maryanne Dittman**, School Nurse at Earl Warren Middle School, resignation for retirement purposes at the end of the 2014-15 school year, effective 6/12/15.
3. **John Dubois**, Teacher (science) at Carmel Valley Middle School, resignation for retirement purposes at the end of the 2014-15 school year, effective 6/12/15.
4. **Neal Glasgow**, Teacher (art) at San Dieguito High School Academy, resignation for retirement purposes at the end of the 2014-15 school year, effective 6/12/15.

ITEM 12A

**PERSONNEL LIST**

**CLASSIFIED PERSONNEL**

**Employment**

1. **Romero, Carmen**, Custodian, SR32, 100% FTE, San Dieguito High School Academy, effective 1/06/15

**Change in Assignment**

1. **Macon, Katherine**, from Instructional Assistant-SpEd(NS), SR34, 37.50% FTE, Diegueno Middle School to 48.75% FTE, effective 01/08/15

**Resignation**

1. **Mendoza, Mariela**, Instructional Assistant-SpEd(NS), SR34, 48.75% FTE, Coastal Learning Academy, effective 01/30/15
2. **Tanaka, Kelvin**, Grounds Maintenance Worker II, SR39, 100.00% FTE, Facilities, resignation for the purpose of retirement, effective 06/12/15

sj  
2/5/15  
classbdagenda

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 26, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Jason Vilorio, Ed.D., Executive Director of Educational Services  
Michael Grove, Associate Superintendent of Educational Services

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL / RATIFICATION OF PROFESSIONAL SERVICES CONTRACTS/  
EDUCATIONAL SERVICES

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### EXECUTIVE SUMMARY

The attached Professional Services Report/Educational Services summarizes one contract.

### RECOMMENDATION:

The administration recommends that the Board approve and/or ratify the contract, as shown in the attached Professional Services Report.

### FUNDING SOURCE:

As noted on attached list



ITEM 13A

**SAN DIEGUITO UNION HIGH SCHOOL DISTRICT**

**EDUCATIONAL SERVICES - PROFESSIONAL SERVICES REPORT**

**Board Meeting Date: 02-05-15**

<b><u>Contract Effective Dates</u></b>	<b><u>Consultant/ Vendor</u></b>	<b><u>Description of Services</u></b>	<b><u>School/ Department Budget</u></b>	<b><u>Fee Not to Exceed</u></b>
02/06/15 until project completion	The Regents of the University of California (UCSD)	Provide California Healthy Kids Survey (CHKS) support services	General Fund 01-00	\$37,180.00

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 23, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Chuck Adams, Director of Special Education  
Michael Grove, Associate Superintendent,  
Educational Services

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL / RATIFICATION OF AGREEMENTS

-----

### EXECUTIVE SUMMARY

The attached Special Education Agreements report summarizes one contract.

### RECOMMENDATION:

The administration recommends that the Board approve and/or ratify the contract as shown on the attached Special Education Agreements report.

### FUNDING SOURCE:

As noted on the attached report.

SAN DIEGUITO UNION HIGH SCHOOL DISTRICT BOARD MEETING

ITEM 14A

SPECIAL EDUCATION AGREEMENTS

Board Meeting Date: 02-05-15

<u>Contract Effective Dates</u>	<u>Contract/Vendor</u>	<u>Description of Services</u>	<u>Department Budget</u>	<u>Current # of Students</u>	<u>Fee Not to Exceed</u>
07/01/14 – 06/30/15	Nancy E. Markel, Ph.D (ICA)	To provide neuropsychological assessments and IEP support in an educational setting.	General Fund/ Restricted 01-00	1	\$225.00 per hour

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 27, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Chuck Adams, Director of Special Education  
Michael Grove, Associate Superintendent of Educational Services

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL / RATIFICATION OF AMENDMENTS TO AGREEMENTS

-----

### EXECUTIVE SUMMARY

The attached Special Education Amendment to Agreements Report summarizes one amendment to an agreement.

### RECOMMENDATION:

The administration recommends that the Board approve and/or ratify the amendment to the agreement, as shown on the attached Special Education Amendment Report.

### FUNDING SOURCE:

As noted on the attached report.

SAN DIEGUITO UNION HIGH SCHOOL DISTRICT BOARD MEETING

ITEM 14B

SPECIAL EDUCATION – AMENDMENTS TO AGREEMENTS REPORT

Board Meeting Date: 02-05-15

<u>Contract Effective Dates</u>	<u>Contractor/Vendor</u>	<u>Description of Services</u>	<u>School/ Department Budget</u>	<u>Fee Not to Exceed</u>
09/02/14 – 06/30/15	Fred Finch Youth Center (NPS)	Adding a provision for a one on one aide	General Fund/ Restricted 01-00	\$19.65 per hour

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 23, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Chuck Adams, Director of Special Education  
Michael Grove, Associate Superintendent,  
Educational Services

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL OF PARENT SETTLEMENT  
AND RELEASE AGREEMENT

-----

### EXECUTIVE SUMMARY

The attached Special Education Agreement report for Parent Settlements and Release Agreements summarizes two Settlement Agreements that provide services for a Special Education Student.

### RECOMMENDATION:

The administration recommends that the Board approve and/or ratify the contract as shown on the attached Special Education Agreement report.

### FUNDING SOURCE:

As noted on the attached report.

## SAN DIEGUITO UNION HIGH SCHOOL DISTRICT BOARD MEETING

ITEM 14C

SPECIAL EDUCATION AGREEMENTSBoard Meeting Date: 02/05/15

<u>Student SSID #</u>	<u>Description of Services</u>	<u>Date Executed</u>	<u>Budget #</u>	<u>Amount</u>
8216678867	<b><i>Parent Settlement Agreement</i></b> Reimbursement for educationally related vision therapy (VT) sessions and attorney fees up to 01/13/15.	01/13/15	General Fund Special Education 01-00	\$10,800.00
4450247054	<b><i>Parent Settlement Agreement</i></b> Reimbursement for educationally related tuition, services, and attorney fees up to 06/30/15.	01/22/15	General Fund Special Education 01-00	\$46,960.00

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 23, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Rick Ayala, Director  
Pupil Services and Alternative Programs  
Mike Grove, Associate Superintendent,  
Educational Services

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL / RATIFICATION OF AGREEMENTS

-----

### EXECUTIVE SUMMARY

The attached Pupil Services Agreements report summarizes one agreement.

### RECOMMENDATION:

The administration recommends that the Board approve and/or ratify the contract as shown on the attached Pupil Services Agreements report.

### FUNDING SOURCE:

As noted on the attached report.



## SAN DIEGUITO UNION HIGH SCHOOL DISTRICT BOARD MEETING

ITEM 14D

PUPIL SERVICES AGREEMENTSDATE: 02-05-15

<u>Contract Effective Dates</u>	<u>Contractor/Vendor</u>	<u>Description of Services</u>	<u>School/ Department Budget</u>	<u>Fee Not to Exceed</u>
02/06/15 – 06/30/15	ESI International, Inc.	Provide private investigator services for residency checks	General Fund 01-00	\$2,000.00

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 27, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Christina M. Bennett, Director of Purchasing/Risk Mgt  
Eric R. Dill, Associate Superintendent/Business

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL / RATIFICATION OF  
PROFESSIONAL SERVICES CONTRACTS/  
BUSINESS

-----

### EXECUTIVE SUMMARY

The attached Professional Services Report/Business summarizes two contracts.

### RECOMMENDATION:

The administration recommends that the Board approve and/or ratify the contracts, as shown in the attached Professional Services Report.

### FUNDING SOURCE:

As noted on attached report.

ITEM 15A

**SAN DIEGUITO UNION HIGH SCHOOL DISTRICT**

**BUSINESS - PROFESSIONAL SERVICES REPORT**

**Board Meeting Date: 02-05-15**

<b><u>Contract Effective Dates</u></b>	<b><u>Contractor/ Vendor</u></b>	<b><u>Description of Services</u></b>	<b><u>School/ Department Budget</u></b>	<b><u>Fee Not to Exceed</u></b>
02/11/15 – 02/10/16	MSDSpro, LLC operating as SDSpro	Provide software maintenance support for Web Inventory Manager	General Fund 01-00	\$1,710.00
01/20/15 – 01/19/17	San Diego Fire-Rescue Department	Provide automatic external defibrillators (AED) program maintenance	General Fund 01-00	Annual fees in the amounts of \$50.00 for the reinstatement fee, \$25.00 for each AED up to the first ten and \$10.00 for each additional AED after ten

# San Dieguito Union High School District

## **INFORMATION REGARDING BOARD AGENDA ITEM**

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 27, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Eric R. Dill  
Associate Superintendent, Business

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** APPROVAL OF BUSINESS REPORTS

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### **EXECUTIVE SUMMARY**

Please find the following business reports submitted for your approval:

1. Purchase Orders
2. Membership Listings (None Submitted)

### **RECOMMENDATION:**

It is recommended that the Board approve the following business reports: 1) Purchase Orders, and 2) Membership Listings (None Submitted).

### **FUNDING SOURCE:**

Not applicable

## ITEM 15F

## PO REPORT FROM 01/06/15 THRU 01/27/15

PO NBR	DATE	FUND	VENDOR	LOC	DESCRIPTION	AMOUNT
000000001	1/15/2015	0100	SCHOOL SERVICES OF CA INC	021	PROF/CONSULT/OPER EXP	\$2,310.00
000000002	1/16/2015	0100	SAN DIEGO COUNTY OFFICE OF EDUCATION	004	CONFERENCE, WORKSHOP, SEM	\$75.00
000000003	1/20/2015	0100	CA TRANSITION ALLIANCE	002	CONFERENCE, WORKSHOP, SEM	\$1,475.00
000000004	1/20/2015	0100	GECRB/AMAZON	500	MATERIALS & SUPPLIES	\$158.68
000000005	1/20/2015	0100	COMM USA INC	600	MATERIALS & SUPPLIES	\$1,209.60
000000006	1/21/2015	0100	STAPLES ADVANTAGE	500	MATERIALS & SUPPLIES	\$250.09
000000007	1/21/2015	0100	TREE HOUSE INC	500	MATERIALS & SUPPLIES	\$317.80
000000008	1/21/2015	0100	SAN DIEGO COUNTY OFFICE OF EDUCATION	500	CONFERENCE, WORKSHOP, SEM	\$50.00
000000009	1/21/2015	0100	SAN DIEGO COUNTY OFFICE OF EDUCATION	002	CONFERENCE, WORKSHOP, SEM	\$55.00
000000010	1/21/2015	0100	SAN DIEGO COUNTY OFFICE OF EDUCATION	002	CONFERENCE, WORKSHOP, SEM	\$400.00
000000011	1/21/2015	0100	AREY JONES ED SOLUTIONS	600	MAT/SUP/EQUIP TECHNOLOGY	\$1,113.49
000000012	1/21/2015	0100	STAPLES ADVANTAGE	500	MATERIALS & SUPPLIES	\$724.94
000000013	1/21/2015	0100	OFFICE SOLUTIONS BUSINESS	500	MATERIALS & SUPPLIES	\$288.72
000000014	1/22/2015	0100	STAPLES ADVANTAGE	600	MATERIALS & SUPPLIES	\$7.19
000000015	1/22/2015	0100	MEDCO SUPPLY CO INC	002	MATERIALS & SUPPLIES	\$86.79
000000016	1/22/2015	1300	INDUSTRIAL ELECTRIC	014	REPAIRS BY VENDORS	\$1,339.28
000000017	1/22/2015	0100	GECRB/AMAZON	002	MATERIALS & SUPPLIES	\$464.13
000000018	1/22/2015	0100	MOORE MEDICAL, LLC	500	MATERIALS & SUPPLIES	\$48.57
000000019	1/22/2015	0100	WOLVERINE SPORTS	600	MATERIALS & SUPPLIES	\$462.66
000000020	1/22/2015	0100	GECRB/AMAZON	002	MATERIALS & SUPPLIES	\$15.11
000000021	1/22/2015	0100	ROYAL BUSINESS GROUP, INC.	011	OFFICE SUPPLIES	\$12.64
000000022	1/22/2015	0100	TREE HOUSE INC	500	MATERIALS & SUPPLIES	\$203.28
000000023	1/23/2015	0100	CRISIS PREVENTION INSTITUTE	002	MATERIALS & SUPPLIES	\$1,269.30
000000024	1/23/2015	0100	STAPLES ADVANTAGE	017	MATERIALS & SUPPLIES	\$724.02
000000025	1/23/2015	0100	E A I EDUCATION	500	MATERIALS & SUPPLIES	\$34.99
000000026	1/23/2015	0100	GECRB/AMAZON	500	MATERIALS & SUPPLIES	\$337.91
000000027	1/23/2015	0100	GECRB/AMAZON	600	MATERIALS & SUPPLIES	\$205.19
000000028	1/23/2015	0100	MISSION FEDERAL CREDIT UNION	016	ADVERTISING	\$216.00
000000029	1/23/2015	0100	STAPLES ADVANTAGE	500	MATERIALS & SUPPLIES	\$360.83
000000030	1/23/2015	0100	USCutter.com	600	COMPUTER SOFTWARE	\$301.58
000000031	1/23/2015	0100	GECRB/AMAZON	002	MATERIALS & SUPPLIES	\$62.96
000000032	1/23/2015	0100	ACCURATE LABEL DESIGNS	500	MATERIALS & SUPPLIES	\$295.07
000000033	1/23/2015	0100	STAPLES ADVANTAGE	500	DUPLICATING SUPPLIES	\$2,000.00
000000034	1/23/2015	1300	MISSION FEDERAL CREDIT UNION	014	OFFICE SUPPLIES	\$112.32
000000035	1/23/2015	0100	SSID# 4164892560	002	PAY IN LIEU OF TRANSP	\$78.85
000000036	1/23/2015	0100	APPERSON	500	MATERIALS & SUPPLIES	\$96.80
000000037	1/26/2015	0100	STATE BOARD OF EQUALIZATION	013	FEES - ADMISSIONS, TOURN	\$1,548.48
000000038	1/26/2015	0100	CAROLINA BIOLOGICAL SUPPLY CO	500	MATERIALS & SUPPLIES	\$269.93
000000039	1/26/2015	0100	GECRB/AMAZON	017	COMPUTER SUPPLIES	\$577.76
000000040	1/26/2015	0100	GRAINGER	012	NON-CAPITALIZED EQUIPMENT	\$646.92
000000041	1/26/2015	0100	CA TRANSITION ALLIANCE	002	CONFERENCE, WORKSHOP, SEM	\$318.60
000000042	1/26/2015	0100	RUBIO'S	020	REFRESHMENTS	\$47.52
000000043	1/26/2015	0100	STAPLES ADVANTAGE	500	DUPLICATING SUPPLIES	\$320.00
000000044	1/26/2015	0100	GRAINGER	012	NON-CAPITALIZED EQUIPMENT	\$2,292.94
000000045	1/26/2015	0100	SAN DIEGO COUNTY OFFICE OF EDUCATION	004	CONFERENCE, WORKSHOP, SEM	\$450.00
000000046	1/26/2015	0100	STATE BOARD OF EQUALIZATION	013	FEES - ADMISSIONS, TOURN	\$180.34
					REPORT TOTAL	\$23,816.28

ITEM 15F

Individual Membership Listings  
For the Period of January 6, 2015 through January 26, 2015

<u>Staff Member Name</u>	<u>Organization Name</u>	<u>Amount</u>
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None to report

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 26, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** John Addleman, Director of Planning Services  
Eric Dill, Assoc. Superintendent, Business

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** APPROVAL / RATIFICATION OF AGREEMENTS /  
PROPOSITION AA

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### EXECUTIVE SUMMARY

The attached Proposition AA report summarizes five agreements.

The first agreement pertains to MA Engineers, who will provide commissioning services in accordance with Title 24 at San Dieguito High School Academy.

In the second agreement, the District will temporarily utilize/rent tennis courts at Oceanside High School for the tennis programs at San Dieguito High School Academy by entering into a facility use agreement with Oceanside Unified School District. This is needed as construction will be underway and will prohibit the use of the tennis courts at San Dieguito High School Academy.

The next two agreements provide temporary housing for the Transportation Services Department to be expended from Capital Facilities Fund 25-19. One for a 24-month lease of portable office buildings; one for the 24-month lease of portable restroom buildings and sinks during the interim housing and construction phases of the Math & Science Building at San Dieguito High School Academy.

The last agreement pertains to Byrom-Davey, Inc. to establish a Final Guaranteed Maximum Price (GMP) for the athletic field improvements at the La Costa Valley site. On February 6 and 13, 2014 the District advertised a Request for Qualifications (RFQ) CB2014-09 for Lease/Leaseback Services for Stadium and Field Projects. Byrom-Davey, Inc. was selected to provide construction services from among four firms that had responded to the request. The services performed by Byrom-Davey, Inc. continue to be outstanding and therefore it is staff's recommendation that Byrom-Davey, Inc. continue to provide construction services to the District under a lease leaseback contractual arrangement for the construction of the La Costa Valley site and Athletic Fields.

Administration, staff, and district counsel have been working with Byrom-Davey, Inc. to develop a Site Lease, Sublease Agreement, and Construction Services Agreement for Lease-

## ITEM 15G

Leaseback. The total cost of the project is expected to cost approximately \$11.5 million, including soft costs. As it pertains to the Construction Services Agreement, Byrom-Davey, Inc. has provided a Final Guaranteed Maximum Price (GMP) of \$9,258,460.00 for the La Costa Valley site project. The GMP, Byrom-Davey, Inc. includes general conditions of \$384,000, and a district construction contingency of \$430,700 as reflected in the attached Final GMP. Byrom-Davey, Inc. will not charge a construction management fee. At project completion, any unused portion of the district construction contingency will be released back into available Prop AA project funds.

### **RECOMMENDATION:**

It is recommended that the Board approve and/or ratify the professional services contracts and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the agreements, as noted in the attached supplement.

### **FUNDING SOURCE:**

Building Fund-Prop 39 Fund 21-39 and Capital Facilities Fund 25-19



## ITEM 15G

**SAN DIEGUITO UNION HIGH SCHOOL DISTRICT****PROPOSITION AA – AGREEMENTS**  
**FACILITIES PLANNING & CONSTRUCTION****Board Meeting Date: 2-05-15**

<u>Contract Effective Dates</u>	<u>Consultant/ Vendor</u>	<u>Description of Services</u>	<u>School/ Department Budget</u>	<u>Fee Not to Exceed</u>
February 6, 2015 through completion	MA Engineers	Provide commissioning services in accordance with Title 24 at San Dieguito High School Academy	Building Fund– Prop 39 Fund 21-39	\$28,000.00
March 1, 2015 through June 1, 2015	Oceanside Unified School District	Provide temporary rental/use of tennis courts for San Dieguito High School Academy during Prop AA construction	Building Fund– Prop 39 Fund 21-39	Not to exceed \$7,000.00
February 9, 2015 through February 8, 2017	ModSpace	Provide 2 temporary office buildings for a 24 month lease at La Costa Canyon High School for temporary Transportation Services offices. Includes taxes, delivery, installation and removal	Capital Facilities Fund 25-19	\$14,374.80
February 9, 2015 through February 8, 2017	United Site Services	Provide 2 portable restroom trailers and 1 free standing sink, with bi-weekly service for a period of 24 months.	Capital Facilities Fund 25-19	\$20,435.98
February 6, 2015 through completion	Byrom-Davey Inc.	Establish a Final Guaranteed Maximum Price (GMP) to Lease Lease/Back Agreement at the La Costa Valley Site for the La Costa Valley Site and Athletic Field Improvements Project.	Building Fund– Prop 39 Fund 21-39	\$9,258,460.00

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 26, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** John Addleman, Director of Planning Services  
Eric Dill, Assoc. Superintendent, Business

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** APPROVAL / RATIFICATION OF AMENDMENTS  
TO PROFESSIONAL SERVICES CONTRACTS /  
PROPOSITION AA

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### EXECUTIVE SUMMARY

The attached Professional Services Report/Proposition AA summarizes amendments to four existing contracts.

The amendment with Twining, Inc. modifies contract CB2013-31 to provide storm water pollution prevention services district wide, increasing the annual contract value to allow for the increased number of construction projects currently underway.

The next three amendments modify the specialty inspector contracts issued under B2013-08 to Southern California Soils and Testing, Ninyo & Moore, and Nova Services; increasing the annual contract values to allow for the increased number of construction projects currently underway, and to extend the terms of the contracts to coincide with the district's fiscal year ending date.

### RECOMMENDATION:

It is recommended that the Board approves and/or ratifies the amendments to professional services contracts, and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the agreements, as noted in the attached supplement.

### FUNDING SOURCE:

Building Fund-Prop 39 Fund 21-39

## ITEM 15H

## SAN DIEGUITO UNION HIGH SCHOOL DISTRICT

**PROPOSITION AA – AMENDMENTS**  
**FACILITIES PLANNING & CONSTRUCTION****Board Meeting Date: 02-05-15**

<u>Contract Effective Dates</u>	<u>Consultant/ Vendor</u>	<u>Description of Services</u>	<u>School/ Department Budget</u>	<u>Fee Not to Exceed</u>
February 6, 2015 - June 30, 2015	Twining, Inc.	Amend contract CB2013-31 to provide storm water pollution prevention services district wide	Building Fund- Prop 39 Fund 21-39	Additional \$100,000.00 for a new total of \$300,000.00 per year
May 17, 2014 – June 30, 2016	Southern California Soil & Testing, Inc.	Amend contract B2013-08 to provide specialty inspection services district wide, and extend the contract term from June 30, 2015 to June 30, 2016	Building Fund – Prop 39 Fund 21-39	Additional \$400,000.00 for a new total of \$750,000.00 per year
May 17, 2014 – June 30, 2016	Nova Services	Amend contract B2013-08 to provide specialty inspection services district wide, and extend the contract term from June 30, 2015 to June 30, 2016	Building Fund – Prop 39 Fund 21-39	Additional \$300,000.00 for a new total of \$500,000.00 per year
May 17, 2014 – June 30, 2016	Ninyo & Moore	Amend contract B2013-08 to provide specialty inspection services district wide, and extend the contract term from June 30, 2015 to June 30, 2016	Building Fund – Prop 39 Fund 21-39	Additional \$150,000.00 for a new total of \$500,000.00 per year

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 26, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** John Addleman, Director of Planning Services  
Eric Dill, Assoc. Superintendent, Business

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** **ADOPTION OF RESOLUTION / LEASE-  
LEASEBACK /ERICKSON-HALL CONSTRUCTION  
COMPANY**

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### EXECUTIVE SUMMARY

On June 16, 2011, District staff presented the results and recommendation from a request for qualifications for construction services. Erickson Hall Construction Company is one of the three firms selected to provide construction services. The three firms were of ten firms responding to that request. The services performed by Erickson Hall Construction Company continue to be outstanding and therefore it is staff's recommendation that Erickson Hall Construction Company continue to provide construction services to the District under a Lease-Leaseback contractual arrangement for the construction of Torrey Pines High School Phase 2 – B Building Improvements consisting of classroom improvements related to HVAC, technology infrastructure, improvements to Special Ed classrooms and Associated Student Body rooms, and significant improvements to the science classroom wing to create larger classrooms, technology rich, and flexible.

Administration, staff, and district counsel have been working with Erickson Hall Construction Company to develop a Site Lease, Sublease Agreement, and Construction Services Agreement for Lease-Leaseback. The total cost of the project is expected to cost approximately \$21,169,597 million, including soft costs. As it pertains to the Construction Services Agreement, Erickson Hall Construction Company has provided a preliminary Guaranteed Maximum Price (GMP) of \$15,905,121.00 for the project at Torrey Pines High School. The GMP includes a construction management fee of \$279,288.00, general conditions of \$2,624,904.00, a district contingency of \$422,271.00, and a contractor contingency of \$984,887.00 as reflected in the attached Preliminary GMP. At project completion, any unused portion of both the district and contractor contingency will be returned to the District.

In order to establish the final GMP, Erickson Hall Construction Company will conduct bids under the supervision of the District. Erickson Hall Construction Company will seek a

## ITEM 15I-1

minimum of three bids, and if possible a minimum of five bidders requested for all portions of non-specialized work to ensure the best pricing and bidding environment for the District. After the bid, the final GMP will be presented to the Board at a future meeting for approval to amend the agreement.

**Lease/Leaseback Framework**

Lease/Leaseback projects are constructed pursuant to the provisions set forth in Education Code Section 17406, which authorizes school district governing boards, without advertising for bids, to lease property currently owned by a school district to any person, firm, or corporation for a minimum of \$1 per year as long as such lease requires the other party to construct (or provide for the construction) of a building or buildings upon the subject property and that title to the subject property and the buildings vest in the school district at the expiration of the lease. This statutory language requires that school districts first lease its property to a chosen builder. This delivery method to construction has been recognized by the State Legislature as a proven method to deliver school facilities on time, on budget, and with a reduced level risk associated with design issues, delays, and cost overruns.

The Lease/Leaseback arrangement includes three documents:

- A Site Lease that leases the District's property to the Builder,
- A Sublease Agreement that leases the District's property from the Builder back to the District, and
- A Construction Services Agreement for Lease-Leaseback.

**Bidding Requirements**

In order to establish the final GMP, Erickson Hall Construction Company will conduct competitive bids under the supervision of the District. Both firms will seek a minimum of three bids for each specialized construction trade package and, if possible, a minimum of five bidders requested for all portions of non-specialized work to ensure the best pricing and bidding environment for the District. After the bid, the final GMP will be presented to the Board at a future meeting for approval to amend the agreement.

**RECOMMENDATION:**

It is recommended that the Board adopt the following resolution, and authorize Christina M. Bennett or Eric R. Dill to execute the necessary documents:

1. Resolution approving and authorizing execution of Site Lease, Sublease Agreement, and Construction Services Agreement for the Lease-Leaseback Agreement with Erickson Hall Construction Company for the construction of the Torrey Pines High School Phase 2 to be expended from Building Fund-Prop 39 Fund 21-39, as shown in the attached supplement.

**FUNDING SOURCE:**

Building Fund-Prop 39 Fund 21-39

**RESOLUTION**

**APPROVING AND AUTHORIZING EXECUTION OF SITE LEASE, SUBLEASE AGREEMENT AND  
CONSTRUCTION SERVICES AGREEMENT FOR LEASE-LEASEBACK AGREEMENT FOR THE  
MODERNIZATION OF TORREY PINES HIGH SCHOOL PHASE 2**

**ON MOTION** of Member \_\_\_\_\_, seconded by Member \_\_\_\_\_, the governing board of the San Dieguito Union High School District (the "District") hereby resolves as follows:

**WHEREAS**, in November, 2012, the Voters approved Proposition AA to finance the work of the District for the next several years (the "Prop AA Bonds"); and

**WHEREAS**, the District has identified priority projects of school facilities which include the modernization of Torrey Pines High School Phase 2 (the "Project"), with the work to be substantially completed in September 2017; and

**WHEREAS**, the Project is expected to cost approximately \$21.2 million, with one hundred percent (100%) of the funding from Prop AA Bonds; and

**WHEREAS**, Education Code Section 17406 provides authority for the Governing Board of any school district, without advertising for bids to lease property currently owned by a school district to any person, firm, or corporation as long as such lease requires the other party to construct (or provide for the construction) of a building or buildings upon the subject property and that title to the subject property and the buildings vest in the school district at the expiration of the lease; and

**WHEREAS**, this Board has determined it to be in the best interest of the District and the citizens it serves to enter into a Lease-Leaseback Agreement for the construction of the Project in order to ensure execution and completion of the Project within the short timelines for construction, to obtain a guaranteed maximum price to ensure the Project will be completed within the District's budget for the Project, optimizing funds available for construction; and

**WHEREAS**, the District established a committee to select firms to provide construction services for the Project through a competitive request for qualifications, of which Erickson Hall Construction Company, Inc. (the "Builder") is the firm selected; and

**WHEREAS**, Builder is licensed and qualified to perform the work; and

**WHEREAS**, pursuant to an agreement with Builder entitled Construction Services Agreement for Lease-Leaseback, the District will award the contract for construction of the Project to Builder and Builder will construct the Project; and

**WHEREAS**, pursuant to a Site Lease (the "Site Lease") by and between the District and the Builder, the District will lease to the Builder the Site in order for Builder to construct the Project; and

ITEM 15I-1

**WHEREAS**, the Builder will lease the Project back to the District pursuant to a Sublease Agreement (the "Sublease"), under which the District will be required to make Sublease Payments, as such term is defined in the Sublease, to the Builder for the use and occupancy of the Project;

**NOW, THEREFORE, BE IT RESOLVED**, by the Board of Trustees of the San Dieguito Union High School District, that the Site Lease, Sublease Agreement, and Construction Services Agreement for Lease-Leaseback by and between the District and Builder be approved and that Christina M. Bennett, or Eric R. Dill is hereby authorized to execute the necessary documents.

**PASSED AND ADOPTED** by the San Dieguito Union High School District Board of Trustees at Encinitas, California, on February 5, 2015, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

State of California    )  
                                  )  
County of San Diego )

I, John Salazar, Clerk of the Board of Trustees, do hereby certify that the foregoing is a full, true, and correct copy of a Resolution accepted by said Board at a regular meeting held at its regular place of meeting by the vote above stated, which Resolution is on file in the office of the said Board.

\_\_\_\_\_  
Clerk of the Board of Trustees



Erickson-Hall Construction

ITEM 15I-1

January 28, 2015

San Dieguito Union High School District  
Attn: David Tomaino  
684 Requeza Street  
Encinitas, CA 92024

RE: Torrey Pines High School – Building B  
Subject: Preliminary GMP

The following is the preliminary GMP for the Torrey Pines High School phased improvements for Building B. The phased improvements include the North and South portions, Media Center and site work renovations. Work is projected to be completed by June 30, 2017.

<b>GENERAL CONDITIONS</b>	<b>\$ 2,624,904.00</b>
<b>SITE CONSTRUCTION</b>	<b>\$11,171,500.00</b>
<b>DISTRICT CONTINGENCY</b>	<b>\$ 422,271.00</b>
<b>CONTRACTOR CONTINGENCY</b>	<b>\$ 984,887.00</b>
<b>PERFORMANCE/PAYMENT BOND</b>	<b>\$ 140,757.00</b>
<b>COC INSURANCE</b>	<b>\$ 140,757.00</b>
<b>LIABILITY INSURANCE</b>	<b>\$ 140,757.00</b>
<b>CONTRACTOR FEE</b>	<b>\$ 279,288.00</b>

**TOTAL GMP** **\$15,905,121.00**

Sincerely,

David M. Erickson  
Chief Executive Officer

DE/Ins

cc: Mr. Russ Thornton  
Mr. John Addleman



# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 26, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** John Addleman, Director of Planning Services  
Eric Dill, Assoc. Superintendent, Business

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** ADOPTION OF RESOLUTION / LEASE-  
LEASEBACK /BYROM-DAVEY, INC.

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### EXECUTIVE SUMMARY

On February 6 and 13, 2014 the District advertised a Request for Qualifications (RFQ) CB2014-09 for Lease/Leaseback Services for Stadium and Field Projects. Byrom-Davey, Inc. was selected to provide construction services from among four firms that had responded to the request. The services performed by Byrom-Davey, Inc. continue to be outstanding and therefore it is staff's recommendation that Byrom-Davey, Inc. continue to provide construction services to the District under a lease leaseback contractual arrangement for the construction of the La Costa Valley site and Athletic Fields.

Administration, staff, and district counsel have been working with Byrom-Davey, Inc. to develop a Site Lease, Sublease Agreement, and Construction Services Agreement for Lease-Leaseback. The total cost of the project is expected to cost approximately \$11.6 million, including soft costs. As it pertains to the Construction Services Agreement, Byrom-Davey, Inc. has provided a final Guaranteed Maximum Price (GMP) of \$9,258,460.00 for the La Costa Valley site project. The GMP, Byrom-Davey, Inc. includes general conditions of \$384,000, and a district construction contingency of \$430,700 as reflected in the attached Final GMP. Byrom-Davey, Inc. will not charge a construction management fee. At project completion, any unused portion of the district construction contingency will be released back into available Prop AA project funds.

### Lease/Leaseback Framework

Lease/Leaseback projects are constructed pursuant to the provisions set forth in Education Code Section 17406, which authorizes school district governing boards, without advertising for bids, to lease property currently owned by a school district to any person, firm, or corporation for a minimum of \$1 per year as long as such lease requires the other party to construct (or provide for the construction) of a building or buildings upon the subject property and that title to the subject property and the buildings vest in the school district at the expiration of the lease.

## ITEM 15I-2

This statutory language requires that school districts first lease its property to a chosen builder. This delivery method to construction has been recognized by the State Legislature as a proven method to deliver school facilities on time, on budget, and with a reduced level risk associated with design issues, delays, and cost overruns.

The Lease/Leaseback arrangement includes three documents:

- A Site Lease that leases the District's property to the Builder,
- A Sublease Agreement that leases the District's property from the Builder back to the District, and
- A Construction Services Agreement for Lease-Leaseback.

**Bidding Requirements**

In order to establish the final GMP, Byrom-Davey, Inc. has conducted competitive bids under the supervision of the District. Byrom-Davey, Inc. sought a minimum of three bids for each specialized construction trade package and, if possible, a minimum of five bidders requested for all portions of non-specialized work to ensure the best pricing and bidding environment for the District.

**RECOMMENDATION:**

It is recommended that the Board adopt the following resolution, and authorize Christina M. Bennett or Eric R. Dill to execute the necessary documents:

1. Resolution approving and authorizing execution of Site Lease, Sublease Agreement, and Construction Services Agreement for the Lease-Leaseback Agreement with Byrom-Davey Inc., for the construction of the La Costa Valley Site and Athletic Field Improvements to be expended from Building Fund-Prop 39 Fund 21-39, as shown in the attached supplement.

**FUNDING SOURCE:**

Building Fund-Prop 39 Fund 21-39

ITEM 15I-2

**RESOLUTION**

**APPROVING AND AUTHORIZING EXECUTION OF SITE LEASE, SUBLEASE AGREEMENT AND CONSTRUCTION SERVICES AGREEMENT FOR LEASE-LEASEBACK AGREEMENT FOR THE IMPROVEMENTS OF LA COSTA VALLEY SITE**

**ON MOTION** of Member \_\_\_\_\_, seconded by Member \_\_\_\_\_, the Governing Board of the San Dieguito Union High School District (the "District") hereby resolves as follows:

**WHEREAS**, in November, 2012, the Voters approved Proposition AA to finance the work of the District for the next several years (the "Prop AA Bonds"); and

**WHEREAS**, the District has identified priority projects of school facilities which include the Improvements at La Costa Valley Site and Athletic Fields (the "Project"), with the work to be substantially completed in December 2015; and

**WHEREAS**, the Project is expected to cost approximately \$11.6 million, with ninety-nine percent (99%) of the funding from Prop AA Bonds and one percent (1%) of the funding from Mello Roos; and

**WHEREAS**, Education Code Section 17406 provides authority for the Governing Board of any school district, without advertising for bids to lease property currently owned by a school district to any person, firm, or corporation as long as such lease requires the other party to construct (or provide for the construction) of a building or buildings upon the subject property and that title to the subject property and the buildings vest in the school district at the expiration of the lease; and

**WHEREAS**, this Board has determined it to be in the best interest of the District and the citizens it serves to enter into a Lease-Leaseback Agreement for the construction of the Project in order to ensure execution and completion of the Project within the short timelines for construction, to obtain a guaranteed maximum price to ensure the Project will be completed within the District's budget for the Project, optimizing funds available for construction; and

**WHEREAS**, the District established a committee to select firms to provide construction services for the Project through a competitive request for qualifications, of which Byrom-Davey, Inc. (the "Builder") is the firm selected; and

**WHEREAS**, Builder is licensed and qualified to perform the work; and

**WHEREAS**, pursuant to an agreement with Builder entitled Construction Services Agreement for Lease-Leaseback, the District will award the contract for construction of the Project to Builder and Builder will construct the Project; and

**WHEREAS**, pursuant to a Site Lease (the "Site Lease") by and between the District and the Builder, the District will lease to the Builder the Site in order for Builder to construct the Project; and

**WHEREAS**, the Builder will lease the Project back to the District pursuant to a Sublease Agreement (the "Sublease"), under which the District will be required to make Sublease Payments, as such term is defined in the Sublease, to the Builder for the use and occupancy of the Project;

ITEM 15I-2

**NOW, THEREFORE, BE IT RESOLVED**, by the Board of Trustees of the San Dieguito Union High School District, that the Site Lease Agreement, Sublease Agreement, and Construction Services Agreement for Lease-Leaseback by and between the District and Builder be approved and that Christina M. Bennett, or Eric R. Dill is hereby authorized to execute the necessary documents.

**PASSED AND ADOPTED** by the San Dieguito Union High School District Board of Trustees at Encinitas, California, on February 5, 2015, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

State of California )  
  )  
County of San Diego )

I, John Salazar, Clerk of the Board of Trustees, do hereby certify that the foregoing is a full, true, and correct copy of a Resolution accepted by said Board at a regular meeting held at its regular place of meeting by the vote above stated, which Resolution is on file in the office of the said Board.

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Clerk of the Board of Trustees



*We put our team to work  
so your team can play*

**Byrom-Davey, Inc.**

**ITEM 15I-2**  
**Suite #103**  
**San Diego, Ca. 92128**  
**(858) 513-7199**  
**Fax (858) 513-7198**  
**License #803447**

January 21, 2015

San Dieguito Union High School District  
684 Requeza Street  
Encinitas, CA 92024  
Attn: Mr. David Tomaino

Project: La Costa Valley Site and Athletic Fields Improvements

Subject: Final GMP – La Costa Valley Site and Athletic Fields

The following is the Final GMP for the La Costa Valley Site Improvements which involves the improvement of a 26 acre site for new athletic fields, parking lots, site pre-fabricated restroom, new site utilities, site concrete, site fencing, site masonry, landscape and irrigation, baseball fields, softball field, soccer fields. This work also includes preparing the site by clearing and grubbing, mass grading and new site water, sewer, storm drain, fire service and electrical. Work is projected to be completed by December 2015.

<b>GENERAL CONDITIONS</b>	<b>\$ 384,000.00</b>
<b>SITE CONSTRUCTION</b>	<b>\$ 8,020,900.00</b>
<b>DISTRICT CONTINGENCY</b>	<b>\$ 430,700.00</b>
<b>SWPPP IMPLEMENTATION</b>	<b>\$ 130,400.00</b>
<b>ADDITIONAL RESTROOM ALLOWANCE</b>	<b>\$ 200,000.00</b>
<b>PERFORMANCE/PAYMENT BOND</b>	<b>\$ 92,460.00</b>
<b>TOTAL GMP:</b>	<b><u>\$ 9,258,460.00</u></b>

Sincerely,

Steve Davey  
President/CEO

Cc: Mr. Russ Thornton  
Mr. John Addleman

ITEM 16A-L

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 16, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Michael Grove, Associate Superintendent of Educational Services

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** **ADOPTION OF NEW / REVISED / DELETED BOARD POLICIES AND/OR ADMINISTRATIVE REGULATIONS / EDUCATIONAL SERVICES**

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### EXECUTIVE SUMMARY

As new and/or revised federal regulations and California Education Code become law and when legal cases affect board policies, the California School Boards Association (CSBA) provides school districts with samples of new or replacement policies to assist in maintaining updated policies.

The following Board Policies have been created or revised to align with the CSBA recommendations:

Current Policy Number	New Policy Number	Title	Revised	Comments
	0460 / 0460 AR-1	Local Control and Accountability Plan		New to align with CSBA recommendations
	6142.2 / 6142.2 AR-1	World – Foreign Language Instruction		New to align with CSBA recommendations
	6142.3	Civic Education		New to align with CSBA recommendations
6142.5 AR-1		Environmental Awareness		Delete AR - redundant
	6142.6	Visual and Performing Arts Education		New to align with CSBA recommendations
	6142.7	Physical Education and Activity		New to align with CSBA recommendations
	6142.8	Comprehensive Health Education		New to align with CSBA recommendations

## ITEM 16A-L

## Executive Summary

## ADOPTION OF NEW / REVISED / DELETED BOARD POLICIES AND/OR ADMINISTRATIVE REGULATIONS

Page 2

Current Policy Number	New Policy Number	Title	Revised	Comments
	6142.91	Reading / Language Arts Instruction		New to align with CSBA recommendations
	6142.92	Mathematics Instruction		New to align with CSBA recommendations
	6142.93	Science Instruction		New to align with CSBA recommendations
	6142.94	History-Social Science Instruction		New to align with CSBA recommendations
6200.1 6200.1/AR-1	6146.1/ 6146.1 AR-1	High School Graduation Requirements	✓	Revised to reflect necessary updates due to 1) math course changes as a result of the new Common Core State Standards implementation, and 2) alignment of the policy number to the CSBA number (Delete 6200.1 Policy and AR)

**RECOMMENDATION:**

This item was presented for first read on January 15, 2015, and is being resubmitted for board action. It is recommended that the Board adopt the proposed new/revised/deleted board policies and/or administrative regulations, as listed above.

**FUNDING SOURCE:**

Not applicable

## PHILOSOPHY, GOALS, OBJECTIVES AND COMPREHENSIVE PLANS

0460

### LOCAL CONTROL AND ACCOUNTABILITY PLAN (LCAP)

The Governing Board desires to ensure the most effective use of available state funding to improve outcomes for all students. A community-based, comprehensive, data-driven planning process shall be used to identify annual goals and specific actions aligned with state and local priorities and to facilitate continuous improvement of district practices.

The Board shall adopt a districtwide local control and accountability plan (LCAP), using the template provided by the State Board of Education, which addresses the state priorities specified in Education Code 52060. The LCAP shall be effective for three years and shall be updated on or before July 1 of each year.

In addition, the LCAP shall address any local priorities adopted by the Board.

The LCAP shall focus on improving outcomes for all students, particularly those who are "unduplicated students" and other underperforming students.

Unduplicated students include students who are eligible for free or reduced-price meals, English learners, and foster youth and are counted only once for purposes of the local control funding formula.

To minimize duplication of effort and provide clear direction for program implementation, the LCAP and other district and school plans shall be aligned to the extent possible.

The Superintendent or designee shall review the single plan for student achievement (SPSA) submitted by each district school pursuant to Education Code 64001 to ensure that the specific actions included in the LCAP or the annual update are consistent with strategies included in the SPSA.

Any complaint that the district has not complied with legal requirements pertaining to the LCAP may be filed pursuant to AR 1312.3 - Uniform Complaint Procedures.

### PLAN DEVELOPMENT

The Superintendent or designee shall gather data and information needed for effective and meaningful plan development and present it to the Board and community. Such data and information shall include, but not be limited to, data regarding the numbers of students in various student subgroups, disaggregated data on student achievement levels, and information about current programs and expenditures.

The Board shall consult with teachers, principals, administrators, other school personnel, employee bargaining units, parents/guardians, and students in developing the LCAP.

### PUBLIC REVIEW AND INPUT

The Board shall establish the following committee(s) to review and comment on the LCAP:

1. A parent advisory committee including at least one parent/guardian of unduplicated students as defined above.
2. An English learner parent advisory committee whenever district enrollment includes at least 15 percent English learners and at least 50 students who are English learners

The Superintendent or designee shall present the LCAP or the annual update to the committee(s) before



## **PHILOSOPHY, GOALS, OBJECTIVES AND COMPREHENSIVE PLANS**

**0460**

it is submitted to the Board for adoption, and shall respond in writing to comments received from the committee(s).

The Superintendent or designee shall notify members of the public of the opportunity to submit written comments regarding the specific actions and expenditures proposed to be included in the LCAP or the annual update to the LCAP. The notification shall be provided using the most efficient method of notification possible, which may not necessarily include producing printed notices or sending notices by mail. All written notifications related to the LCAP or the annual update shall be provided in the primary language of parents/guardians when required by Education Code 48985.

The Board shall hold at least one public hearing to solicit the recommendations and comments of members of the public regarding the specific actions and expenditures proposed to be included in the LCAP or the annual update. The public hearing shall be held at the same meeting as the public hearing required prior to the adoption of the district budget in accordance with Education Code 42127 and AR 3100 - Budget.

### **ADOPTION OF THE PLAN**

Prior to adopting the district budget, but at the same public meeting, the Board shall adopt the LCAP or the annual update. This meeting shall be held after the public hearing described above, but not on the same day as the hearing.

The Board may adopt revisions to the LCAP at any time during the period in which the plan is in effect, provided the Board follows the process to adopt the LCAP pursuant to Education Code 52062 and the revisions are adopted in a public meeting.

### **SUBMISSION OF THE PLAN TO THE COUNTY SUPERINTENDENT OF SCHOOLS**

Not later than five days after adoption of the LCAP or the annual update to the LCAP, the Board shall file the LCAP or the annual update with the County Superintendent of Schools. (Education Code 52070) If the County Superintendent sends, by August 15, a written request for clarification of the contents of the LCAP or the annual update, the Board shall respond in writing within 15 days of the request. If the County Superintendent then submits recommendations for amendments to the LCAP within 15 days of receiving the Board's response, the Board shall consider those recommendations in a public meeting within 15 days of receiving the recommendations.

### **MONITORING PROGRESS**

The Superintendent or designee shall report to the Board, at least semi-annually in accordance with the timeline and indicators established by him/her and the Board, regarding the district's progress toward attaining each goal identified in the LCAP. Evaluation data shall be used to recommend any necessary revisions to the LCAP.

### **TECHNICAL ASSISTANCE / INTERVENTION**

When it is in the best interest of the district, the Board may submit a request to the County

## PHILOSOPHY, GOALS, OBJECTIVES AND COMPREHENSIVE PLANS

0460

Superintendent for technical assistance, including, but not limited to:

1. Assistance in the identification of district strengths and weaknesses in regard to state priorities and review of effective, evidence-based programs that apply to the district's goals
2. Assistance from an academic expert, team of academic experts, or another district in the county in identifying and implementing effective programs to improve the outcomes for student subgroups
3. Advice and assistance from the California Collaborative for Educational Excellence established pursuant to Education Code 52074

In the event that the County Superintendent requires the district to receive technical assistance pursuant to Education Code 52071, the Board shall review all recommendations received from the County Superintendent or other advisor and shall consider revisions to the LCAP as appropriate in accordance with the process specified in Education Code 52062.

If the Superintendent of Public Instruction (SPI) identifies the district as needing intervention pursuant to Education Code 52072, the district shall cooperate with any action taken by the SPI or any academic advisor appointed by the SPI, which may include one or more of the following:

1. Revision of the district's LCAP
2. Revision of the district's budget in accordance with changes in the LCAP
3. A determination to stay or rescind any district action that would prevent the district from improving outcomes for all student subgroups, provided that action is not required by a collective bargaining agreement.

### LEGAL REFERENCE:

#### EDUCATION CODE

17002 State School Building Lease-Purchase Law, including definition of good repair  
 41020 Audits  
 42127 Public hearing on budget adoption  
 42238.01-42238.07 Local control funding formula  
 44258.9 County superintendent review of teacher assignment  
 48985 Parental notices in languages other than English  
 51210 Course of study for grades 1-6  
 51220 Course of study for grades 7-12  
 52052 Academic Performance Index; numerically significant student subgroups  
 52060-52077 Local control and accountability plan  
 52302 Regional occupational centers and programs  
 52372.5 Linked learning pilot program  
 54692 Partnership academies  
 60119 Sufficiency of textbooks and instructional materials; hearing and resolution  
 60605.8 California Assessment of Academic Achievement; Academic Content Standards Commission  
 60811.3 Assessment of language development  
 64001 Single plan for student achievement  
 99300-99301 Early Assessment Program

## **PHILOSOPHY, GOALS, OBJECTIVES AND COMPREHENSIVE PLANS**

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**0460**

### **UNITED STATES CODE, TITLE 20**

6312 Local educational agency plan

6826 Title III funds, local plans

### **Management Resources:**

#### **CSBA PUBLICATIONS**

Impact of Local Control Funding Formula on Board Policies, November 2013

Local Control Funding Formula 2013, Governance Brief, August 2013

State Priorities for Funding: The Need for Local Control and Accountability Plans, Fact Sheet, August  
2013

#### **CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS**

California School Accounting Manual

#### **WEB SITES**

CSBA: <http://www.csba.org>

California Department of Education: <http://www.cde.ca.gov>

## PHILOSOPHY, GOALS, OBJECTIVES AND COMPREHENSIVE PLANS

0460 / AR-1

### LOCAL CONTROL AND ACCOUNTABILITY PLAN (LCAP)

#### CONTENT OF THE PLAN

The district's local control and accountability plan (LCAP) shall include, for the district and each district school:

1. A description of the annual goals established for all students and for each numerically significant subgroup as defined in Education Code 52052, including ethnic subgroups, socioeconomically disadvantaged students, English learners, students with disabilities, and foster youth. The LCAP shall identify goals for each of the following state priorities:
  - (a) The degree to which district teachers are appropriately assigned in accordance with Education Code 44258.9 and fully credentialed in the subject areas and for the students they are teaching; every district student has sufficient access to standards-aligned instructional materials as determined pursuant to Education Code 60119; and school facilities are maintained in good repair as specified in Education Code 17002
  - (b) Implementation of the academic content and performance standards adopted by the State Board of Education (SBE), including how the programs and services will enable English learners to access the Common Core State Standards and the English language development standards for purposes of gaining academic content knowledge and English language proficiency.
  - (c) Parent/guardian involvement, including efforts the district makes to seek parent/guardian input in district and school site decision making and how the district will promote parent/guardian participation in programs for unduplicated students, as defined in Education Code 42238.02 and Board policy.
  - (d) Student achievement, as measured by all of the following as applicable:
    - (1) Statewide assessments of student achievement
    - (2) Academic Performance Index
    - (3) The percentage of students who have successfully completed courses that satisfy the requirements for entrance to the University of California and the California State University, or career technical education sequences or programs of study that satisfy specified requirements and align with SBE-approved career technical education standards and frameworks, including, but not limited to, those described in Education Code 52302, 52372.5, or 54692
    - (4) The percentage of English learners who make progress toward English proficiency as measured by the SBE- certified assessment of English proficiency
    - (5) The English learner reclassification rate
    - (6) The percentage of students who have passed an advanced placement examination with a score of 3 or higher
    - (7) The percentage of students who participate in and demonstrate college preparedness in the Early Assessment Program pursuant to Education Code

## PHILOSOPHY, GOALS, OBJECTIVES AND COMPREHENSIVE PLANS

0460 / AR-1

99300-99301

- (e) Student engagement, as measured by school attendance rates, chronic absenteeism rates, middle school dropout rates, high school dropout rates, and high school graduation rates, as applicable
  - (f) School climate, as measured by student suspension and expulsion rates and other local measures, including surveys of students, parents/guardians, and teachers on the sense of safety and school connectedness, as applicable
  - (g) The extent to which students have access to and are enrolled in a broad course of study that includes all of the subject areas described in Education Code 51210 and 51220, as applicable, including the programs and services developed and provided to unduplicated students and students with disabilities, and the programs and services that are provided to benefit these students as a result of supplemental and concentration grant funding pursuant to Education Code 42238.02 and 42238.03
  - (h) Student outcomes, if available, in the subject areas described in Education Code 51210 and 51220, as applicable
2. Any goals identified for any local priorities established by the Board.
  3. A description of the specific actions the district will take during each year of the LCAP to achieve the identified goals, including the enumeration of any specific actions necessary for that year to correct any deficiencies in regard to the state and local priorities specified in items #1-2 above. Such actions shall not supersede provisions of existing collective bargaining agreements within the district.

For purposes of the descriptions required by items #1-3 above, the Board may consider qualitative information, including, but not limited to, findings that result from any school quality reviews conducted pursuant to Education Code 52052 or any other reviews.

For any local priorities addressed in the LCAP, the Board and Superintendent or designee shall identify the method for measuring the district's progress toward achieving those goals.

To the extent practicable, data reported in the LCAP shall be reported in a manner consistent with how information is reported on a school accountability report card.

### ANNUAL UPDATES

On or before July 1 of each year, the LCAP shall be updated using the template developed by the SBE and shall include all of the following:

1. A review of any changes in the applicability of the goals described in the existing LCAP pursuant to the section "Content of the Plan" above

## **PHILOSOPHY, GOALS, OBJECTIVES AND COMPREHENSIVE PLANS**

**0460 / AR-1**

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2. A review of the progress toward the goals included in the existing LCAP, an assessment of the effectiveness of the specific actions described in the existing LCAP toward achieving the goals and a description of changes to the specific actions the district will make as a result of the review and assessment
3. A listing and description of the expenditures for the fiscal year implementing the specific actions included in the LCAP and the changes to the specific actions made as a result of the reviews and assessment required by items #1-2 above
4. A listing and description of expenditures for the fiscal year that will serve unduplicated students and students redesignated as fluent English proficient

### **AVAILABILITY OF THE PLAN**

The Superintendent or designee shall post the LCAP and any updates or revisions to the LCAP on the district's web site.

**INSTRUCTION****6142.2****WORLD / FOREIGN LANGUAGE INSTRUCTION**

In order to prepare students for global citizenship and to broaden their intercultural understanding and career opportunities, the Governing Board shall provide students with opportunities to develop linguistic proficiency and cultural literacy in one or more world languages in addition to English.

The Superintendent or designee shall recommend world languages to be taught in the district's educational program based on student interest, community needs, and available resources. He/she shall also consider providing English learners the opportunity to study their heritage language, when such a course is available, in order to continue developing skills in that language. American Sign Language courses shall be open to all students regardless of hearing status.

The district shall offer a sequential curriculum aligned with the state content standards, state curriculum framework, and, as applicable, California university admission requirements for languages other than English.

Instruction in world languages shall be offered to secondary school students beginning no later than grade 7 and shall be designed to develop students' skills in understanding, speaking, reading, and writing the language. (Education Code 51220)

Students shall obtain credit toward high school graduation requirements for completion of a one-year course during grades 9-12 in a world language or American Sign Language.

In order to encourage higher levels of language proficiency throughout a student's education, the district may offer age-appropriate language programs. The district may deliver language studies through a two-way immersion program in which instruction is delivered in both English and another language to both English-only students and English learners.

The Board shall ensure that students have access to high-quality instructional materials in world languages. In accordance with Board policy, teachers shall also be encouraged to identify and use supplemental resources, such as literature, technology, newspapers and other media, dictionaries, and volunteers from the community to enhance the world language instructional program.

The Superintendent or designee shall provide professional development as necessary to ensure that teachers of world languages have the knowledge and skills they need to implement an effective instructional program that helps students attain academic standards.

The Superintendent or designee shall provide periodic reports to the Board regarding the effectiveness of the district's world language program which may include, but not be limited to, a description of the district's curriculum and the extent to which it is aligned with the state's content standards and curriculum framework, student achievement of district standards for world language instruction, and student participation rates in each language course. Program evaluation shall be used to identify needed improvements and may be considered in determining the languages to be taught in the district.

## **INSTRUCTION**

**6142.2**

### **LEGAL REFERENCE:**

#### **EDUCATION CODE:**

300-311 Education for English learners  
44256-44257 Credential requirements, including teachers of foreign language  
51212 Legislative intent to encourage foreign language instruction in grades 1-6  
51220 Courses of study, grades 7-12  
51225.3 High school graduation requirements  
51243-51245 Alternative credits toward graduation for foreign language instruction in private school  
60117-60119 Pupil Textbook and Instructional Materials Incentive Program Act  
60605.3 Content standards for foreign language instruction

#### **CODE OF REGULATIONS, TITLE 5**

1632 Alternative credits toward graduation for foreign language instruction in private school  
11309 English immersion programs, parental exception waivers

### **MANAGEMENT RESOURCES:**

#### **CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS:**

World Language Content Standards for California Public Schools, Kindergarten Through Grade Twelve, adopted January 7, 2009  
Foreign Language Framework for California Public Schools, Kindergarten Through Grade Twelve, 2003

#### **CENTER FOR APPLIED LINGUISTICS PUBLICATIONS**

Guiding Principles for Dual Language Education, Second Edition, 2007

### **COLLEGE BOARD PUBLICATIONS:**

A Challenge to Change: The Language Learning Continuum, 1999

### **WEBSITES:**

CSBA: <http://www.csba.org>  
American Council on the Teaching of Foreign Languages: <http://www.actfl.org>  
California Association of Bilingual Education: <http://www.bilingualeducation.org>  
California Department of Education, Foreign Language: <http://www.cde.ca.gov/ci/fl>  
California Foreign Language Project: <http://www.stanford.edu/group/CFLP>  
California Language Teachers' Association: <http://www.clta.net>  
Center for Applied Linguistics: <http://www.cal.org>  
College Board: <http://www.collegeboard.co>  
University of California, a-g Course Approval: <http://www.ucop.edu/a-gGuide/ag>



**INSTRUCTION****6142.2 / AR-1****WORLD / FOREIGN LANGUAGE INSTRUCTION****CONTENT OF INSTRUCTION**

The district's instructional program for world languages shall be designed to help students gain knowledge about new language systems and use that knowledge to communicate. Students shall receive instruction which is aligned with state academic standards appropriate to their age and stage of linguistic and cultural proficiency in the following five categories:

1. Content: Students shall be presented with a wide variety of content that is age and stage appropriate and increases in complexity.
2. Communication: Students shall be taught to effectively convey and receive messages by engaging in or interpreting written, spoken, and/or signed languages.
3. Cultures: Students shall receive instruction that allows them to make connections and comparisons between language and culture.
4. Structures: The curriculum shall address components of grammar, syntax, and language patterns appropriate to the language being taught.
5. Settings: To help students comprehend meaning and use language that is culturally appropriate, students shall develop knowledge of the context or setting in which language is used, such as common daily settings, interpersonal settings, and informal and formal settings.

**TWO- WAY IMMERSION PROGRAMS**

The district may establish two-way immersion programs based on either or both of the following models:

1. A 50:50 model in which instruction is provided in the non-English target language for 50 percent of the time and in English for 50 percent of the time, throughout the duration of the program
2. A 90:10 model in which instruction is provided in the non-English target language for 90 percent of the time and in English for 10 percent of the time during the first year of the program, decreasing the percentage of time in the non-English language in each subsequent year until there is a 50:50 balance of languages

English-only speakers shall be accepted into the program only during the first grade level at which the program is offered. English learners may be admitted into the program during the first or second grade level at which the program is offered. Bilingual students may enter the program at any time.

In enrolling students for the program, the district shall strive to maintain a ratio of half English speakers and half non-English speakers and such ratio shall not fall below one-third for either language group except under exceptional circumstances.

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**INSTRUCTION**

**6142.2 / AR-1**

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In order for a limited-English-proficient student to participate in a two-way immersion program, his/her parent/guardian shall annually submit a request for a parental exception waiver pursuant to Education Code 310-311 and 5 CCR 11309.

## ITEM 16A-L

**INSTRUCTION****6142.3****CIVIC EDUCATION**

-The Governing Board recognizes that citizen involvement in civic and political institutions is essential to a democratic government and desires to provide a comprehensive civic education program to help students acquire the knowledge, skills, and principles essential for informed, responsible citizenship.

The Board shall approve, upon the recommendation of the Superintendent or designee, academic standards and curriculum in civics and government that are aligned with state academic standards and curriculum frameworks.

The Superintendent or designee shall determine specific courses within the K-12 curriculum in which civic education and government may be explicitly and systematically taught. He/she also shall encourage the integration of civic education into other subjects as appropriate.

The district's civic education program shall provide students with an understanding of the rights and responsibilities of citizens in American democracy and the workings of federal, state, and local governments. As appropriate, instruction should include an examination of fundamental American documents, including, but not limited to, the Declaration of Independence, the United States Constitution, the Federalist Papers, and other significant writings and speeches.

To develop a sense of political effectiveness, instruction should develop students' understanding of the importance of civic participation in a democratic society. Service learning, extracurricular and cocurricular activities, class and school elections, and observation of local government processes may be used to reinforce classroom instruction by linking civic knowledge to practical experience and encouraging civic involvement.

Instruction also should promote a student's understanding of shared democratic principles and values, such as personal responsibility, justice, equality, respect for others, civic-mindedness, and patriotism, and enable students to make their own commitment to these civic values.

**CONSTITUTION / CITIZENSHIP DAY**

Each year on or near September 17, in commemoration of Constitution and Citizenship Day, the district shall hold an educational program for students in grades K-12 pertaining to the United States Constitution which shall include exercises and instruction in the purpose, meaning, and importance of the Constitution, including the Bill of Rights.

**LEGAL REFERENCE:****EDUCATION CODE**

233.5 Teaching of principles

33540 Standards for government and civics instruction

37221 Commemorative exercises including anniversary of U.S. Constitution

48205 Absence from school for jury duty or precinct board service

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**INSTRUCTION**

**6142.3**

51210 Courses of study, grades 1-6  
51220 Courses of study, grades 7-12

**ELECTIONS CODE**

12302 Precinct boards, appointment of students

**UNITED STATES CODE, TITLE 20**

6711-6716 Education for Democracy Act

**UNITED STATES CODE, TITLE 36**

101-144 Patriotic observances

**MANAGEMENT RESOURCES**

**CSBA PUBLICATIONS**

School Board Leadership: The Role and Function of California's School Boards, 1996

**FEDERAL REGISTER**

77 Fed. Reg. 29727 Constitution Day and Citizenship Day

**AMERICAN BAR ASSOCIATION PUBLICATIONS**

Essentials of Law-Related Education, rev. 2003

**CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS**

History-Social Science Content Standards

**CENTER FOR CIVIC EDUCATION PUBLICATIONS**

Education for Democracy: California Civic Education Scope & Sequence, 2003  
National Standards for Civics and Government, 1994

**NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS (NAEP) PUBLICATIONS**

1998 Civics Report Card for the Nation, November 18, 1999

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**INSTRUCTION**

**6142.3**

**WEBSITES**

CSBA: <http://www.csba.org>

American Bar Association, Law-Related Education Projects: <http://www.abanet.org/publiced/lre>

American Political Science Association: <http://www.apsanet.org>

Bill of Rights Institute: <http://www.billofrightsinstitute.org>

California Association of Student Leaders: <http://www.casl1.org>

California Council for the Social Studies: <http://www.ccss.org>

Center for California Studies: <http://www.csus.edu/calst>

Center for Civic Education: <http://www.civiced.org>

## INSTRUCTION

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~~6142.5/AR-1~~

### ~~ENVIRONMENTAL AWARENESS~~

~~District and site environmental awareness plans shall address management of natural resources and shall encourage staff and students to participate in those plans by:~~

- ~~1. Cooperating in the District's conservation efforts.~~
- ~~2. Offering Life and Physical Science courses at the middle school level.~~
- ~~3. Offering Earth & Space Science, Biology, Chemistry, Environmental Science, AP Biology, AP Chemistry, and AP Environmental Science courses at the high school level.~~
- ~~4. Posting notices about environmental/community awareness events, such as beach clean-up days.~~
- ~~5. Providing opportunities to observe alternative energy in use at district facilities.~~

**INSTRUCTION****6142.6****VISUAL AND PERFORMING ARTS EDUCATION**

The Governing Board believes that visual and performing arts are essential to a well-rounded educational program and should be an integral part of the course of study offered to students at all grade levels. The district's arts education program shall provide opportunities for creation, performance, and appreciation of the arts.

The Board shall adopt academic standards for dance, music, theatre, and visual arts that describe the skills, knowledge, and abilities that students shall be expected to possess at each grade level. The district's standards shall meet or exceed state standards for each of these disciplines.

The Superintendent or designee shall develop a sequential curriculum for dance, music, theatre, and visual arts which is consistent with the state curriculum framework and includes the following strands:

1. Artistic perception: processing, analyzing, and responding to sensory information through the use of language and skills unique to each arts discipline
2. Creative expression: composing, arranging, and performing a work and using a variety of means to communicate meaning and intent in one's own original works
3. Historical and cultural context: understanding the historical contributions and cultural dimensions of an arts discipline
4. Aesthetic valuing: analyzing and critically assessing works of dance, music, theatre, and visual arts
5. Connections, relationships, and applications: connecting, comparing, and applying what is learned in one arts discipline to learning in the other arts, other subject areas, and careers

The Board shall adopt standards-based instructional materials for visual and performing arts in accordance with applicable law, Board policy, and administrative regulation, which may incorporate a variety of media and technologies.

As appropriate, the Superintendent or designee shall provide a standards-based professional development program designed to increase teachers' knowledge of and ability to teach the arts and to implement adopted instructional materials.

The Superintendent or designee shall encourage the integration of community arts resources into the educational program. Such resources may include opportunities for students to attend musical and theatrical performances, observe the works of accomplished artists, and work directly with artists-in-residence and volunteers. In addition, the Superintendent or designee may collaborate with community organizations to share resources and seek grant opportunities.

The Superintendent or designee shall regularly evaluate the implementation of arts education at each grade level and report to the Board regarding its effectiveness in enabling students to meet academic standards.

## INSTRUCTION

6142.6

### LEGAL REFERENCE:

### EDUCATION CODE

8950-8957 California summer school of the arts  
32060-32066 Toxic art supplies  
35330-35332 Field trips  
51210 Course of study, grades 1-6  
51220 Course of study, grades 7-12  
51225.3 Graduation requirements  
58800-58805 Specialized secondary programs  
60200-60210 Instructional materials, elementary schools  
60400-60411 Instructional materials, high schools  
99200-99206 Subject matter projects

### MANAGEMENT RESOURCES:

### CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS

Visual and Performing Arts Framework for California Public Schools: Kindergarten through Grade Twelve, 2004

Visual and Performing Arts Content Standards, January 2001

Arts Education Program Toolkit: A Visual and Performing Arts Program Assessment Process, 2001

### WEBSITES

CSBA: <http://www.csba.org>  
Arts Education Partnership: <http://aep-arts.org>  
California Alliance for Arts Education: <http://www.artsed411.org>  
California Arts Council: <http://www.cac.ca.gov>  
California Art Education Association: <http://www.caea-arteducation.org>  
California Dance Education Association: <http://www.cdeadance.org>  
California Department of Education, Visual and Performing Arts: <http://www.cde.ca.gov/ci/vp>  
California Educational Theatre Association: <http://www.cetoweb.org>  
California Music Educators Association: <http://www.calmusiced.com>  
The California Arts Project: <http://csmp.ucop.edu/tcap>



**INSTRUCTION****6142.7****PHYSICAL EDUCATION AND ACTIVITY**

The Governing Board recognizes the positive benefits of physical activity on student health and academic achievement. The district shall provide all students the opportunity to be physically active on a regular basis through high-quality physical education instruction and may provide additional opportunities for physical activity throughout the school day. The district's physical education and activity programs shall support the district's coordinated student wellness program and encourage students' lifelong fitness.

The district's physical education program shall provide a developmentally appropriate sequence of instruction aligned with the state's model content standards and curriculum framework. The Superintendent or designee shall ensure that the district's program provides students with equal opportunities for instruction and participation regardless of gender in accordance with law.

The Board shall approve the courses in grades 9-12 for which physical education credit may be granted.

The district's physical education program shall engage students in moderate to vigorous physical activity, as defined in the accompanying administrative regulation, for at least 50 percent of class or session time. The Superintendent or designee shall develop strategies to monitor the amount of moderate to vigorous physical activity that takes place in the physical education instructional program.

Students with disabilities shall be provided instruction in physical education in accordance with their individualized education program or Section 504 accommodation plan.

During air pollution episodes, extreme weather, or other inclement conditions, physical education staff shall make appropriate adjustments to the program or shall seek alternative indoor space to enable students to participate in active physical education.

**STAFFING**

Physical education instruction shall be delivered by appropriately credentialed teachers who may be assisted by instructional aides, paraprofessionals, and/or volunteers.

The district shall provide physical education teachers with continuing professional development, including classroom management and instructional strategies designed to keep students engaged and active and to enhance the quality of physical education instruction and assessment.

**PHYSICAL FITNESS TESTING**

The Superintendent or designee shall annually administer the physical fitness test designated by the State Board of Education to students in grades 5, 7, and 9.

**TEMPORARY EXEMPTIONS**

## **INSTRUCTION**

**6142.7**

The Superintendent or designee may grant a temporary exemption from physical education under either of the following conditions:

1. The student is ill or injured and a modified program to meet his/her needs cannot be provided.
2. The student is enrolled for one-half time or less.

### **Two-Year Exemptions**

With the student's consent, the Superintendent or designee may exempt a student from physical education courses for any two years during grades 10-12 provided that the student has satisfactorily met at least five of the six standards of the state's physical fitness test in grade 9.

Upon request by students and/or their parents/guardians, the Superintendent or designee may administer the physical fitness test to students in grades 10-12 who need to pass the test in order to qualify for a two-year exemption from physical education courses.

### **PERMANENT EXEMPTIONS**

The Superintendent or designee may grant a permanent exemption from physical education to an individual student under any of the following conditions:

1. The student is age 16 years or older and has been enrolled in grade 10 for one or more academic years.
2. The student is enrolled as a postgraduate student.
3. The student is enrolled in a juvenile home, ranch, camp, or forestry camp school with scheduled recreation and exercise.

### **Other Exemptions**

The Superintendent or designee may grant an exemption from physical education under the following special circumstances:

1. The student in grades 10-12 is excused for up to 24 clock hours in order to participate in automobile driver training.
2. The student in grades 10-12 attends a regional occupational center or program and attendance in physical education courses results in hardship because of the travel time involved.
3. The student is in high school and is engaged in a regular school-sponsored interscholastic athletic program carried on wholly or partially after regular school hours.

### **ADDITIONAL OPPORTUNITIES FOR PHYSICAL ACTIVITY**

## **INSTRUCTION**

**6142.7**

The Superintendent or designee shall develop strategies to supplement physical education instruction with additional opportunities for students to be physically active before, during, and after the school day.

### **PROGRAM EVALUATION**

The Superintendent or designee shall annually report to the Board the results of the state physical fitness testing for each school and applicable grade level and any other data agreed upon by the Board and the Superintendent or designee to evaluate program quality and the effectiveness of the district's program in meeting goals for physical activity.

### **LEGAL REFERENCE:**

### **EDUCATION CODE**

[33126](#) School accountability report card  
[33350-33354](#) CDE responsibilities re: physical education  
[35256](#) School accountability report card  
[49066](#) Grades; physical education class  
[51210](#) Course of study, grades 1-6  
[51220](#) Course of study, grades 7-12  
[51222](#) Physical education  
[51223](#) Physical education, elementary schools  
[51241](#) Temporary, two-year or permanent exemption from physical education  
[51242](#) Exemption from physical education for athletic program participants  
[52316](#) Excuse from attending physical education classes  
[60800](#) Physical performance test

### **CODE OF REGULATIONS, TITLE 5**

[1040-1048](#) Physical performance test  
[3051.5](#) Adapted physical education for individuals with exceptional needs  
[10060](#) Criteria for high school physical education programs

### **UNITED STATES CODE, TITLE 29**

[794](#) Rehabilitation Act of 1973, Section 504

### **UNITED STATES CODE, TITLE 42**

[1758b](#) Local wellness policy

### **ATTORNEY GENERAL OPINIONS**

53 Ops.Cal.Atty.Gen. 230 (1970)

## **INSTRUCTION**

**6142.7**

Management Resources:

### **CSBA PUBLICATIONS**

Active Bodies, Active Minds: Physical Activity and Academic Achievement, Fact Sheet, February 2010

Maximizing Opportunities for Physical Activity Through Joint Use of Facilities, Policy Brief, rev. February 2010

Maximizing Opportunities for Physical Activity During the School Day, Fact Sheet, November 2009

Moderate to Vigorous Physical Activity in Physical Education to Improve Health and Academic Outcomes, Fact Sheet, November 2009

Building Healthy Communities: A School Leader's Guide to Collaboration and Community Engagement, 2009

Physical Education and California Schools, Policy Brief, rev. October 2007

Monitoring for Success: Student Wellness Policy Implementation Monitoring Report and Guide, 2007

Student Wellness: A Healthy Food and Physical Activity Policy Resource Guide, rev. April 2006

### **CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS**

Physical Education Framework for California Public Schools: Kindergarten Through Grade 12, 2009

Physical Education Model Content Standards for California Public Schools: Kindergarten Through Grade 12, January 2005

Adapted Physical Education Guidelines for California Schools, 2003

### **CENTER FOR DISEASE CONTROL AND PREVENTION PUBLICATIONS**

School Health Index for Physical Activity and Healthy Eating: A Self-Assessment and Planning Guide for Elementary and Middle/High Schools, 2000

### **UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLICATIONS**

2008 Physical Activity Guidelines for Americans, October 2008

### **WEBSITES**

CSBA: <http://www.csba.org>

California Department of Education, Physical Fitness Testing: <http://www.cde.ca.gov/ta/tg/pf>

## INSTRUCTION

6142.7

California Healthy Kids Resource Center: <http://www.californiahealthykids.org>

California Project LEAN (Leaders Encouraging Activity and Nutrition): <http://www.californiaprojectlean.org>

Centers for Disease Control and Prevention: <http://www.cdc.gov>

Educational Data System, California physical fitness: <http://www.eddata.com/projects/current/cpf>

Healthy People 2010: <http://www.healthypeople.gov>

National Association for Sport and Physical Education: <http://www.aahperd.org/naspe>

President's Council on Physical Fitness and Sports: <http://www.fitness.gov>

The California Endowment: <http://www.calendow.org>

U.S. Department of Health and Human Services: <http://www.health.gov>

**INSTRUCTION****6142.8****COMPREHENSIVE HEALTH EDUCATION**

The Governing Board believes that health education should foster the knowledge, skills, and attitudes that students need in order to lead healthy lives and avoid high-risk behaviors. The district's health education program shall be part of a coordinated school health system which supports the well-being of students and is linked to district and community services and resources.

Goals for the district's health education program shall be designed to promote student wellness and shall include, but not be limited to, goals for nutrition education and physical activity.

The district shall provide a planned, sequential, research-based, and developmentally appropriate health education curriculum for students in grades K-12 which is aligned with the state's content standards and curriculum framework. The Superintendent or designee shall determine the grade levels and subject areas in which health-related topics will be addressed, in accordance with law, Board policy, and administrative regulation.

As appropriate, the Superintendent or designee shall involve school administrators, teachers, school nurses, health professionals representing various fields of health care, parents/guardians, community-based organizations, and other community members in the development, implementation, and evaluation of the district's health education program. Health and safety professionals may be invited to provide related instruction in the classroom, school assemblies, and other instructional settings.

The Superintendent or designee shall provide professional development as needed to ensure that health education teachers are knowledgeable about academic content standards and effective instructional methodologies.

The Superintendent or designee shall provide periodic reports to the Board regarding the implementation and effectiveness of the district's health education program which may include, but not be limited to, a description of the district's program and the extent to which it is aligned with the state's content standards and curriculum framework, the amount of time allotted for health instruction at each grade level, and student achievement of district standards for health education.

**LEGAL REFERENCE:****EDUCATION CODE**

8850.5 Family relationships and parenting education

35183.5 Sun protection

49413 First aid training

49430-49434 Pupil Nutrition, Health and Achievement Act of 2001

49490-49494 School breakfast and lunch programs

49500-49505 School meals

51202 Instruction in personal and public health and safety

51203 Instruction on alcohol, narcotics and dangerous drugs

51210 Areas of study

## **INSTRUCTION**

**6142.8**

[51210.8](#) State content standards for health education

[51220.5](#) Parenting skills; areas of instruction

[51260-51269](#) Drug education

[51513](#) Personal beliefs

[51880-51881.5](#) Health education, legislative findings and intent

[51890-51891](#) Comprehensive health education programs

[51913](#) District health education plan

[51920](#) Inservice training, health education

[51930-51939](#) Comprehensive sexual health and HIV/AIDS prevention education

### **CALIFORNIA CODE OF REGULATIONS, TITLE 5**

[11800-11801](#) District health education plan

### **UNITED STATES CODE, TITLE 42**

[1758b](#) Local wellness policy

### **MANAGEMENT RESOURCES:**

#### **CSBA PUBLICATIONS**

Asthma Management in the Schools, Policy Brief, March 2008

Monitoring for Success: Student Wellness Policy Implementation Monitoring Report and Guide, 2007

Physical Education and California Schools, Policy Brief, rev. October 2007

Promoting Oral Health for California's Students: New Roles, New Opportunities for Schools, Policy Brief, March 2007

Sun Safety in Schools, Policy Brief, July 2006

Student Wellness: A Healthy Food and Physical Activity Policy Resource Guide, rev. April 2006

#### **AMERICAN ASSOCIATION FOR HEALTH EDUCATION PUBLICATIONS**

National Health Education Standards: Achieving Excellence, 2007

#### **CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS**

Health Education Content Standards for California Public Schools, Kindergarten Through Grade Twelve, 2008

Health Framework for California Public Schools: Kindergarten Through Grade Twelve, 2003

## INSTRUCTION

6142.8

### WEBSITES

CSBA: <http://www.csba.org>

American Association for Health Education: <http://www.aahperd.org>

American School Health Association: <http://www.ashaweb.org>

California Association of School Health Educators: <http://www.cashe.org>

California Department of Education, Health Education: <http://www.cde.ca.gov/ci/he>

California Department of Public Health: <http://www.cdph.ca.gov>

California Healthy Kids Resource Center: <http://www.californiahealthykids.org>

California Subject Matter Project, Physical Education-Health Project: <http://csmp.ucop.edu/cpehp>

Center for Injury Prevention Policy and Practice: <http://www.cipp.org>

Centers for Disease Control and Prevention: <http://www.cdc.gov>

National Center for Health Education: <http://www.nche.org>

National Hearing Conservation Association: <http://www.hearingconservation.org>



**INSTRUCTION****6142.91****READING / LANGUAGE ARTS INSTRUCTION**

-The Governing Board recognizes that reading and other language arts constitute the basic foundation for learning in other areas of study. The Board desires to offer a comprehensive, balanced reading/language arts program that ensures all students have the skills necessary to read fluently and for meaning and develops students' appreciation for literature. The program shall integrate reading and oral and written language arts activities in order to build effective communication skills.

For each grade level, the Board shall adopt academic standards that meet or exceed Common Core State Standards in the following strands:

1. Reading: Foundational skills, text complexity and analysis, and the growth of comprehension
2. Writing: Text types, responding to reading, production and distribution of writings, and research
3. Speaking and listening: Oral language development, comprehension, flexible communication, and collaboration
4. Language: Conventions, effective use, knowledge of language, and vocabulary

The Superintendent or designee shall ensure that the district's reading/language arts program offers sufficient access to standards-aligned textbooks and other instructional materials. The program shall provide instructional materials of varying levels of difficulty, including fiction and nonfiction works, so that students are continually reading at an appropriate level. In addition, technology should be available to support all areas of literacy.

Teachers are expected to use a variety of instructional strategies to accommodate the needs of beginning readers and the varying abilities of more advanced readers. The program shall provide ongoing diagnosis of students' skills and, as needed, may provide supplementary instruction during the school day and/or outside the regular school session to assist students who are experiencing difficulty learning to read.

The Superintendent or designee shall make available professional development opportunities that are designed to provide instructional staff with knowledge about how students develop language skills, the ability to analyze students' literacy levels, and mastery of a variety of instructional strategies and materials.

The Superintendent or designee shall provide the Board with data from state and district reading assessments and program evaluations to enable the Board to monitor program effectiveness.

**LEGAL REFERENCE:****EDUCATION CODE**

41505-41508 Pupil Retention Block Grant

41530-41532 Professional Development Block Grant

## **INSTRUCTION**

**6142.91**

[44735](#) Teaching as a Priority Block Grant  
[44755-44757.5](#) Teacher Reading Instruction Development Program, K-3  
[51210](#) Areas of study, grades 1-6  
[51220](#) Areas of study, grades 7-12  
[60119](#) Sufficiency of textbooks and instructional materials  
[60200.4](#) Fundamental skills  
[60207](#) Curriculum frameworks  
[60350-60352](#) Core reading program instructional materials  
[60605](#) State-adopted content and performance standards in core curricular areas  
[60605.8](#) Common Core standards  
[99220-99221](#) California Reading Professional Development Institutes  
[99230-99242](#) Mathematics and Reading Professional Development Program (AB 466 trainings)

### **CODE OF REGULATIONS, TITLE 5**

[9535](#) Purchase of nonadopted core reading program instructional materials  
[11980-11985](#) Mathematics and Reading Professional Development Program (AB 466 trainings)  
[11991-11991.2](#) Reading First achievement index

### **UNITED STATES CODE, TITLE 20**

[6381-6381k](#) Even Start Family Literacy Program  
[6383](#) Improving literacy through school libraries

Management Resources:

### **CSBA PUBLICATIONS**

Governing to the Core, Governance Briefs

### **CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS**

California Common Core State Standards: English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects, March 2013

Common Core State Standards for English Language Arts, August 2010

English Language Arts/English Language Development Framework for California Public Schools: Kindergarten Through Grade Twelve

Recommended Literature: Kindergarten Through Grade Twelve

### **WEB SITES**

CSBA: <http://www.csba.org>

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**INSTRUCTION**

**6142.91**

California Department of Education, Reading/Language Arts: <http://www.cde.ca.gov/ci/rl>

## INSTRUCTION

**6142.92**

### MATHEMATICS INSTRUCTION

The Governing Board desires to offer a rigorous mathematics program that progressively develops the knowledge and skills students will need to succeed in college and career. The district's mathematics program shall be designed to teach mathematical concepts in the context of real-world situations and to help students gain a strong conceptual understanding, a high degree of procedural skill and fluency, and ability to apply mathematics to solve problems.

For each grade level, the Board shall adopt academic standards for mathematics that meet or exceed the Common Core State Standards. The Superintendent or designee shall develop or select curricula that are aligned with these standards and the state curriculum framework.

The district's mathematics program shall address the following standards for mathematical practices which are the basis for mathematics instruction and learning:

1. Overarching habits of mind of a productive mathematical thinker: Making sense of problems and persevering in solving them; attending to precision
2. Reasoning and explaining: Reasoning abstractly and quantitatively; constructing viable arguments and critiquing the reasoning of others
3. Modeling and using tools: Modeling with mathematics; using appropriate tools strategically
4. Seeing structure and generalizing: Looking for and making use of structure; looking for and expressing regularity in repeated reasoning

In addition, the program shall be aligned with grade-level standards for mathematics content.

For grades K-8, content shall address, at appropriate grade levels, counting and cardinality, operations and algebraic thinking, number and operations in base ten, fractions, measurement and data, geometry, ratios and proportional relationships, functions, expression and equations, the number system, and statistics and probability. Students shall learn the concepts and skills that prepare them for the rigor of higher mathematics.

For higher mathematics, the district shall offer a pathway of courses through which students shall be taught concepts that address number and quantity, algebra, functions, modeling, geometry, and statistics and probability.

The Superintendent or designee shall ensure that certificated staff have opportunities to participate in professional development activities designed to increase their knowledge and skills in effective mathematics teaching practices.

The Superintendent or designee shall ensure that students have access to sufficient instructional materials, including manipulatives and technology, to support a balanced, standards-aligned mathematics program.

## **INSTRUCTION**

**6142.92**

The Superintendent or designee shall provide the Board with data from state and district mathematics assessments and program evaluations to enable the Board to monitor program effectiveness.

### **LEGAL REFERENCE:**

### **EDUCATION CODE**

51210 Areas of study, grades 1-6

51220 Areas of study, grades 7-12

51224.5 Algebra in course of study for grades 7-12

51225.3 High school graduation requirements

51284 Financial literacy

60605 State-adopted content and performance standards in core curricular areas

60605.8 Common Core standards

### **Management Resources:**

### **CSBA PUBLICATIONS**

Governing to the Core, Governance Briefs

### **CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS**

Mathematics Framework for California Public Schools: Kindergarten Through Grade Twelve, 2013

California Common Core State Standards: Mathematics, rev. January 2013

### **COMMON CORE STATE STANDARDS INITIATIVE PUBLICATIONS**

Appendix A: Designing High School Mathematics Courses Based on the Common Core State Standards

### **WEB SITES**

CSBA: <http://www.csba.org>

California Department of Education: <http://www.cde.ca.gov>

Common Core State Standards Initiative: <http://www.corestandards.org/math>

**INSTRUCTION****6142.93****-SCIENCE INSTRUCTION**

The Governing Board believes that science education should focus on giving students an understanding of key scientific concepts and a capacity for scientific ways of thinking. Students should become familiar with the natural world and the interrelation of science, mathematics and technology. As part of their science instruction, students should learn how to apply scientific knowledge and ways of thinking for individual and social purposes.

As a matter of principle, science teachers are professionally bound to limit their teaching to content that meets the criteria of scientific fact, hypothesis and theory as these terms are used in natural sciences. A scientific fact is an understanding based on confirmable observations and is subject to test and rejection. A scientific hypothesis is an attempt to frame a question as a testable proposition. A scientific theory organizes and explains a range of natural phenomena on the basis of facts and hypotheses. Scientific theories are constantly subject to testing, modification and refutation as new evidence and new ideas emerge.

Philosophical and religious theories are based, at least in part, on faith, and are not subject to scientific test and refutation. Such beliefs shall not be discussed in science classes, but may be addressed in the social science and language arts curricula.

**LEGAL REFERENCE:****EDUCATION CODE**

51210 Areas of study, grades 1 through 6

51220 Areas of study, grades 7 through 12

**MANAGEMENT RESOURCES****CDE PUBLICATIONS**

Science Framework for California Public Schools, 1990

**SBE POLICIES**

Policy Statement on the Teaching of Natural Sciences, January 13, 1989

**INSTRUCTION****6142.94****HISTORY-SOCIAL SCIENCE INSTRUCTION**

The Governing Board believes that the study of history and other social sciences is essential to prepare students to engage in responsible citizenship, comprehend complex global interrelationships, and understand the vital connections among the past, present, and future. The district's history-social science education program shall be designed to develop students' knowledge of historical events within a chronological and geographic context and shall include, at appropriate grade levels, instruction in American and world history, geography, economics, political science, anthropology, psychology, and sociology.

The Board shall adopt academic standards for history-social science which meet or exceed state content standards and describe the knowledge and skills that students shall be expected to achieve at each grade level.

The Superintendent or designee shall develop a comprehensive, sequential curriculum that is aligned with the district standards and is consistent with the state's curriculum framework. At each grade level, the curriculum shall integrate age-appropriate instruction designed to develop student achievement in the following areas:

1. Knowledge and cultural understanding, including historical, ethical, cultural, geographic, economic, and sociopolitical literacy
2. Democratic understanding and civic values, including an understanding of national identity; constitutional heritage; and an individual's civic values, rights, and responsibilities
3. Skills attainment and social participation, including basic study skills, critical thinking skills, and participation skills that are essential for effective citizenship

The district's history-social science curriculum shall include a multicultural education component which is designed to teach students to respect and appreciate cultural diversity and different points of view while also developing their understanding of commonalities and collective experiences. The curriculum shall reflect the experiences of men and women and of various cultural, ethnic, racial, religious, and social groups and their contributions to the history, life, and culture of the local community, California, the United States, and other nations.

The Board shall adopt standards-aligned instructional materials for history-social science in accordance with applicable law, Board policy, and administrative regulation. In addition, teachers are encouraged to supplement the curriculum through the use of biographies, original documents, diaries, letters, legends, speeches, other narrative artifacts, and literature from and about the period being studied.

The Superintendent or designee shall provide a standards-based professional development program designed to increase teachers' knowledge of adopted instructional materials and instructional strategies for teaching history-social science.

## ITEM 16A-L

**INSTRUCTION****6142.94**

The Superintendent or designee shall regularly evaluate and report to the Board regarding the implementation and effectiveness of the history-social science curriculum at each grade level, including, but not limited to, the extent to which the program is aligned with state standards, any applicable student assessment results, and feedback from students, parents/guardians, and staff regarding the program.

**LEGAL REFERENCE:****EDUCAITON CODE**

33540 History-social science curriculum framework  
51204 Course of study designed for student's needs  
51204.5 History of California; contributions of men, women, and ethnic groups  
51210 Course of study, grades 1-6  
51220 Course of study, grades 7-12  
51220.2 Instruction in legal system; teen or peer court programs  
51221 Social science course of study, inclusion of instruction in use of natural resources  
51221.3-51221.4 Instruction on World War II and Vietnam War; use of oral histories  
51225.3 High school graduation requirements  
60040-60051 Criteria for instructional materials  
60119 Public hearing on the sufficiency of instructional materials  
60200-60206 Instructional materials, grades K-8  
60400-60411 Instructional materials, grades 9-12  
60640-60649 California Assessment of Student Performance and Progress  
99200-99206 Subject matter projects

**MANAGEMENT RESOURCES:****CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS**

History-Social Science Framework for California Public Schools, Kindergarten Through Grade Twelve, rev. 2005

Model Curriculum for Human Rights and Genocide, 2000

History-Social Science Content Standards for California Public Schools, Kindergarten Through Grade Twelve, October 1998

**WEBSITES**

CSBA: <http://www.csba.org>

California Council for the Humanities: <http://www.calhum.org>

California Council for the Social Studies: <http://www.ccss.org>



## **INSTRUCTION**

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**6142.94**

California Department of Education: <http://www.cde.ca.gov>

California History-Social Science Course Models: <http://www.history.ctaponline.org>

California Subject Matter Project: <http://csmp.ucop.edu>

National Association for Multicultural Education: <http://www.nameorg.org>

National Council for History Education: <http://www.nche.net>

**INSTRUCTION****62006146.1****HIGH SCHOOL GRADUATION REQUIREMENTS**

Because graduation from high school provides students with opportunities for postsecondary education and/or employment, the Governing Board desires to prepare each student to obtain a diploma of high school graduation.

## I. Course Requirements\*

To obtain a diploma of graduation from high school, students shall complete at least the following courses in grades 9 through 12, with each course being one year unless otherwise specified: [\(Education Code 51225.3\)](#)

- A. A total of 230 semester periods of credit earned in grades 9 - 12.
- B. Included within the 230 credits that students must earn are:
  1. Four courses of English in grades 9-12: English 9, English 10, English 11, English 12 or ESL Equivalent.
  2. Three courses of Mathematics in grades 9 - 12. One course of the mathematics requirement may be earned by passing a college preparatory course (Geometry, Algebra II) in grade 8. In grades 9 - 12, one course of the mathematics requirement may be earned in a department other than the Mathematics Department. Beginning with the graduating class of 2003-2004, Algebra I, **Integrated Math I** (or a course equivalent) will be required for graduation (SB 1354). Algebra / **Integrated Math I** may be taken prior to high school and still meet the SB1354 criteria.
  3. Two courses of Science in grades 9 - 12. One year of science study must be completed in both a physical and a biological science.
  4. One course of World Civilization in grades 9 - 10.
  5. One course of United States History in grade 11
  6. One semester of American Government in grade 12.
  7. One semester of Economics or Consumer Economics in grade 12.
  8. Four semesters of Physical Education in grades 9 - 10.\*\* ~~The California Health curriculum will be integrated into the 9<sup>th</sup> grade P.E. course, beginning with the 2008-09 school year, and the graduating class of 2012.~~
  9. ~~Beginning with the class of 2003-2004, 2 semesters~~ **One year** of Visual and Performing Arts (see UC/CSU admission rules).

**INSTRUCTION****62006146.1**

10. One year of a ~~Practical Art~~/Career Technical Education (CTE) course, ~~beginning with the graduating class of 2012.~~

- \* The Board of Trustees delegates to the Superintendent the authority to waive a high school graduation requirement when it is necessary to meet an individual student's need and is not in conflict with the California Education Code.
- \*\* Tenth grade students with scheduling conflicts may meet the second year requirement in subsequent years with Principal's approval.

Because the prescribed course of study may not accommodate the needs of some students, the Board shall provide alternative means for the completion of prescribed courses in accordance with the law.

**THE CALIFORNIA HIGH SCHOOL EXIT EXAM ~~FOR THE CLASSES OF 2006 AND LATER~~**

~~Beginning in the 2005-06 school year and each year thereafter,~~ Each student completing grade 12 shall successfully pass the state exit examinations in language arts and mathematics as a condition of high school graduation.

**For students with disabilities, waivers and / or exemptions apply (BP / AR 6162.52)**

Supplemental instruction shall be offered to any student who does not demonstrate "sufficient progress" toward passing the exit examination. ~~(Education Code 37252, 60851)~~

**LEGAL REFERENCE:****EDUCATION CODE**

37252	Supplemental instructional program
37254	Supplemental instruction based on failure to pass exit exam by end of grade 12
37254.1	Required student participation in supplemental instruction
47612	Enrollment in charter school
48200	Compulsory attendance
48412	Certificate of Proficiency
48430	Continuation education schools and classes
48645.5	Acceptance of coursework
48980	Required notification at beginning of term
49701	Interstate Compact on Educational Opportunity for Military Children
51224	Skills and knowledge required for adult life
51224.5	Algebra instruction
51225.1	Exemption from district graduation requirements
51225.2	Pupil in foster care defined; acceptance of coursework, credits, retaking of course
51225.3	High school graduation
51228	Graduation requirements
51240-51246	Exemptions from requirements
51250-51251	Assistance to military dependents

**INSTRUCTION**

**62006146.1**

- 51410-51412 Diplomas
- 51420-51427 High school equivalency certificates
- 51450-51455 Golden Seal Merit Diploma
- 51745 Independent study restrictions
- 56390-56392 Recognition for educational achievement, special education
- 60850-60859 High school exit examination
- 66204 Certification of high school courses as meeting university admissions criteria

**CODE OF REGULATIONS, TITLE 5**

- 1600-1651 Graduation of students from grade 12 and credit toward graduation

**COURT DECISIONS**

O'Connell v. Superior Court (Valenzuela), (2006) 141 Cal.App.4<sup>th</sup> 1452

**MANAGEMENT RESOURCES:**

**WEBSITES:**

CSBA: <http://www.csba.org>

California Department of Education, High School: <http://www.cde.ca.gov/ci/gs/hs>

University of California, List of Approved a-g Courses:  
<http://www.universityofcalifornia.edu/admissions/freshman/requirements>

**San Dieguito Union High School District**

*Page 3 of 3*

*Policy Adopted: July 22, 1982*

*Policy Revised: May 16, 1991*

*Policy Revised: January 16, 1997*

*Policy Revised: August 17, 2000*

*Policy Revised: January 18, 2001*

*Policy Revised: October 2, 2003*

*Policy Revised: November 8, 2007*

*Policy Draft: January 15, 2015 (1<sup>st</sup> read)*

~~SAN DIEGUITO UNION HIGH SCHOOL DISTRICT~~

~~Policy Adopted: July 22, 1982~~

~~Policy Revised: May 16, 1991~~

~~Policy Reviewed: January 16, 1997~~

~~Policy Revised: August 17, 2000~~

~~Policy Revised: January 18, 2001~~

~~Policy Revised: October 2, 2003~~

**INSTRUCTION****6200-6146.1 / AR-1****HIGH SCHOOL GRADUATION REQUIREMENTS**

Requirements for graduation and specified alternative means for completing the prescribed course of study shall be made available to students, parents/guardians and the public. (Education Code 51225.3)

Students shall not be required to have resided within the district for any minimum length of time as a condition of high school graduation. (Education Code 51411)

**CALIFORNIA HIGH SCHOOL EXIT EXAMINATION FOR THE CLASSES OF 2006 AND LATER**

At the beginning of each school year or at the time a student transfers into the district, the Board shall provide written notification to all students in grades 9 through 12 and to their parents/guardians that, starting in the 2005-06 school year and each year thereafter, each student completing the 12<sup>th</sup> grade shall be required to successfully pass the state's high school exit examination as a condition of graduation.

~~The notification shall~~

**The notification shall** include, at a minimum, the dates of the examination, the requirements for passing the examination, and the consequences of not passing the examination. (Education Code 48980, 60850)

When students do not demonstrate sufficient progress toward passing the exit examination, supplemental instruction offered by the district shall be designed to assist students to succeed on the exit examination and shall reflect statewide academic standards to the extent that the district has aligned its curriculum with those standards. (Education Code 60851)

Supplemental instruction shall include summer school instructional programs for students in grades 7 through 12 who do not demonstrate sufficient progress toward passing the exit examination. (Education Code 37252)

All students must pass the California High School Exit Exam (CAHSEE) to receive a high school diploma including students with disabilities. Students are permitted to take the test with accommodations or modifications specified for the CAHSEE if indicated in the student's Individualized Education Program (IEP) or Section 504 Plan. Students who take the CAHSEE with modifications will not receive a valid score. However, at the request of a parent or guardian, a school principal may submit a request for a waiver to the District Board of Trustees for a student with a disability who took the CAHSEE with modifications and received the equivalent of a passing score on one or both parts of the CAHSEE. The Board may waive the requirement to pass one or both parts of the exam if the student has met the requirements listed in California Education Code Section 60851c.

At the discretion of the Superintendent or designee, a student who has not passed the California High School Exit Exam and has met all other graduation requirements may participate in graduation exercises without receiving his/her diploma. When the California High School Exit Exam requirement has been satisfied, the student will be granted his/her diploma.

## INSTRUCTION

6200-6146.1 / AR-1

### MIDDLE SCHOOL STUDENTS TAKING HIGH SCHOOL LEVEL COURSES

1. Students may enroll in ~~both~~ world language **and Integrated Math I** ~~and Geometry and Algebra II~~ as part of their middle school courses. The course of study taken at the middle schools is comparable to those same levels which are taken at the high school level; therefore, middle school world language **and Integrated Math I** ~~and/or Geometry and Algebra II~~ classes fulfill the entrance requirement for the University of California and State University systems.
2. Students who take world language, as eighth graders are eligible for entry into the next level at the high school if they possess suggested prerequisites.
3. No high school credit will be granted for courses taken at the middle school; however, the course(s) may be used for college entrance requirements.
4. Students in Grade 8 may take and receive credit for advanced courses at the high school. Enrollment in these courses is on a space-available basis with approval of both the high school and middle school principals.

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 23, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Corrie Amador  
Director of Classified Personnel  
Torrie Norton  
Associate Superintendent/Human Resources

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** **ADOPTION/APPROVAL OF RESCINDMENT OF BOARD POLICIES 4216.3-02.1 THROUGH 4216.3-91.1, CLASSIFIED CLASSIFICATION DESCRIPTIONS & DESIGNATE PERSONNEL COMMISSION AS CUSTODIAN OF RECORD**

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### EXECUTIVE SUMMARY

As per Education Code 45109, the Board of Trustees has the responsibility to prescribe the duties to be performed by all persons in the classified service and other positions not requiring certification qualifications. In partnership, the Personnel Commission is then responsible to classify the vacancy, prescribe the minimum educational and work experience requirements for the classification and maintain the classification plan. Following this process, the Personnel Commission then provides the final job description to the Board of Trustees as information in accordance with Rule 3.8.D.

We have a process in place for employees and/or management to inform the Director of Classified Personnel when a new classification needs to be created or when an existing classification needs to be updated. Personnel Commission staff then research the request and prepare a report for the Classification Advisory Committee. Employees and management representatives are invited to attend the committee meeting to answer questions and respond to any proposals. Proposed new classifications or revisions to job descriptions are then submitted to the Personnel Commission for approval, and employees and management are invited to attend the meeting. Finally, the classification is submitted to the Board for first read and subsequent adoption as policy.

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In merit system school districts, job descriptions are created and maintained by the Personnel Commission and are not included as board policy. In order to align our practice with Education Code and Personnel Commission Rules, we are recommending rescinding the class descriptions from board policy with recognition of the Personnel Commission as the custodian of the documents. To ensure communication between the Personnel Commission and the Board of Trustees, following action taken by the Personnel Commission, the Director of Classified Personnel will prepare a report for the Board as an information item to include a copy of the job description.

**RECOMMENDATION:**

It is recommended that the Board adopt/approve the rescindment of Board Policies 4216.3-02.1 through 4216.3-91.1 (classified job descriptions) from board policy, and designate the Personnel Commission as the custodian of record for such documents.

**FUNDING SOURCE:**

N/A



# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 26, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** John Addleman, Director of Planning Services  
Eric Dill, Assoc. Superintendent, Business

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** APPROVAL OF AGREEMENTS FOR INVESTMENT  
BANKING/UNDERWRITER SERVICES /  
PROPOSITION AA

-----

### EXECUTIVE SUMMARY

The two agreements (18-A/B) pertain to the District's second General Obligation (GO) Bond Series B. Stifel, Nicolaus & Company, Inc. (Stifel) and J.P. Morgan Securities LLC (J.P. Morgan) were selected through a competitive bid process to provide bond underwriter services. The District received seven proposals from a highly qualified pool of bidders. Interviews were conducted with four firms who exhibited the highest standard of service and expertise.

The purpose of the bond underwriter is to coordinate with the financial advisor on bond sizing and pricing, assisting in the preparation of all documentation for bond issuance, assisting the district through the rating process, and marketing the bonds for successful sale.

Staff recommends the selection of Stifel and J.P. Morgan as the proposed bond underwriter syndicate for the Prop AA General Obligation Bond Series B bond issue. It is recommended that Stifel serve as Senior Manager and J.P. Morgan as co-manager. In addition to the selection of the underwriters, the Board is also being asked to consider a not to exceed fee of 0.20%. The fee may be further reduced as a result of further discussions and market conditions at the time of pricing the 2015 issuance.

### RECOMMENDATION:

It is recommended that the Board approve the professional services contracts and authorize Christina M. Bennett, Eric R. Dill, or Rick Schmitt to execute the following agreements:

- A. Stifel, Nicolaus & Company, Inc., to provide investment banking/bond underwriting services for District General Obligation Bond Series B, during the period February 6, 2015 through completion, subject to a negotiated underwriting discount prior to bond issue not to exceed 0.2% of the bond issue, to be expended from future bond issue.

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- B. J.P. Morgan Securities LLC, to provide bond underwriting services for District General Obligation Bond Series B, during the period February 6, 2015 through completion, subject to a negotiated underwriting discount prior to bond issue not to exceed 0.2% of the bond issue, to be expended from future bond issue.

**FUNDING SOURCE:**

To be expended from future Prop AA General Obligation Bond Series B issuance

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 22, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** John Addleman, Director of Planning  
Eric Dill, Assoc. Supt. of Business Services

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** **ADOPTION OF RESOLUTION / FINAL  
MITIGATED NEGATIVE DECLARATION /  
LA COSTA VALLEY SITE**

-----

### EXECUTIVE SUMMARY

Interested members of the public, the State Office of Planning and Research, and other parties were provided with a draft Initial Study/Mitigated Negative Declaration (MND) for the proposed La Costa Valley Site project located within the City of Carlsbad (Project).

The La Costa Valley site (site) is located at 2275 Calle Barcelona along the south side of Calle Barcelona east of El Camino Real in the City of Carlsbad within a residential neighborhood. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. South and east of the site is the community of Rancho Ponderosa. Regional access is provided to the site via Interstate 5 and the Leucadia Boulevard exit eastward to El Camino Real and northward to Calle Barcelona.

The site is vacant and was mass-graded for a future middle school as part of developing the Arroyo La Costa Master Plan (1990) MP 88-01 in 1999. The site is heavily disturbed, with all of the native vegetation having been removed by the mass grading activities, leaving large areas of bare soil.

The purpose and need of the proposed project has evolved from a middle school to an athletic facility. The Arroyo La Costa Master Plan (MP 88-01) specified use of the site as a junior high school (middle school) to meet projected student enrollment. However, the middle school enrollment in the area plateaued and the District's existing middle schools

were able to accommodate students. As a result the development of the site for a middle school to serve the community has been placed on hold. The site has remained vacant for approximately 15 years. As part of the District's master planning process, the District reached out to the community to solicit input regarding alternate uses for the site and the community recommended it be developed as an athletic facility to support the local high schools.

Based on the community input and District needs, the vision for the La Costa Valley site is to create an athletic facility that serves the District's athletic program needs and provides a community resource until such time as a new middle school facility is necessary. The project would serve the JV and freshman baseball teams from La Costa Canyon High School and San Dieguito High School Academy, as well as lacrosse and soccer from San Dieguito High School Academy, which lacks the appropriate space for practice. These students are currently using the baseball field at Diegueno Middle School and the lower field at Oak Crest Middle School.

The La Costa Valley Site Master Plan (MVE Institutional 2012) describes the Project as the development of a multi-purpose building, parking, and athletic fields located on a 28 acre site. The athletic fields include two baseball fields, a softball field, and three soccer and lacrosse fields. The project also includes three parking lots – the sports, upper and lower lots. A restroom is planned adjacent to the sports lot parking lot.

The District was in receipt of a comment letter from the Department of Fish and Wildlife. The District has reviewed the comment letter and has determined that the conclusions and mitigation for the proposed project would not change as a result of the comment letter. No substantial edits or revisions to the Public Review Draft MND have been made. The comment letter and response can be found in the appendix.

As part of this Mitigation Negative Declaration, a mitigation monitoring reporting program (MMRP) was prepared for the District for the Project (Section Six). This monitoring program will serve a dual purpose of verifying completion of the mitigation measures for the proposed project and generating information on the effectiveness of the mitigation measures to guide future decisions. As part of the approval process, the District is required to adopt the MMRP to ensure effective implementation of mitigation measures.

### **RECOMMENDATION:**

It is recommended that the Board adopt the attached resolution adopting the Final Mitigated Negative Declaration for the La Costa Valley Site, for which an Initial Study was Prepared, All in Accordance with the California Environmental Quality Act, as amended, and Adopting a Related Mitigation Monitoring and Reporting Program, and making findings and certification thereto.

### **FUNDING SOURCE:**

Not applicable.

**RESOLUTION OF THE  
BOARD OF TRUSTEES OF THE  
SAN DIEGUITO HIGH SCHOOL DISTRICT  
ADOPTING THE FINAL MITIGATED NEGATIVE DECLARATION  
FOR THE  
LA COSTA VALLEY SITE, FOR WHICH AN INITIAL STUDY WAS  
PREPARED, ALL IN ACCORDANCE WITH THE CALIFORNIA  
ENVIRONMENTAL QUALITY ACT, AS AMENDED, AND ADOPTING A  
RELATED MITIGATION MONITORING AND REPORTING PROGRAM, AND  
MAKING FINDINGS AND CERTIFICATIONS THERETO**

WHEREAS, the BOARD OF TRUSTEES OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT (DISTRICT), has received the Final Mitigated Negative Declaration for the LA COSTA VALLEY SITE (located at 2275 Calle Barcelona in the City of Carlsbad) and:

WHEREAS, the Arroyo La Costa Master Plan (MP 88-01) specified use of the site as a junior high school (middle school) to meet projected student enrollment, and

WHEREAS, the middle school enrollment in the area plateaued and the DISTRICT's existing middle schools were able to accommodate students, and

WHEREAS, as part of the DISTRICT's master planning process, the DISTRICT reached out to the community to solicit input regarding alternate uses for the site and the community recommended it be developed as an athletic facility to support the local high schools; La Costa Canyon High School and San Dieguito High School Academy, and

WHEREAS, the purpose and need of the La Costa Valley Site has evolved from a middle school to an athletic facility, and

WHEREAS, based on the community input and DISTRICT needs, the vision for the La Costa Valley site is to create an athletic facility that serves the District's athletic program needs and provides a community resource until such time as a new middle school facility is necessary, and

WHEREAS, it is the desire and obligation of the DISTRICT to provide such facilities to meet the needs of the San Dieguito High School District Community, and

WHEREAS, the DISTRICT is the Lead Agency pursuant to the California Environmental Quality Act (CEQA), and the District has, in its capacity as Lead Agency, retained the services of a professional consultant to prepare the Initial Study/Mitigated Negative Declaration, and

WHEREAS, the Initial Study/Mitigated Negative Declaration has been prepared for the proposed Project and has been submitted for review by interested members of the public, responsible and trustee agencies, the State Office Planning and Research, and other parties, and a Final Mitigated Negative Declaration prepared, and

WHEREAS, the Initial Study/Mitigated Negative Declaration concluded that implementation of the Project could result in a number of significant effects on the environment and identified mitigation measures that would reduce each of those significant effects to a less-than-significant level, and

WHEREAS, in connection with the approval of a project involving the preparation of an initial study/mitigated negative declaration that identifies one or more significant environmental effects, CEQA requires the decision-making body of the lead agency to incorporate feasible mitigation measures that would reduce those significant environmental effects to a less-than-significant level, and

WHEREAS, whenever a lead agency approves a project requiring the implementation of measures to mitigate or avoid significant effects on the environment, CEQA also requires a lead agency to adopt a mitigation monitoring and reporting program to ensure compliance with the mitigation measures during project implementation, and such a mitigation monitoring and reporting program has been prepared for the Project for consideration, and

WHEREAS, each of the individual members of the BOARD OF TRUSTEES OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT has reviewed said Initial Study/Mitigated Negative Declaration, and the whole record before it including any and all comments received during public review, and related Mitigation Monitoring and Reporting Program for the Project;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT BASED ON THE WHOLE RECORD BEFORE IT AS FOLLOWS:

THAT THE BOARD OF TRUSTEES OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT does hereby make the following findings:

A. Declaration of Review of the Initial Study/Mitigated Negative Declaration, and Certification of completeness of the Initial Study/Mitigated Negative Declaration.

1. It is hereby found, determined and certified that it is the determination of the BOARD OF TRUSTEES OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT acting in its capacity as Lead Agency that an Initial Study/Mitigated Negative Declaration dated November 21, 2014, has been prepared for the Project, has been completed in compliance with CEQA, and is consistent with state and local guidelines implementing CEQA;

B. Declaration of Independent Judgment and Conclusions

BE IT FURTHER RESOLVED, that the GOVERNING BOARD OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT, having reviewed and analyzed the Initial Study/Mitigated Negative Declaration, based on the whole record before it does find that said Initial Study/Mitigated Negative Declaration reflects the independent judgment of the DISTRICT, acting in its capacity as Lead Agency for the project; and

C. Specification of the Location and Custodian of the Agency's Record

BE IT FURTHER RESOLVED by the GOVERNING BOARD OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT that the Associate Superintendent of Business Services is designated as the custodian of documents and records on which this decision is based.

BE IT FURTHER RESOLVED that the documents and material constituting the record of all proceedings upon which its decision to adopt this MITIGATED NEGATIVE DECLARATION is based shall be maintained at the San Dieguito Union High School District Planning and Construction offices, at 684 Requeza Street, Encinitas, California 92024, and available for inspection by any interested person.

THAT THE BOARD OF TRUSTEES OF THE SAN DIEGUITO UNION HIGH SCHOOL DISTRICT does hereby find that based upon the entire record of proceedings before it and all information received that there is no substantial evidence that the Project will have a significant effect on the environment and does hereby adopt the Mitigated Negative Declaration and related Mitigation Monitoring and Reporting Program prepared for the Project.

ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_ 2015, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

---

Beth Hergesheimer, Board President,  
San Dieguito Union High School District

FINAL  
INITIAL STUDY /  
MITIGATED NEGATIVE DECLARATION

LA COSTA VALLEY SITE

Prepared for

San Dieguito Union High School District  
710 Encinitas Blvd  
Encinitas, CA 92024

URS Project No. 27653117

January 2015

**URS**

4225 Executive Square, Suite 1600  
La Jolla, CA 92037  
858.812.9292 Fax: 858.812.9293



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List of Acronyms and Abbreviations

AB	Assembly Bill
AB 32	Global Warming Solutions Act
ADT	Average Daily Traffic
amsl	above mean sea level
ATSM	American Society for Testing and Materials
bgs	below ground surface
BMP	Best Management Practice
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emission Estimator Model
CalEPA	California Environmental Protection Agency
Cal Fire	California Department of Forestry and Fire Protection
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CBC	California Building Code
CDE	California Department of Education
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CH <sub>4</sub>	methane
CMP	Congestion Management Program
CNEL	Community noise equivalent level
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
dBA	A-weighted decibels
DTSC	Department of Toxic Substances Control
DPM	Diesel Particulate Matter
District	San Dieguito Union High School District
ESA	Environmental Site Assessment
FINDS	Facility Index System Database
GHG	greenhouse gasses
GSF	gross square feet
GWP	Global Warming Potential
HFCs	hydrofluorocarbons
HMP	Habitat Management Plan
HVAC	Heating, Ventilating and Air Conditioning
I-5	Interstate 5
IS	Initial Study
JV	junior varsity
KV	kilovolt
Leq	equivalent continuous noise level

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## List of Acronyms and Abbreviations

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LOS	Level of Service
mgd	million gallons per day
mg/kg	milligrams per kilogram
MHPA	Multiple Habitat Planning Area
MLD	Most Likely Descendant
MND	Mitigated Negative Declaration
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO <sub>x</sub>	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
O <sub>3</sub>	ozone
OCP	organochlorine pesticides
Pb	lead
PEA	Preliminary Endangerment Assessment
PFCs	perfluorocarbons
PM <sub>10</sub>	Particulate matter up to 10 micrometers in diameter
ppm	parts per million
PM <sub>2.5</sub>	Particulate matter up to 2.5 micrometers in diameter
RAQS	Regional Air Quality Strategy
RCRA	Resource Conservation and Recovery Act
RWQCB	Regional Water Quality Control Board
SANDAG	San Diego Association of Governments
SARA	Superfund Amendments and Reauthorization Act
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDCWA	San Diego County Water Authority
SDUHSD	San Dieguito Union High School District
SF <sub>6</sub>	sulfur hexafluoride
SIP	State Implementation Plan
SO <sub>2</sub>	sulfur dioxide
SUSMP	Countywide Model Standard Urban Stormwater Mitigation Plan
SWMP	San Dieguito Union High School District Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
TAC	Toxic Air Contaminant
UBC	Uniform Building Code
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
WQTR	Water Quality Technical Report

## SECTION ONE

## Mitigated Negative Declaration

**SECTION 1 MITIGATED NEGATIVE DECLARATION****Subject: La Costa Valley Site**

- I. Project Description:** The project would design and construct an athletic facility that serves the San Dieguito Union High School District (District) athletic program needs, and provides a community resource until such time as a new middle school facility is necessary. The project would serve the junior varsity (JV) and freshman baseball teams from La Costa Canyon High School and San Dieguito High School Academy, as well as lacrosse and soccer from San Dieguito High School Academy which lacks the appropriate space for practice. These students are currently using the baseball field at Diegueno Middle School and the lower field at Oak Crest Middle School. The project would be situated on approximately 28 acres. The project includes athletic fields, a multi-purpose building, parking, and restrooms, illustrated on the project site plan. The athletic fields include two baseball fields, a softball field, and three soccer and lacrosse fields. The multi-purpose building would be designed to hold indoor athletics and District and community events. The three parking lots—the sports, upper and lower lots—would provide necessary parking. A restroom building is planned adjacent to the sports lot parking lot. The project site is vacant and was mass-graded for a future middle school in 1999 as part of developing the Arroyo La Costa Master Plan (1990) MP 88-01. The project site is not included on any list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.
- II. Environmental Setting:** See attached Initial Study.
- III. Determination:** The proposed project may result in potential impacts associated with Aesthetics, Biology, Hydrology and Water Quality, and Transportation/Traffic. Mitigation measures would be implemented to reduce these impacts to a less than significant level.
- IV. Documentation:** The attached Initial Study documents the reasons to support the determination discussed above.
- V. Mitigation Measures:** See attached Mitigation Monitoring and Reporting Program.
- VI. Public Review Distribution:** The following individuals, organizations, and agencies received a copy or notice of the Draft Initial Study and Mitigated Negative Declaration and were invited to comment on its adequacy and sufficiency:

Federal Government

United States Fish and Wildlife Service

State of California

Department of Fish and Wildlife, Region 5

Native American Heritage Commission

Department of Toxic Substances Control

Regional Water Quality Control Board, Region 9

Department of Transportation, District 11

State Clearinghouse

Local Agencies

City of Carlsbad Planning Department

City of Carlsbad Building Division

City of Carlsbad Fire Department

City of Carlsbad Public Works Department

# SECTION ONE

## Mitigated Negative Declaration

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City of Carlsbad Municipal Water District  
San Diego County Clerk's Office

Native American Bands

- La Jolla Band of Mission Indians
- Pala Band of Mission Indians
- Pauma and Yuima Band of Mission Indians
- Pechanga Band of Mission Indians
- Rincon Band of Mission Indians
- San Luis Rey Band of Mission Indians

Other

- San Diego County Archaeological Society
- San Diego Gas & Electric

**VII. Results of Public Review:**

- ( ) No comments were received during the public input period.
- ( ) Comments were received but did not address the Draft Mitigated Negative Declaration finding or the accuracy/completeness of the Initial Study. No response is necessary. The letters are attached.
- (X) Comments addressing the findings of the Draft Mitigated Negative Declaration and/or accuracy or completeness of the Initial Study were received during the public input period. Responses were prepared to each letter. The letters and responses follow.

The Initial Study and Mitigated Negative Declaration are available for review at the San Dieguito Union High School District Office, 710 Encinitas Boulevard, Encinitas, CA 92024.

  
 \_\_\_\_\_  
 John Addleman, Director of Planning Services  
 San Dieguito Union High School District

November 21, 2014  
 \_\_\_\_\_  
 Date of Draft Report

January 26, 2015  
 \_\_\_\_\_  
 Date of Final Report

# SECTION TWO

## Introduction

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### **SECTION 2 INTRODUCTION**

San Dieguito Union High School District (District) proposes to design and construct athletic fields, a multi-purpose building, and parking at the La Costa Valley site. These actions are collectively referred to as the project. The project would be situated on approximately 28 acres located along the south side of Calle Barcelona east of El Camino Real in the City of Carlsbad.

#### **2.1 PROJECT BACKGROUND**

The project site is located within the La Costa Master Plan. The La Costa Master Plan (MP 149) was adopted by the City in 1972 and has undergone several amendments since that time. In 1990, the La Costa Master Plan was amended (Amendment MP-149(O)) to delete all portions of it that refer to the area previously known as La Costa Southwest (now Arroyo La Costa), and subsequently developed as “La Costa Valley.” Concurrent with Amendment MP-149(O), the Arroyo La Costa Master Plan and Environmental Impact Report (EIR 86-2) were prepared for the southwest area, which is where the project site is located. The Arroyo La Costa Master Plan includes approximately 528 acres located in the south central part of Carlsbad, bounded to the west by El Camino Real, to the south by Olivenhain Road and the existing Rancho Ponderosa subdivision, to the east by Rancho Santa Fe Road and existing single family development to the north within the City of Carlsbad. The Master Plan consists of 16 residential Villages, nine Open Space Planning areas, two school sites, and a church site. The project site is located within the Arroyo La Costa Master Plan area on one of the designated school sites.

The Arroyo La Costa Master Plan implements the City of Carlsbad's General Plan and Municipal Code by providing guidelines and standards for the full development of all phases of the project; by requiring facilities and services consistent with the regulations and ordinances of the City's Local Facilities Management Plan (LFMP) for Zone 12; and by ensuring that all City standards and requirements are met in a consistent and uniform manner.

#### **2.2 CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE**

The District is the lead agency pursuant to the California Environmental Quality Act (CEQA) and is responsible for analyzing and approving the proposed project Initial Study (IS)/Mitigated Negative Declaration (MND) document. The District has determined that an MND is the appropriate environmental document to be prepared in compliance with CEQA. This finding is based on the Initial Study Checklist and Discussion of Environmental Impacts (Section 5). As provided for by CEQA Statute Section 21064.5, an MND may be prepared for a project subject to CEQA when the project will not result in significant environmental impacts that cannot be mitigated to a level below significance.

This draft MND has been prepared by the District, as the lead agency, and in conformance with CEQA Guidelines Section 15070(a). The purpose of the MND and the IS is to determine the potential significant impacts associated with the construction of the project and incorporate mitigation measures into the project design as necessary to reduce or eliminate the significant or potentially significant effects of the project.



## SECTION TWO

## Introduction

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### **2.3 OTHER AGENCIES THAT MAY USE THE MITIGATED NEGATIVE DECLARATION AND INITIAL STUDY**

This MND is intended to be used by responsible and trustee agencies that may have review authority over the project. The District will obtain all permits as required by law and is the lead agency for this project. The Regional Water Quality Control Board (RWQCB) would be a responsible agency for this project because the RWQCB would be required to issue a Construction Activities Storm Water General Permit for this project.

### **2.4 PUBLIC REVIEW PROCESS**

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

In reviewing the MND and IS, affected public agencies and interested public were asked to focus on the sufficiency of the document in identifying and analyzing the possible impacts on the environment and ways in which the significant effects of the project are proposed to be avoided or mitigated.

Comments on the MND were solicited in writing before the end of the comment period. A 30-day comment period commenced on November 28, 2014 and ended on December 29, 2014.

This MND and associated appendices were made available for review on the District web site. The web address is <http://www.sduhsd.net/About-SDUHSD/Department-Listing-/Facilities-Planning-and-Construction/Prop-AA/index.html>.

During the public comment period, the MND and appendices were also made available for review during regular business hours at the following location:

San Dieguito Union High School District  
684 Requeza Street  
Encinitas, CA 92024  
(Phone: 760-753-6491x5310)

Information regarding the IS/MND, including the District hearing, may also be directed to:

John Addleman  
Director of Planning Services  
San Dieguito Union High School District  
684 Requeza Street  
Encinitas, CA 92024

Email: [john.addleman@sduhsd.net](mailto:john.addleman@sduhsd.net)

# SECTION THREE

## Project Description

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### SECTION 3 PROJECT DESCRIPTION

#### 3.1 PROJECT LOCATION AND SITE

The La Costa Valley site (site) is located along the south side of Calle Barcelona east of El Camino Real in the City of Carlsbad within a residential neighborhood. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. South and east of the site is the community of Rancho Ponderosa. Regional access is provided to the site via Interstate 5 and the Leucadia Boulevard exit eastward to El Camino Real and northward to Calle Barcelona (Figures 3-1 through 3-3).

The site is vacant and was mass-graded for a future middle school as part of developing the Arroyo La Costa Master Plan (1990) MP 88-01 in 1999. The site is heavily disturbed, with all of the native vegetation having been removed by the mass grading activities, leaving large areas of bare soil.

#### 3.2 PURPOSE AND NEED

The purpose and need of the proposed project has evolved from a middle school to an athletic facility. The Arroyo La Costa Master Plan (MP 88-01) specified use of the site as a junior high school (middle school) to meet projected student enrollment. However, the middle school enrollment in the area plateaued and the District's existing middle schools were able to accommodate students. As a result the development of the site for a middle school to serve the community has been placed on hold. The site has remained vacant for approximately 15 years. As part of the District's master planning process, the District reached out to the community to solicit input regarding alternate uses for the site and the community recommended it be developed as an athletic facility to support the local high schools.

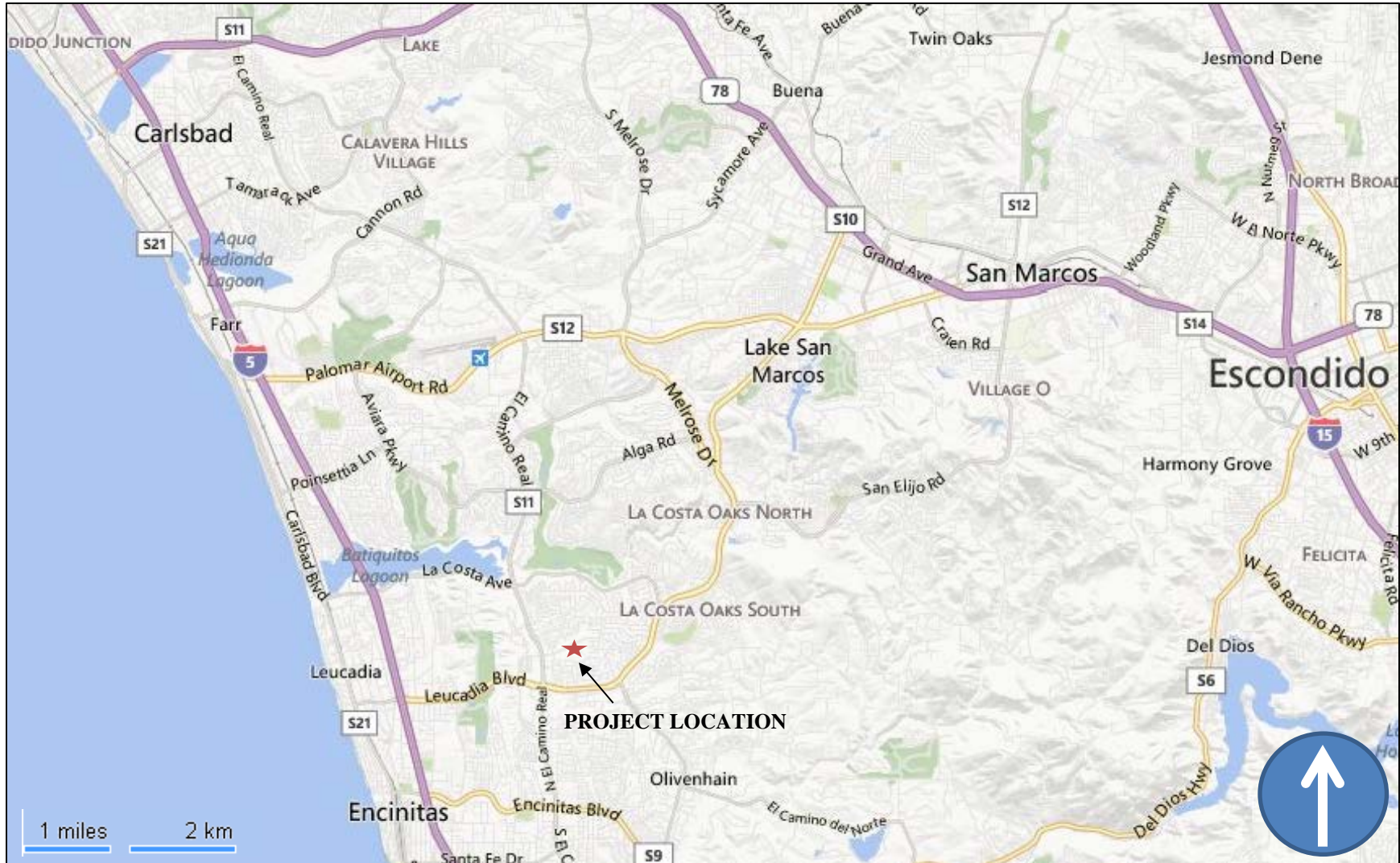
Based on the community input and District needs, the vision for the La Costa Valley site is to create an athletic facility that serves the District's athletic program needs and provides a community resource until such time as a new middle school facility is necessary. The project would serve the JV and freshman baseball teams from La Costa Canyon High School and San Dieguito High School Academy, as well as lacrosse and soccer from San Dieguito High School Academy, which lacks the appropriate space for practice. These students are currently using the baseball field at Diegueno Middle School and the lower field at Oak Crest Middle School.

#### 3.3 PROJECT DESCRIPTION

The La Costa Valley Site Master Plan (MVE Institutional 2012) describes the project as the development of a multi-purpose building, parking, and athletic fields (project) (Figure 3-4) located on a 28 acre site. The athletic fields include two baseball fields, a softball field, and three soccer and lacrosse fields. The project also includes three parking lots – the sports, upper and lower lots. A restroom is planned adjacent to the sports lot parking lot.

# SECTION THREE

## Project Description



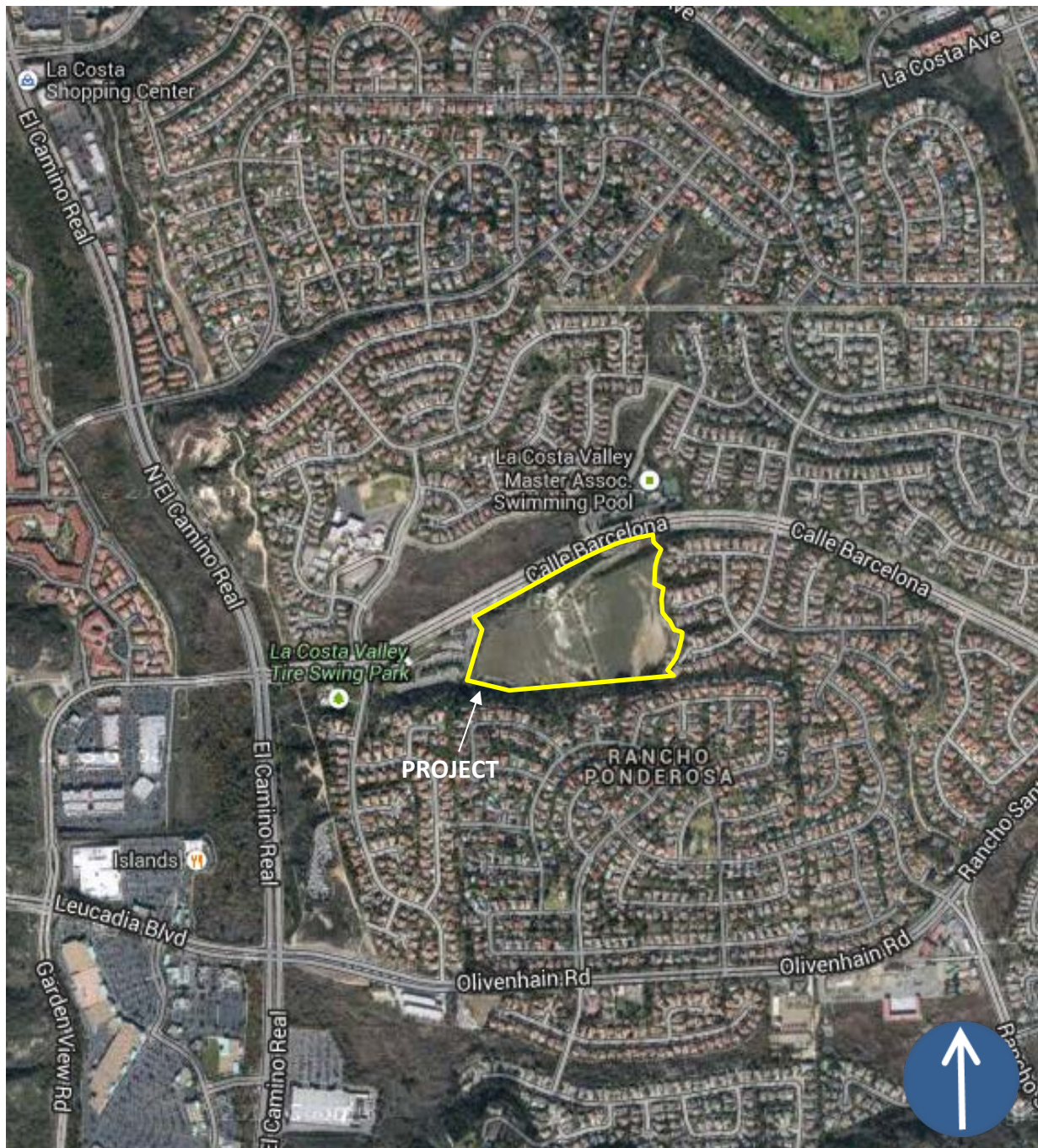
Source: Microsoft Maps 2013

## REGIONAL LOCATION

Figure 3-1

# SECTION THREE

## Project Description



No scale.  
Source: Google Maps 2013

# SECTION THREE

## Project Description



No scale.  
Source: Google Maps 2013

## SECTION THREE

## Project Description

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### 3.3.1 Project Phasing

The project would be built in two phases. The athletic fields would be constructed first as part of Phase I, followed by the multi-purpose building as part of Phase II. Likewise, the parking lots would be phased beginning with the sports lot, lower lot, and part of the upper lot during Phase I. The larger part of the upper lot would be completed once the multi-purpose building is constructed as part of Phase II.

Phase I is proposed to begin in the fall of 2014 and be completed by the fall of 2015, while the construction of Phase II is expected to begin in the summer of 2017 and be completed by fall of 2018. High school students would begin using the athletic fields in the fall of 2015. The multi-purpose building, to be built as part of the second phase of construction, would be available for occupancy in fall of 2018.

Figure 3-4 shows the overall project site plan, while Figures 3-5 and 3-6 show more detailed illustrations of the upper and lower lot parking lots and sports lot parking lot, respectively. Figure 3-7 is a conceptual design of the multi-purpose building that shows shaded areas available for students and community members to congregate during events. Figure 3-8 is the site plan for the multi-purpose building.

### 3.3.2 Proposed Uses

The site would be an athletic facility for school athletics. The construction timeline of the project has been split into two phases.

Phase I construction includes:

- Grading activities;
- Athletic fields;
- Sports Lot and Lower Lot parking lots;
- Part of the Upper Lot parking lot; and
- Restrooms.

Phase II construction includes:

- Multi-Purpose Building; and
- Remaining part of the Upper Lot.

Each building and its facilities and ball fields are described in greater detail below.

#### 3.3.2.1 Phase I

The activities to be performed as part of Phase I are as follows:

**Site Grading:** Part of the 28 acre site would require minor grading to construct the athletic fields, parking lots, restrooms, and the multi-purpose building. The site was previously graded so only minor grading is anticipated for the project.

## SECTION THREE

## Project Description

**Athletic Fields:** Part of the site would be graded and developed as athletic fields for District students (Figure 3-4). The following fields would be constructed during Phase I:

- Two baseball fields with batting cages, dugouts, pitcher’s bullpens, and spectator seating for JV and freshman baseball teams;
- Softball field; and
- Three Soccer and Lacrosse fields

No field lighting is proposed.

**Parking Lots:** Three parking lots would support the project (Figures 3-4 through 3-6). The sports lot (northwest corner of the site) and lower lot (northern portion of the site) would be paved during Phase I, as well as part of the upper lot (northeast corner of the site). Once the multi-purpose building is constructed as part of Phase II, the remainder of the upper lot would be paved. The sports lot would have 33 parking spaces located adjacent to the lower fields and restrooms. The lower lot would have 56 parking spaces located adjacent to the multi-purpose building. The upper lot would have 115 spaces. LED light fixtures would be provided for parking lot lighting in all three parking lots. Shade trees would line the parking lots and roads within the site as shown on Figures 3-5 and 3-6.

**Restrooms:** A restroom building would be constructed at the lower athletic fields adjacent to the sports lot parking lot. The building would serve students and community members using the lower athletic fields and would have separate male and female restrooms that would comply with American’s with Disabilities Act (ADA) accessibility guidelines. Figures 3-4 and 3-6 show the restrooms in relation to the lower athletic fields and the sports lot parking lot. A list of the athletic fields and their size is provided in Table 3-1.

**Table 3.3-1  
Athletic Field Dimensions**

Athletic Field	Distances (in feet)		
	Left Field	Center Field	Right Field
Baseball Field (lower field, west)	275	350	275
Baseball Field (lower field, center)	270	335	270
Softball Field (upper field)	200	200	200
	<b>Length</b>	<b>Width</b>	-
Soccer and Lacrosse (lower field)	330	195	-
Soccer and Lacrosse (upper field)	330	165	-
Soccer and Lacrosse (upper field)	330	165	-

## SECTION THREE

## Project Description

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### 3.3.2.2 Phase II

The Phase II construction activities are as follows:

**Multi-Purpose Building:** The multi-purpose building would provide indoor athletic opportunities and a space to conduct indoor school and community activities. Boy's and girl's changing rooms would be constructed, with sufficient wall backing available for the installation of lockers in future construction, but not built as part of the project. The building would have a lobby, men's and women's restrooms, kitchenette, and stage in addition to one full-length basketball court which could also be used as two smaller courts. The building would include offices, control room, storage, and data-electrical room. The building would be approximately 18,600 square feet. Figure 3-7 and 3-8 show a conceptual plan and site plan for the multi-purpose building, respectively.

**Remainder of Upper Lot parking lot:** The larger part of the upper lot parking lot would be completed during Phase II once the multi-purpose building is completed. The upper lot would have 115 spaces. LED light fixtures would be provided for required parking lot lighting. Shade trees would line the upper lot as detailed on Figure 3-5.



# SECTION THREE

## Project Description



No scale.  
Source: MVE Institutional

# SECTION THREE

## Project Description



No scale.  
Source: MVE Institutional 2013

La Costa Valley Upper and Lower Lot Parking Lots

Figure 3-5

# SECTION THREE

## Project Description



No scale.  
Source: MVE Institutional 2013

La Costa Valley Sports Lot Parking Lot

Figure 3-6

## SECTION THREE

## Project Description



No scale.  
Source: MVE Institutional 2013

# SECTION THREE

## Project Description



No scale.  
Source: MVE Institutional 2013

La Costa Valley Multi-Purpose Site Plan

Figure 3-8

## SECTION THREE

## Project Description

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### 3.3.3 Site Access

**Vehicular Access:** The site would be accessed from Calle Barcelona using an existing driveway. As part of the project the driveway would be improved. The driveway would lead up to the graded part of the site to access the three parking lots (Figure 3-4). The three parking lots would provide a total of 204 parking spaces. The lower and upper lot parking lots would provide a combined 171 parking spaces, located adjacent to the multi-purpose building (Figure 3-5). The sports lot would provide parking adjacent to the restrooms, the lower soccer and lacrosse field, and the two baseball fields. The sports lot would provide 33 parking spaces (Figure 3-6). An access road from the sports lot located between the two baseball fields to the southern portion of the site would be maintained for City of Carlsbad access to a stormwater detention basin at the southern end of the site (Figure 3-4).

**Pedestrian Access:** Pedestrian access to the site would come from the footbridge that spans Calle Barcelona and connects the La Costa Valley Master Association recreation facility to the site. Access would also come from a sidewalk situated adjacent to the south side of Calle Barcelona connecting to the onsite walkway at the main entrance to the site. The closest bus stop is located near the corner of Calle Barcelona and El Camino Real, approximately 3,200 feet from the entrance to the site.

### 3.3.4 Stormwater Runoff

The project would accommodate stormwater runoff through a collection, bio-retention, treatment and discharge system. The existing four man-made desilting basins designed to drain into the riparian area north of Calle Barcelona would be removed and replaced with seven new bio-retention basins proposed for the project. Runoff from the impervious portions of the site would be designed to flow to these seven bio-retention basins (Figures 3-4 through 3-6). The runoff from the multi-purpose building area would flow west and east to adjacent retention basins, while runoff from the lower athletic fields would flow to a bio-retention basin adjacent to the western end of the sports parking lot. Runoff associated with the upper and lower lot parking lots would flow to four bio-retention basins. Each of the seven bio-retention basins would be designed to provide stormwater treatment for low flows while allowing the 50-year storm to bypass into the storm drain system. Collected stormwater would discharge to the storm drain pipe network to the creek area north of Calle Barcelona. The stormwater in each of the bio-retention basins would be treated through a bio-filtration process prior to being collected by a perforated subdrain. The storm drain system will convey stormwater flows up to the 50-year storm design into the storm drain and pipe that crosses under Calle Barcelona and discharges into the creek.

### 3.3.5 Sustainability and Energy Conservation

The La Costa Valley Master Plan (MVE Institutional 2012) describes a sustainable design approach for the site. Sustainable design and construction reduces energy and natural resource consumption and promotes design of healthy environments. The following guidelines apply to the project:

1. Site Development
  - a. Utilize drought tolerant native and adaptive plant species that are complimentary to existing surrounding landscape materials except for the athletic fields. Incorporate shade

## SECTION THREE

## Project Description

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trees in new landscape designs to reduce heat island impacts (when shading paved or developed surfaces).

- b. Incorporate high-efficiency/low-water consumption irrigation systems that reduce anticipated irrigation water demand by 50 percent from a baseline irrigation budget that complies with the “California Green Building Standards Code” (CALGreen) requirements.
  - c. Reduce impact on existing storm water infrastructure by retaining and infiltrating and/or reusing runoff onsite when possible.
  - d. New irrigation control systems would incorporate weather- or soil moisture-based monitoring to adjust irrigation time and volume based on actual conditions.
  - e. To reduce the risk of moisture intrusion, design site grading and irrigation systems to channel water away from building perimeters and walkways.
  - f. Site and exterior building lighting fixtures would be full-cutoff luminaires. Non-essential exterior lighting would be turned off by automatic controllers from 11:00 p.m. to the following evening at dusk. Where feasible, essential lighting would be equipped with occupancy sensing controls to reduce power to provide lighting at minimum safety thresholds when areas are unoccupied. Lighting would be ramped up to full power (based on zones) when motion is detected in the vicinity.
  - g. Parking lots and the outside of the multi-purpose building would use LED directional downlights.
2. Domestic Water Efficiency
- a. Interior plumbing fixtures would be selected to reduce domestic water usage by a minimum of 20 percent from calculated baseline standards (a 30 percent reduction is desirable.) Fixtures to consider include, but are not limited to: 1.28 gpf single water closets or dual-flush water closets; 0.128 gpf or water-free urinals; 0.4 gpm lavatory faucets (auto-controls are desirable); 1.8 gpm general purpose / kitchen faucets.
  - b. Where feasible incorporate waste heat recovery systems to capture heat from drainage water to pre-heat domestic water supplies.
3. Energy Efficiency
- a. The project would be designed to perform, at a minimum, 15 percent better than the Title 24 Energy Code base case.
  - b. Incorporate high efficiency mechanical systems.

## SECTION THREE

## Project Description

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### 4. Materials and Resources

- a. Develop and implement a construction waste management plan for the project that diverts a minimum of 75 percent of construction generated debris (excluding green waste and organic land clearing debris) from landfill through recycling, reuse, or donation to charitable organizations. The project must also incorporate provisions to divert 100 percent of green waste and organic land clearing debris from landfill.
- b. Provide clearly marked, and easily accessible, areas for the collection and temporary storage of recyclable materials including, but not limited to, paper, plastic, glass, cardboard and metals.

### 5. Environmental Quality

- a. The multi-purpose building would be designed to maximize daylight access for interior occupied spaces. Top lighting and side lighting strategies would be combined to optimize daylight access for building occupants. Daylighting strategies to be investigated for feasibility include, but are not limited to: exterior-interior light shelves; skylights and monitors; clerestory windows; tubular skylights; light wells.
- b. All HVAC filtration for new equipment would have a minimum efficiency reporting value (MERV) of 8 (MERV 13 is preferred) to improve indoor air quality for occupants.
- c. All janitor closets and areas where chemicals are stored and/or mixed would be constructed with full height (deck to deck) partitions and would have dedicated exhaust-only systems to prevent potential room to room transfer of fumes and/or odors.

### 6. Energy Conservation / LEED

- a. To conserve energy the following minimum design and control methods would be applied.
  - i. High efficiency building envelope, insulation, glass material, etc.
  - ii. Premium efficiency motors for all equipment.
  - iii. Variable volume air systems would be used wherever possible.
  - iv. Variable speed drives for all motors over 2 HP.
  - v. No CFCs would be used in the project.
- b. Energy performance would exceed the 2005 Title 24 CEC requirements.



## SECTION THREE

## Project Description

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### 3.3.6 Project Construction

The site was previously mass-graded. Therefore grading associated with the project would be limited to minor grading. In general, minor grading would take place during Phase I and minor grading and associated utility work would take place prior to construction of the multi-purpose building in Phase II. The finished pad elevation for the lower fields would be approximately 115 feet above mean sea level (amsl) and the pad for the upper fields and building would be approximately 185 feet amsl.

Access to the site by construction vehicles would be via Calle Barcelona and the entry driveway. The staging area for construction materials storage, contractor trailers, and general work area would be onsite. As part of construction activities the District would follow the Best Management Practices (BMPs) identified in the 2006 San Dieguito Union High School District Stormwater Management Plan and the standard dust control measures required by the San Diego Air Pollution Control District. Furthermore, construction would follow sustainable construction guidelines using energy efficient environmental systems, components composed of recycled materials, and installation practices that feature low VOC emissions.

## SECTIONFOUR

## Findings

### SECTION 4 FINDINGS

The District finds that the proposed project would not have a significant adverse effect on the environment based on the Initial Study Checklist (Section 5) and the Discussion of Environmental Impacts (Section 6). Some potentially significant effects have been identified and mitigation measures have been incorporated into the project to ensure that these effects remain at less than significant levels. The mitigation measures are summarized in the Mitigation Monitoring and Reporting Program (Section 7). An MND is therefore proposed to satisfy the requirement of CEQA (PRC 2100 et.seq. 14 Cal Code Regs 1500 et.seq.). This conclusion is supported by the following:

#### No Significant Effect Finding

1. **Aesthetics:** The project would not have a substantial effect on a scenic vista or substantially degrade the existing visual quality of the site. New sources of spillover light and nighttime glare would be mitigated through shielding techniques and by employing an appropriate operational schedule. See Section 5.1, Aesthetics, for additional information.
2. **Agriculture and Forest Resources:** There is no Prime Farmland, Unique Farmland, or Farmland of Statewide Importance located within the project area; no portion of the project is under Williamson Act contract; and no forestry resources occur on the project site. No impacts to agricultural or forestry resources would occur due to project implementation. See Section 5.2, Agriculture and Forest Resources, for additional information.
3. **Air Quality:** Emissions of criteria pollutants during construction and operation of the project would be below the screening level significant thresholds and would result in less than significant impacts to air quality. See Section 5.3, Air Quality, for additional information.
4. **Biological Resources:** The project site has been mass graded and there are no sensitive plants, sensitive vegetation, or potentially jurisdictional waters on the project site. The project does not function as a wildlife corridor. Potentially sensitive wildlife species, however, may occur on the project site. Mitigation measures have been incorporated to reduce these impacts to a less than significant level. See Section 5.4, Biological Resources, for additional information.
5. **Cultural Resources:** The project site has been mass graded. It is unlikely that cultural or paleontological resources would be present within the project site. The project would have a less than significant impact on unknown archaeological or paleontological resources and unknown human remains. See Section 5.5, Cultural Resources, for additional information.
6. **Geology and Soils:** The project site has been mass graded, and therefore past activities have mitigated potentially significant impacts associated with slope instability hazards. The project is anticipated to have a less than significant impact with regards to geology and soils. See Section 5.6, Geology and Soils, for additional information.
7. **Greenhouse Gas Emissions:** Implementation of the project would not generate greenhouse gas (GHG) emissions, either directly or indirectly, that would conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of GHG. Construction and operation practices for the project are consistent with strategies recommended by the California Air Pollution Control Officers Association (CAPCOA), California Climate

## SECTIONFOUR

## Findings

Action Team, and the California Attorney General. Impacts associated with GHG emissions during project construction and operation would be less than significant. See Section 5.7, Greenhouse Gas Emissions, for additional information.

8. **Hazards and Hazardous Materials:** The project site does not contain existing hazardous materials and the project will not create a significant hazard to the public or the environment. The project would not interfere with emergency response and evacuation efforts, and pipelines located within a 1,500-foot radial distance from the site property boundaries have a low likelihood of posing a significant risk. Additionally, the project would not interfere with emergency response and evacuation efforts. Therefore, the project would be a less than significant impact with regards to hazards and hazardous materials. See Section 5.8, Hazards and Hazardous Materials, for additional information.
9. **Hydrology and Water Quality:** Construction of the project has the potential to violate water quality standards, and cause erosion and temporary flooding and runoff. Mitigation measures have been incorporated to reduce these impacts to a less than significant level. See Section 5.9, Hydrology and Water Quality, for additional information.
10. **Land Use and Planning:** The project would not result in impacts associated with land use and planning issues. See Section 5.10, Land Use and Planning, for additional information.
11. **Mineral Resources:** The project would not result in impacts to mineral resources. See Section 5.11, Mineral Resources, for additional information.
12. **Noise:** The project would not result in significant impacts to noise sensitive receptors during construction due to equipment noise and vibration. The City of Carlsbad Noise Guidelines Manual was used to establish the threshold noise level applicable for this project. For outdoor spectator sports, playgrounds, and neighborhood parks, noise levels associated with the project would be acceptable. See Section 5.12, Noise, for additional information.
13. **Population and Housing:** The construction and operation of the project is in response to the District athletic needs and community recreation needs. The project would not induce population growth or require additional housing. Therefore, there would be no impacts to population and housing due to the implementation of the project. See Section 5.13, Population and Housing, for additional information.
14. **Public Services:** The project would not increase the need for public services. The project would not impact existing public services. See Section 5.14, Public Services, for additional information.
15. **Recreation:** The project would construct athletic fields and a multi-purpose building that would be available to the surrounding community. However, mitigation measures have been incorporated so that construction impacts of these facilities would be less than significant. See Section 5.15, Recreation, for additional information.
16. **Transportation and Traffic:** The project would not substantially increase the amount of vehicular traffic or interfere with emergency access to the project. Centerline striping of the project access road, a dedicated left-turn lane, and a stop sign and limit line are included in the

## SECTION FOUR

## Findings

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design plans for the project, and therefore impacts to traffic and transportation would be less than significant. See Section 5.16, Transportation and Traffic, for additional information.

17. **Utilities and Service Systems:** The project would require the extension of existing water and wastewater lines that would have potentially significant environmental effects. Mitigation measures have been incorporated to reduce these impacts to a less than significant level. See Section 5.17, Utilities and Service Systems, for additional information.
18. **Mandatory Findings of Significance:** As discussed Section 5.4, Biological Resources, implementation of the proposed project would result in no significant impacts to biological resources including sensitive plant or wildlife species, sensitive vegetation communities, jurisdictional waters, or wildlife corridors. Further, as discussed in Section 5.5, Cultural Resources, implementation of the proposed project would result in no impacts to historical, paleontological, or known archaeological resources. Regarding unknown archaeological impacts, it is unlikely that implementation of the proposed project would significantly impact these resources due to the amount of ground surface disturbance that has already occurred on the project site. Finally, the project would not degrade the quality of the environment, given the various mitigation measures that have been incorporated into the project.

Based on the discussions provided in Sections 5 and 6, the proposed project would not result in environmental impacts that would cause significant effects on human beings because all potentially significant impacts would be mitigated to a less than significant level.

## SECTION FIVE

## Environmental Initial Study Checklist

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### SECTION 5 ENVIRONMENTAL INITIAL STUDY CHECKLIST

*Project Title:*

La Costa Valley Site

*Lead agency name and address:*

San Dieguito Union High School District  
710 Encinitas Blvd  
Encinitas, CA 92024

*Contact person and phone number:*

John Addleman, Director of Planning Services

760-753-6491; extension 5532

*Project location:*

The project site is located along the south side of Calle Barcelona approximately 1,500 feet east of El Camino Real in the City of Carlsbad.

*Project sponsor's name and address:*

San Dieguito Union High School District  
684 Requeza Street  
Encinitas, CA 92024  
Contact: John Addleman, 760-753-6491; extension 5310

*General plan designation:*

Junior High School

*Zoning:*

Planned Community

*Description of project:*

The La Costa Valley Site Master Plan (MVE Institutional 2012) describes the project as the development of a multi-purpose building, parking, and athletic fields. The project would serve the JV and freshman baseball teams from La Costa Canyon High School and San Dieguito High School Academy, as well as lacrosse and soccer from San Dieguito High School Academy.

**SECTION FIVE****Environmental Initial Study Checklist**

The project would be built in two phases. The athletic fields would be constructed first as part of Phase I, followed by the multi-purpose building as part of Phase II. Likewise, the parking lots would be phased beginning with the sports lot, lower lot, and part of the upper lot during Phase I. The larger part of the upper lot would be completed once the multi-purpose building is constructed as part of Phase II.

Phase I is proposed to begin in the fall of 2014 and be completed by the fall of 2015, while the construction of Phase II is expected to begin in the summer of 2017 and be completed by fall of 2018. High school students would begin using the athletic fields in the fall of 2015. The multi-purpose building, to be built as part of the second phase of construction, would be available for occupancy in fall of 2015.

***Surrounding land uses and setting:***

The La Costa Valley site is located along the south side of Calle Barcelona east of El Camino Real in the City of Carlsbad within a residential neighborhood. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. South and east of the site is the community of Rancho Ponderosa. Regional access is provided to the site via Interstate 5 and the Leucadia Boulevard exit eastward to El Camino Real and northward to Calle Barcelona (Figures 3-1 through 3-3).

***Required approvals:***

District Board of Trustees – Project Approval  
RWQCB - Construction Activities Storm Water General Permit

***Environmental Factors Potentially Affected:***

The environmental factors checked below would be potentially affected by this project (i.e., the project would involve at least one impact that is a “Potentially Significant Impact”).

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

**SECTION FIVE****Environmental Initial Study Checklist****Determination:**

On the basis of this initial evaluation:

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

W Schmitt

Signature

11/21/14

Date

Rick Schmitt, Superintendent

Printed Name

San Dieguito Union High School District

Agency

**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

## SECTION FIVE

## Environmental Initial Study Checklist

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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 tiering, 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 these are available for review.
  - b. Impacts Adequately Addressed. Identify which effects from the 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., campus master plans, 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 a less than significant level.



# SECTION FIVE

## Environmental Initial Study Checklist

### Environmental Issue Areas

A brief explanation of the reasons the applicable column is checked is available following each environmental issue area.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>5.1 AESTHETICS</b>				
Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

**Less Than Significant Impact.** Neither the Carlsbad General Plan nor the Arroyo La Costa Master Plan (City of Carlsbad 1990) identifies any landscape feature near the project site as a key scenic resource. The Arroyo La Costa Master Plan identifies several open space areas with only one of the four visible from the project site north of Calle Barcelona. This area is natural vegetated grassland and drainage. The project would be visible from residential neighborhoods to the north, east, and south, as well as the La Costa Valley Master Community recreation facility to the north and the Coastline Community Church to the west. Because the project would be located on vacant land previously graded for school development, it would alter the visual character of the site by adding development to a man-made topographic pad (see Figure 3-3). However, due to the current generally developed visual characteristics of the area surrounding the site, and the lack of specifically identified scenic vistas, the project would have a less than significant impact on scenic vistas.

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

**No Impact.** Highways in the vicinity of the project include Interstate 5 (I-5) approximately 2.5 miles to the west and State Highway 78, located approximately seven miles to the northeast. None of these facilities are officially designated state scenic highways (Caltrans 2007). Although I-5 is listed as eligible for state scenic highway designation, the project's distance of approximately 2.5 miles from this highway

## SECTION FIVE

## Environmental Initial Study Checklist

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and intervening topography result in the project site not being visible from I-5. Therefore, no impacts to scenic resources along I-5 would occur. There are no unique trees or trees of significant stature, unique rock outcroppings, or historic buildings in the vicinity of the project site that would be affected by the project. Additionally, the Arroyo La Costa Master Plan does not specifically identify any scenic resources within the project area. Therefore, no impact would occur.

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

***Less Than Significant Impact.*** The existing visual characteristics of the area surrounding the site include the La Costa Valley Master Community Association recreation facility, Coastline Community Church, natural open space, and a considerable amount of nearby residential development. These uses create a mostly developed visual setting near the project site. The site was previously graded and is mostly unvegetated with no structures (Figure 3-3). Because of the existing developed visual characteristics of the area surrounding the project site, the addition of the proposed recreational facility would be consistent with the visual character of the existing visual environment. Therefore, project impacts associated with degradation of the existing visual character or quality of the site would be less than significant.

**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 with Mitigation Incorporated.*** The project would not propose daytime exterior lighting. In addition the multi-purpose building would not include exterior materials that would result in glare that could impact neighboring residences or motorists on Calle Barcelona. Therefore, the project would not result in a distraction, nuisance, or hazard to people and would not adversely affect daytime views.

Night sky views could be impacted from new light sources associated with the project; however, impacts to views of the night sky from the project are considered less than significant because night sky views in the neighborhood are already affected by urban light pollution from adjacent development. Further, the nearby area does not contain an astronomical observatory that could be directly impacted. The closest observatory to the project site is Palomar Observatory, located approximately 50 miles northeast of the project site.

With respect to project nighttime lighting affecting neighboring land uses, residential areas surrounding the project site to the north, east, and south contribute to the existing ambient nighttime light in the project vicinity. The project does not include outdoor field lighting; however, it does include parking lot lighting, exterior safety and security lighting and building exterior wall uplighting, which has the potential for creating spillover light into the surrounding area. Such spillover light could impact surrounding residential, recreational, and open space uses. Therefore, the project would result in a less than significant impact associated with adverse impacts to day or nighttime views, by incorporating the following mitigation:

***Aes-1*** Design features would be included in the design of the project to mitigate for potential spillover light from parking lot lighting and exterior safety and security lighting such as:

# SECTION FIVE

## Environmental Initial Study Checklist

- a. Shielding direct lighting away from adjacent residential and other light sensitive receptors. Shielding shall at a minimum extend to 20 degrees below the horizontal to direct lighting towards the target area. Lighting at the project boundary shall be shielded as necessary to prevent any spillover to adjacent properties.
- b. Outdoor lighting fixtures incorporated into the design of the project will be operated during reasonable hours. Reasonable hours will be determined for the buildings and for security to assign a unique set of allowable hours of operation. It is anticipated that most lighting will shut off by approximately 11:00 P.M.

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.2 AGRICULTURE AND FOREST 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 Department 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?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Conflict with existing zoning for agricultural use, or a Williamson Act contract?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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 4256), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) | Result in the loss of forest land or conversion of forest land to non-forest use?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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## Environmental Initial Study Checklist

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

**No Impact.** As identified on the San Diego County Important Farmland Map prepared by the California Department of Conservation (2013), the La Costa Valley site is designated as “Other Land.” This classification is used for land that is not included in any other mapping category. The site is not considered Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. Therefore, the project would not convert these sensitive agricultural resources to non-agricultural uses. No impact to agricultural resources would occur.

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

**No Impact.** The District is exempt from local zoning and land use plan/element requirements, and no part of the project site is under a Williamson Act contract. Accordingly, implementation of the project would not conflict with existing zoning or with a Williamson Act contract. Therefore, no impact would occur.

**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 4256), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?**

**No Impact.** The California Department of Forestry and Fire Protection (Cal Fire) identifies the project area as “working”, and a sub-identification as “private/rural residential” on its *The Management Landscape* map (2003). Working areas are lands that are held or managed for some degree of commodity output. Human impact is definite and measurable; however there is a considerable amount of habitat value remaining. Despite this classification, the project site is located within a developed area that has been previously graded, and the project area is not used for any forestry production. Development of the project would not conflict with, or cause the rezoning of, land zoned for forestry resources. Therefore, no impact would occur.

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

**No Impact.** As described above in Section 5.2(c), no forestry resources occur within the project area. Therefore, implementation of the project would not result in the loss of forest land or conversion of forest land to non-forest use. Therefore, no impact would occur.

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## Environmental Initial Study Checklist

- 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.** Implementation of the project would not convert agricultural lands to non-agricultural uses or forest land to non-forest use. Refer to the discussions in Sections 5.2(b) and (c) above for additional information. Therefore, no impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.3 AIR QUALITY

Where available, the significance criteria established by the applicable air quality management 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

An air quality analysis of the proposed project was performed to support the air quality findings below. The subject analysis included emission estimates of criteria pollutants compiled using the California Emission Estimator Model (CalEEMod Version 2013.2.2) (CAPCOA 2013). The results of these analyses are included in the following discussions, where appropriate, and the complete CalEEMod output files are provided in Appendix A.

## SECTION FIVE

## Environmental Initial Study Checklist

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Would the project:

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

***Less Than Significant Impact.*** The federal Clean Air Act (CAA) of 1970 requires the United States Environmental Protection Agency (USEPA) to establish National Ambient Air Quality Standards (NAAQS) for six criteria pollutants: carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), ozone (O<sub>3</sub>), lead (Pb), particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), and sulfur dioxide (SO<sub>2</sub>). The San Diego Air Basin (SDAB) is currently designated a non-attainment area for the 8-hour O<sub>3</sub> NAAQS (2008), and designated an attainment or unclassified area for all other pollutants. The CAA and its subsequent 1977 and 1990 amendments require each state to prepare an air quality control plan referred to as the State Implementation Plan (SIP). The SIP includes strategies and control measures to attain the NAAQS by the deadlines established in the CAA.

The State of California has also established ambient air quality standards, known as the California Ambient Air Quality Standards (CAAQS), which are generally more stringent than the corresponding federal standards, and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility reducing particles. The SDAB is designated a non-attainment area for the O<sub>3</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> CAAQS, and is in attainment or unclassified for all of the other state standards.

The San Diego Air Pollution Control District (SDAPCD) is the agency responsible for preparing and implementing the portion of the California SIP applicable to the SDAB. SDAPCD's plans and control measures designed to attain or maintain the NAAQS for O<sub>3</sub> and the CAAQS for O<sub>3</sub> and PM<sub>10/2.5</sub> are outlined in the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County* (2012 SIP, approved by USEPA and effective July 5, 2013) and *San Diego Air Basin 2009 Regional Air Quality Strategy Revision* (RAQS). Both documents (SIP and RAQS) were developed in conjunction by the SDAPCD to reduce regional O<sub>3</sub> emissions.

The SDAPCD relies on information from the California Air Resources Board (CARB) and the San Diego Association of Governments (SANDAG), including projected growth in the county, as well as mobile, and all other source emissions in order to forecast future emissions and develop appropriate strategies for the reduction of source emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the cities and the County of San Diego. As such, projects that propose development that is consistent with the growth anticipated by SANDAG would be consistent with the RAQS and the SIP.

The proposed project is a recreational development, not a housing or residential development project, and will not result in additional population growth. For this reason, implementation of the proposed project would not exceed SANDAG growth projections for the region and the project would not conflict with the RAQS or the SIP.

**b) Violate any air quality standards or contribute substantially to an existing or projected air quality violation?**

***Less Than Significant Impact.***

## SECTION FIVE

## Environmental Initial Study Checklist

**Construction Emissions**

Construction activities would result in temporary increases in air pollutant emissions. These emissions would be generated in the form of fugitive dust emissions from earth-disturbing activities during fine site grading and exhaust emissions from operation of heavy equipment and vehicles during construction. In addition, paving and painting activities would emit volatile organic compounds (VOCs) during off-gassing.

To evaluate the project impact from construction activities, including site preparation, fine grading, building construction, paving, and architectural coating, the CAPCOA-approved CEQA tool, CalEEMod, was used to estimate the construction emissions (CAPCOA 2013). Table 5.3-1 presents a summary of estimated maximum unmitigated daily and annual air pollutant emissions from all construction phases associated with the proposed project. Detailed emissions and model inputs/outputs are provided in Appendix A. The most recent projected construction schedule and the current design scope of the project construction were conservatively incorporated into the model. CalEEMod default values and emission factors were also utilized, except where indicated in the output provided in Appendix A (explanations are also provided).

The *County of San Diego Guideline for Determining Significance* (County of San Diego 2007) were used to determine the significance of emission impacts from the project. As shown in Table 5.3-1, the proposed project would not exceed the significance thresholds for any criteria air pollutants during construction. The limited amount of grading, building construction and the fact that many of the construction phases do not overlap (i.e. the limited grading will not likely overlap with building construction as they are in two separate project phases) results in estimated daily emissions well below significance thresholds. Therefore, the proposed project would result in a less than significant impact related to air pollutant emissions during construction and mitigation measures are not required during construction.

**Table 5.3-1  
Construction Maximum Unmitigated Daily and Annual Air Pollutant Emissions**

Construction Phase and Significant Impact Thresholds	Maximum Emissions					
	CO	VOC	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Maximum Daily Emissions (pounds per day)</b>						
Maximum from all phases	86.61	12.99	113.33	0.15	24.95	14.46
<b>Significance Threshold</b>	<b>550</b>	<b>75</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>55</b>
Significant Impact?	No	No	No	No	No	No
<b>Maximum Annual Emissions (tons per year)</b>						
2014	5.38	0.85	7.73	0.008	1.02	0.65
2015	1.94	0.43	2.68	0.003	0.28	0.19
<b>Significance Threshold</b>	<b>100</b>	<b>13.7</b>	<b>40</b>	<b>40</b>	<b>15</b>	<b>10</b>
Significant Impact?	No	No	No	No	No	No

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Construction Phase and Significant Impact Thresholds	Maximum Emissions					
	CO	VOC	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>

N/A: Not Applicable

Model inputs and outputs are provided in Appendix A.

**Operational Emissions**

Project operational emissions of air pollutants would result from stationary and vehicular sources. Stationary sources include fuel combustion emissions from space and water heating; fuel combustion emissions from landscape maintenance equipment; and VOC emissions from consumer products, periodic repainting of interior and exterior surfaces, and energy usage. Increased volumes of vehicles contribute to regional emissions of NO<sub>x</sub>, VOC, CO, SO<sub>x</sub>, PM<sub>2.5</sub> and PM<sub>10</sub>. The proposed project would add vehicle trips to the surrounding street system associated with facility users and/or workers. The operational emissions were estimated using CalEEMod; default values for a 28-acre site consisting of City Park and Health Club (gymnasium) land uses were assumed appropriate.

The same CEQA thresholds are used to determine significance for both construction and operational emissions from the project. The estimated maximum unmitigated daily and annual air pollutant emissions from operations of the proposed project are shown in Table 5.3-2. Detailed emissions and model inputs/outputs are provided in Appendix A. As shown in Table 5.3-2, operational emissions from the proposed project would not exceed the significance thresholds for maximum daily or annual emissions. The default trip generation rates contained in CalEEMod for the selected land uses and the lack of any large combustion sources associated with the project results in estimated daily and annual operational emissions well below significance thresholds. Therefore, air quality impacts associated with operation of the proposed project would be less than significant and mitigation measures would not be required during operation.

**Table 5.3-2  
Operational Maximum Unmitigated Daily and Annual Air Pollutant Emissions**

Emission Source and Significant Impact Thresholds	Maximum Emissions					
	CO	VOC	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Maximum Daily Emissions (pounds per day)</b>						
Area	0.03	2.26	0.00	0.00	0.00	0.00
Energy	0.05	0.01	0.06	0.00	0.00	0.00
Mobile	22.01	2.51	4.47	0.04	2.48	0.70
<b>Total Operational Emissions</b>	22.09	4.77	4.53	0.04	2.48	0.70
<b>Significance Threshold</b>	<b>550</b>	<b>137</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>55</b>
<i>Significant Impact?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
<b>Maximum Annual Emissions (tons per year)</b>						
Area	0.00	0.41	0.00	0.00	0.00	0.00
Energy	0.01	0.00	0.01	0.00	0.00	0.00



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Emission Source and Significant Impact Thresholds	Maximum Emissions					
	CO	VOC	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Mobile	3.58	0.39	0.75	0.01	0.41	0.12
<b>Total Operational Emissions</b>	3.59	0.81	0.76	0.01	0.41	0.12
<b>Significance Threshold</b>	<b>100</b>	<b>15</b>	<b>40</b>	<b>40</b>	<b>15</b>	<b>10</b>
<i>Significant Impact?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

N/A: Not Applicable

Model inputs and outputs are provided in Appendix A.

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

***Less Than Significant Impact.*** The project is located in a non-attainment area for ozone, PM<sub>10</sub>, and PM<sub>2.5</sub>. Any increase in precursor pollutants from cumulative growth would be potentially adverse. While the impact from this single project would be well below County of San Diego's significance thresholds, the cumulative impacts can potentially result from the addition of hundreds of small projects that exacerbate the SDAB's inability to meet attainment goals.

However, as discussed in Section 5.3 (b) above, construction and operation of the proposed project would not exceed established thresholds for criteria air pollutants. No probable future projects anticipated in the project vicinity would result in a cumulatively considerable net increase when added to the project (as discussed further below in Section 5.18.2, Mandatory Findings of Significance, Air Quality). In addition, the emissions associated with project construction activities would be localized and of relatively short duration. Therefore, the proposed project would not result in a cumulatively considerable net increase in nonattainment pollutant emissions and dispersion modeling for criteria pollutants to evaluate off-site cumulative impact is not required.

- d) **Expose sensitive receptors to substantial pollutant concentrations?**

***Less Than Significant Impact.*** Air quality regulators typically define sensitive receptors as schools (kindergarten-12th grade), hospitals, resident care facilities, day-care centers, or other facilities that may house individuals with health conditions that would be adversely affected by changes in air quality. The two primary emissions of concern regarding health effects for land development projects are CO and diesel particulate matter (DPM).

### CO Hot Spots

It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when idling at intersections. Therefore, a CO "hot spots" analysis may be provided to assess whether the change in the level of service (LOS) of an intersection due to the project would have the potential to result in exceedances of the CAAQS or NAAQS. Vehicle emissions standards have become increasingly more stringent in the last 20 years. With the turnover of older vehicles, introduction of cleaner fuels and implementation of control technology on industrial facilities, CO concentrations in the SDAB have

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steadily declined. Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard.

The proposed project would add so few vehicle trips to the surrounding street system that only a limited traffic impact study was performed. The Trip Generation Project Access Analysis (Darnell and Associates 2013; Appendix B), discussed further in Section 5.16 (b), Transportation/Traffic, did not include the evaluation of LOS for intersections in the project vicinity, because the project would not generate sufficient trips to warrant the preparation of a traffic study. Due to the small number of vehicle trips that would be generated by the proposed project and the limited amount of emissions associated with these trips, project operations would not result in congestion that exceeds the CO standard, and no CO hot spots would occur. Potential CO hot spots impacts are less than significant.

### **Diesel Particulate Matter**

According to the *San Diego County Guidelines for Determining Significance, Air Quality* (County of San Diego 2007), DPM is the primary toxic air contaminant (TAC) of concern for typical land use projects that do not propose stationary sources of emissions regulated by SDAPCD. Because the proposed project does not include stationary sources of emissions regulated by the SDAPCD (e.g. an emergency generator), the primary source of DPM would be construction equipment.

As shown in Table 5.3-1 above, implementation of the proposed project would not result in PM emissions above the screening level threshold during construction. Additionally, because DPM is considered to have long-term health effects and construction would be a short-term event, emissions would not result in a significant long-term health risk to surrounding receptors.

Operation of the proposed project would require students to find their own transportation to both practice and games and therefore diesel transportation is not anticipated to be part of project operation. In summary, there are no CO hot spots in the vicinity of the proposed project. Short-term construction emissions would not result in long-term health effects resulting from DPM emissions, and no diesel trucks are anticipated during project operation. Therefore, impacts to sensitive receptors would be less than significant.

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

***Less Than Significant Impact.*** Construction associated with the proposed project could result in minor amounts of odor compounds associated with diesel heavy equipment exhaust. However, all diesel equipment would not be operating at once, and construction near existing receptors would be temporary. The closest buildings to the proposed project are residences, located adjacent to the south and east sides of the project site, or buildings associated with the nearby church, Coastline Community Church, located adjacent to the west of the project site. Potential receptors would be residents, pedestrians, and staff or parishioners at the church, and these receptors would be exposed to odors for a relatively short duration. Therefore, impacts associated with odors during construction would not be significant.

The CARB's Air Quality and Land Use Handbook identifies a list of the most common sources of odor complaints received by local air districts (CARB 2005). Typical sources of odor complaints include facilities such as sewage treatment plants, landfills, recycling facilities, petroleum refineries, and livestock

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operations. The proposed project is a recreational facility, and operation of this land use does not typically result in sources of nuisance odors. Therefore, odors would not be considered objectionable and operational odor impacts would be less than significant.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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**5.4 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 Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 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 Game or US Fish and Wildlife Service?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 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?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 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?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

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- 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 Game or U.S. Fish and Wildlife Service?**

*Less Than Significant with Mitigation Incorporated.* The site has been mass graded as part of the Arroyo La Costa Master Plan development. Disturbed grassland, such as that found onsite, can provide potential habitat for burrowing owls (*Athenos cunicularia*), which are protected under California Fish and Wildlife Code Section 3503.5 as a member of the order *Strigiformes*. The presence of burrowing owls is dependent on the presence of suitable burrows created by other species such as ground squirrels or foxes. However, burrowing owls have a low potential to occur on the site due to a lack of recent occurrences in the area, and because the site is surrounded by residential development. On March 14, 2013, URS conducted a site visit, in which no ground squirrel activity or burrows large enough for burrowing owl use were detected. Therefore, implementation of the project would not affect this special status species.

Birds protected under the Migratory Bird Treaty Act likely use the site for nesting. Species such as red-winged blackbirds (*Agelaius phoeniceus*) and common yellowthroats (*Geothlypis trichas*) are likely to nest in the cattails in the alkali marsh area while killdeer (*Charadrius vociferous*) are likely to nest in open/disturbed areas. In addition, various songbirds likely nest in the ornamental shrubbery planted in the sloping areas of the site. To avoid impacts to nesting birds protected under the Migratory Bird Treaty Act, clearing and grading should be conducted in accordance with the mitigation measure provided below. Raptors could use the large eucalyptus trees along the southern perimeter of the site for nesting. Raptors are specially protected under California Fish and Wildlife Code Section 3503.5. Prior to construction, a qualified biologist should evaluate the areas adjacent to the site for nesting raptors.

Therefore, the project would result in a less than significant impact associated with adverse impacts to species identified as a candidate, sensitive, or special status in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service, by incorporating the following mitigation:

**Bio-1** Design features would be included in the design of the project to mitigate for impacts to special status species including:

- a. Removal of any tree and/or other vegetation suitable for nesting of raptors and/or birds protected under the Migratory Bird Treaty Act shall not occur during the breeding season of January 15 through September 15 (as early as January 1 for some raptor species). If tree removal or other suitable nesting habitat must occur during the breeding season, all sites shall be surveyed by a qualified biologist to verify the presence or absence of nesting raptors or other birds. Pre-removal surveys shall be conducted within  $\leq 3$  days prior to start of work within the area from January 15 through September 15, ensuring no nesting birds in the project area would be impacted by the project. Results of the pre removal surveys shall be submitted to the District
- b. If an active nest is found, the tree supporting the nest shall be avoided until the birds have fledged and the nest is abandoned. Additionally, if an active nest is identified prior to construction, a buffer shall be established by a qualified biologist between the construction activities (and/or tree removal) and the nest so that nesting activities are not interrupted. The recommended buffer

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widths are 500 feet for raptors, and 300 feet for migratory birds. Reductions and/or modifications to the nest buffer distance may be appropriate depending on the avian species involved, ambient levels of human activity, screening vegetation, or possibly other factors and adjustments shall be made at the sole discretion of the project biologist. Final buffer limits for nests established prior to construction shall be delineated by temporary fencing, and shall remain in effect as long as construction, demolition or tree removal is occurring or until the nest is no longer active. No project construction shall occur within the fenced nest zone until the young have left the nest and are no longer being fed by the parents unless the nest was established after construction began in which case avoidance measures are not required. If no active nests are found prior to construction or during the nesting season, removal of trees and construction activities can proceed. Project personnel, including all contractors working on site, will be instructed on the sensitivity of the area.

- 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 Game or U.S. Fish and Wildlife Service?**

*Less Than Significant Impact.* There are four man-made desilting basins currently onsite that were designed to drain into the riparian area north of Calle Barcelona, which connects Encinitas Creek where it parallels El Camino Real, which in turn drains into Batiquitos Lagoon. These desilting basins are not jurisdictional and would not require special permitting for removal. Any discharge into the connected drain outlets, however, would require a discharge permit from the San Diego Regional Water Quality Control Board (RWQCB). The project would include seven new bio-retention basins designed to collect and treat stormwater runoff prior to connecting to the existing storm drain pipe network to the creek area north of Calle Barcelona. Therefore, removal of the desilting basins would have a less than significant impact on riparian habitat.

The site has been mass graded as part of the Arroyo La Costa Master Plan development. Therefore, no sensitive habitats occur on the site and sensitive habitats and rare plant records identified prior to site grading are no longer present. Therefore, implementation of the project would not impact a sensitive natural community.

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

*Less Than Significant Impact.* As a result of previous grading, irrigation runoff collects at the base of the hill on the southeastern perimeter of the site allowing for growth of wetland vegetation such as cattails (*Typha* sp.) and pickleweed (*Salicornia* sp.). The runoff collection area is hydrologically isolated and does not share a surface connection with any other “waters.” Therefore, this area is not considered a jurisdictional wetland under Section 404 of the Clean Water Act or by the California Department of Fish and Wildlife. Stability fills planned for the base of the slope to prevent water from leaching through the hillside and collecting in this area may require a waste discharge permit from the RWQCB. The wetland habitat in this area is low value due to the low species diversity and presence of only common plant species that establish quickly. Therefore, implementation of the project would not impact federally protected wetlands.

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- 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 area does not function as part of a wildlife corridor. The site is adjacent to residential neighborhoods and the Coastline Community Church. The open space area to the north does not connect to the site. Therefore, because the project site does not function as a wildlife corridor, no impact to wildlife corridors would occur as a result of the development of the project.

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

*No Impact.* The District is considered an independent special-purpose government agency that is not subject to municipal plans, policies, and regulations, such as county and/or city general plans or local ordinances. Therefore no impact would occur.

- f) **Conflict with any applicable habitat conservation plan or natural community conservation plan?**

*Less Than Significant Impact.* The project site is located within the City of Carlsbad Habitat Management Program (HMP) area. The HMP constitutes the City’s subarea (city-specific) plan within the County of San Diego’s Multiple Habitat Conservation Program (MHCP) Subregional Plan for north coastal San Diego County. However, the project site is not located within an HMP preserve area or MHCP core or linkage area.

The natural open space area north of Calle Barcelona is a permanently preserved area of the HMP managed by the La Costa Home Owner’s Association. However, Calle Barcelona is a paved four-lane major roadway with a right-of-way 94 feet in width that would serve as a buffer between the open space area and the project site. Therefore, the project would not conflict with the management of this preserve area and implementation of the project would have a less than significant impact on the City of Carlsbad HMP and County of San Diego MHCP.

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.5 CULTURAL RESOURCES

Would the project:

- |  |                          |                          |                                     |                                     |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

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- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) Disturb any human remains, including those interred outside of formal cemeteries?                    | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?**

**No Impact.** The Arroyo La Costa Master Plan and EIR do not identify historical resources on or near the project site. Furthermore, the site has been mass graded, which has changed the topography such that any resources that may have been on the project site are no longer present. Therefore, implementation of the project would not result in a significant impact to historical resources.

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

**Less Than Significant Impact.** The Arroyo La Costa Master Plan and EIR do not identify archaeological resources on or near the project site. Due to the high level of ground surface disturbance on the project site from previous grading, there is little potential for the occurrence of unknown buried archaeological resources to occur. Therefore, impacts to unknown archaeological resources as a result of the project would be less than significant.

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

**Less Than Significant Impact.** The Arroyo La Costa Master Plan and EIR do not identify paleontological resources on or near the project site. Therefore, impacts to unknown paleontological resources as a result of the project would be less than significant.

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

**Less Than Significant Impact.** Due to the high level of previous ground surface disturbance on the project site from prior grading activities, it is unlikely that human remains would be disturbed during the construction of the proposed project. However, although unlikely, the discovery of human remains during site development is a possibility. If human remains were found during project construction, these finds would be dealt with in accordance with State of California Health and Safety Code Section 7050.5. This code section states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code (PRC) Section 5097.98. The County Coroner must be notified of the find immediately. If the human remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendent (MLD). The MLD shall complete the inspection of the site within 24 hours of notification, and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials. Compliance with State of California Health and Safety Code Section 7050.5 would reduce the potential for significant impacts to

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occur in the unlikely event that human remains are found on the site during construction. Therefore, impacts would be less than significant.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.6 GEOLOGY AND SOILS

Would the project:

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

- a) **Expose people or structures to potential substantial adverse effects, including the risk of loss, or 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.**



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***Less Than Significant Impact.*** –Carlsbad is located in a seismically active area, however, there are no known active or potentially active faults located within the City limits. Geotechnical and seismic hazards within the City of Carlsbad have a significant probability of occurring and causing potential damage to property and possible loss-of-life. These hazards include adverse geologic conditions such as out-of-slope bedding, landslides and mud flows, erosion, siltation, subsidence, ground shaking and other seismic effects from earthquakes on regional faults.

The closest known active fault is the Rose Canyon Fault Zone located approximately three to four miles offshore. No Special Studies Zones, as required by the Alquist-Priolo Geologic Hazards Act, have been delineated within the City by the State Geologist (City of Carlsbad Public Safety Element). Additionally, proper engineering and adherence to the Uniform Building Code (UBC) and California Building Code (CBC) guidelines during the building design phase would minimize the risk to life and property. As such, project impacts associated with fault rupture would be less than significant.

### **ii) Strong seismic ground shaking?**

***Less Than Significant Impact.*** The site and region are subject to seismic activity, including moderate to heavy ground shaking. The closest known active fault is the Rose Canyon Fault Zone located approximately three to four miles offshore. There are no known active or potentially active faults located within City of Carlsbad limits (City of Carlsbad Public Safety Element). Earthquakes occurring along the faults within San Diego, Orange, and Riverside counties could produce potentially significant impacts to the project from ground shaking. However, proper engineering and adherence to the UBC and CBC guidelines during the building design phase would minimize the risk to life and property. Pursuant to the UBC and CBC, design and construction of the project would be engineered to withstand the expected ground acceleration that may occur from nearby faults. Therefore, compliance with applicable UBC and CBC guidelines would reduce impacts related to seismic ground shaking to a less than significant level.

### **iii) Seismic-related ground failure, including liquefaction?**

***Less Than Significant Impact.*** Liquefaction is a phenomenon where loose, saturated, and relatively cohesionless soil deposits lose strength during strong ground motions. Primary factors controlling the development of liquefaction include intensity and duration of ground accelerations, characteristics of the subsurface soil, in situ stress conditions, and depth to groundwater. As a result of the conditions required to cause liquefaction, in Carlsbad, areas of possible liquefaction are limited to alluvial soils in the valleys and low-lying areas of the City (City of Carlsbad Public Safety Element). Therefore, impacts would be less than significant.

### **iv) Landslides?**

***Less Than Significant Impact.*** Landslides occur when the stability of a slope changes from a stable to an unstable condition. No ancient landslides are known to exist within the project site, and previous mass grading activities would have stabilized them, had the risk existed. Therefore, impacts due to landslides would be less than significant.

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

*Less Than Significant Impact.* Site preparation activities for the project would necessitate the excavation of top soil, resulting in temporary stockpiles of excavated soil to be stored on the project site. Water and wind erosion of the stockpiles may impact surface water runoff and air quality to off-site areas. Implementation of the project could result in significant short-term impacts to water quality from uncontrolled sediment and pollutants from the construction site. However, the District's compliance with mitigation measure *Hyd-1*, found in Section 5.9 (a) Hydrology and Water Quality below, would reduce water quality impacts during construction, including erosion and loss of top soil, to below a level of significance through the implementation of water quality BMPs.

Impacts related to erosion and loss of topsoil following project construction would not be significant because exposed or stockpiled soils would be removed, and the project would be paved, developed for athletic fields, and seeded and landscaped with trees and other vegetation, resulting in little potential for erosion or loss of topsoil to occur. Impacts would be less than significant.

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

*Less Than Significant Impact.* As discussed in Section 5.6 (a)(iv) above, no ancient landslides are known to exist on the project site; therefore, landslide hazards are not a concern for the proposed project. The project would result in the construction of a multi-purpose building, which would involve the excavation of soil. Fill would be used to contour the site for landscaping and to control the grade of the building. Improperly backfilled excavations would have the potential to result in a settlement hazard for the future building. Compliance with the UBC and CBC when preparing the project site for construction would reduce the potential for soil subsidence and settlement to occur due to compaction and site preparation techniques mandated by these codes.

Soil stability can also be affected by near-surface groundwater. The nearest mapped surface water is the Batiquitos Lagoon, located approximately 1.35 miles northwest of the site, which is not close enough to the project site to have an effect on soil stability. Surface soils across an area in the southeastern portion of the site were found to be moist to wet at the time of Phase I Environmental Site Assessment. This condition is presumably due to water seepage from the west-facing slopes constructed along the site perimeters in this area. Project design features adhering to UBC and CBC guidelines, and previous mass grading activities resulting in a stabilization of the site, would reduce the potential impact of the project from an on- or off-site landslide, lateral spreading, liquefaction, or collapse. Therefore, impacts are considered to be less than significant.

**d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1997), creating substantial risks to life or property?**

*Less Than Significant Impact.* The project site was previously mass graded. Grading activities associated with the project conformed to the City of Carlsbad grading standards identified in the Arroyo La Costa Master Plan EIR with respect to geology and soils. Therefore, impacts resulting from expansive soils would be less than significant.

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

*No Impact.* The project would be connected to the City of Carlsbad sanitary sewer system, and no septic tanks or alternative wastewater systems would be used. Therefore, no impact would occur.

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.7 GREENHOUSE GAS EMISSIONS

Would the project:

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?      | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

A GHG analysis of the project was performed to support the findings below. The analysis included emission estimates of GHGs compiled using CalEEMod 2013.3.2 (CAPCOA 2013). The results of these analyses are included in the following discussions, where appropriate, and the complete CalEEMod output files are provided in Appendix A.

Would the project:

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

*Less Than Significant Impact.* Gases that trap heat in the atmosphere are often called greenhouse gases (GHGs). Some GHGs such as carbon dioxide occur naturally and are emitted to the atmosphere through natural actions such as volcanic eruptions, forest fires, and biological processes. Identical GHG constituents, like carbon dioxide (CO<sub>2</sub>), can also be emitted through a variety of human activities. Other GHGs (e.g., fluorinated gases) are created and emitted solely through human activities. The principal GHGs that enter the atmosphere because of human activities are (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF<sub>6</sub>).

Carbon dioxide equivalent (CO<sub>2</sub>e) is a methodology for comparing GHG emissions by normalizing the emissions of various GHGs, using each GHG's global warming potential (GWP), into CO<sub>2</sub>e emissions. The definition of a GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to that of one unit mass of CO<sub>2</sub> over a specific time period. For example, the GWP for CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O, the three GHGs estimated in CalEEMod (version 2013.2.2), are 1, 21, and 310, respectively, based on a 100-year time horizon. While these values are currently under review, and have even been revised by

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some agencies, they are the values used in CalEEMod and have thus been used in this analysis. GWP is a simple and commonly used method to estimate the warming effects of a particular GHG.

In 2006, Governor Schwarzenegger signed the Global Warming Solutions Act (Assembly Bill [AB] 32), establishing statutory limits on GHG emissions in California. AB 32 seeks to reduce statewide emissions to 1990 levels by the year 2020. To meet the targets established by AB 32, the County of San Diego published its *Guidelines for Determining Significance—Climate Change* on November 7, 2013. The guidance provides several proposed approaches and significance thresholds to determine if a project would have a cumulatively considerable contribution to climate change impact. The applicable approach for the project is the Bright Line Threshold. This threshold was defined and established as a net increase of operational greenhouse gas emissions, either directly or indirectly, at a level exceeding 2,500 metric tons of CO<sub>2</sub>e per year.

### **Construction Impacts**

As stated in Section 4.3.2 of the County of San Diego's Climate Change CEQA guidelines, construction-related emissions do not need to be separately analyzed and included as a part of the assessment of projects against the Bright Line Threshold. Furthermore, the guidelines explain that construction emissions for San Diego County land use projects between present and 2020 were quantified and incorporated into the Bright Line Threshold.

### **Operational Impacts**

Operational GHG emissions associated with the project would include direct emission sources such as mobile sources, natural gas consumption, solid waste handling, and indirect sources such as electricity generation, water use and wastewater treatment. The estimated maximum unmitigated annual emissions of GHGs associated with the proposed project are summarized in Table 5.7-1.

As shown in Table 5.7-1, operation of the project would result in maximum unmitigated emissions of approximately 740 metric tons of CO<sub>2</sub>e per year. These estimates do not include any GHG-reducing measures incorporated by the project; therefore, this estimate is very conservative. The project-estimated GHG emissions during operation are below the CEQA significant GHG threshold of 2,500 metric tons per year proposed in San Diego County CEQA climate change guidance. Therefore, the GHG and climate change impact associated with GHG emissions during project operation would be less than significant.

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**Table 5.7-1**  
**Estimated Maximum Annual Operational GHG Emissions Without Mitigation**

Source of Emissions	Proposed Project Emissions (metric tons per year)			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
Area	0.00	0.00	0.00	0.00
Energy	89.88	0.00	0.00	90.22
Mobile	479.91	0.02	0.00	480.39
Waste	21.97	1.30	0.00	49.24
Water	118.79	0.04	0.00	120.21
<b>Annual Total</b>	<b>710.55</b>	<b>1.37</b>	<b>0.00</b>	<b>740.06</b>
<b>Significant Threshold</b>	--	--	--	<b>2,500</b>
Significant Impact?	--	--	--	<b>No</b>

--: Not Applicable

Model inputs and outputs are provided in 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.* Refer to the discussion in Section 5.7 (a), above.

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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**5.8 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?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**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.** Construction of the project would involve the transport of gasoline and other fuels to the project site for the sole purpose of equipment fueling. Once constructed, household/industrial cleaning products, air conditioning and heating unit chemicals, and landscaping chemicals and fertilizers would be used during project operation. Adherence to the existing District School Board Policies' Hazard Communication Program currently in place for the District (SDUHSD 2004), such as training and proper labeling and storage of chemicals, would ensure that the project would not pose a significant risk to the environment through the routine use, transport, storage, and disposal of typical household/industrial hazardous chemicals. Therefore, impacts would be less than significant.

**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.** The District currently operates under a Risk Management Program that addresses emergency and spill response procedures including, but not limited to, specific emergency response instructions, locations of personnel and equipment resources (e.g., telephone numbers, fire extinguishers, spill kits, safety showers/eyewashes, first aid kits), and includes the Hazard

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Communication Program, as well as appropriate training. The current policies regarding Hazardous Materials and Risk Management are required to be followed for any construction or operation of a new school or related District facility. Compliance with all applicable federal and state laws, as well as District policies, practices, and procedures related to transportation, storage, and use of hazardous materials would minimize the potential of a hazardous release to occur and provide for prompt and effective cleanup if an accidental release were to occur. Therefore, impacts related to accidental release due to increase transportation, storage, or use of hazardous materials would be less than significant.

### **Natural Gas Pipeline Hazard**

URS conducted a Phase I Environmental Site Assessment (Phase I ESA) of the project site (Appendix C). The Office of the Fire Marshall Pipeline Safety Division indicated that a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. Additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high-pressure and located within the same corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the project site. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-Kilovolt (KV) and 138-KV electric transmission line (City of Carlsbad Public Safety Element, 2013). URS also conducted a Pipeline Risk Assessment for the pipelines near the project site, summarizing the study as part of a Preliminary Endangerment Assessment (PEA) (Appendix D), prepared at the request of the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC). The results of the pipeline risk assessment found the pipelines identified within the 1,500-foot radial distance from the site property boundaries have a very low likelihood of posing a significant risk to the future site occupants and meet the acceptable risk criteria established by the California Department of Education (CDE). This is based on applicable and relevant risk model input parameters used in conjunction with the current understanding of the future site use. As such, no further risk assessment or evaluations were recommended, and impacts from the pipelines would be less than significant.

### **Site Soils Assessment**

The PEA also addressed the potential presence of organochlorine pesticides (OCPs) and arsenic in the site soils based on historical information, which suggested the project site was used for row crops between the early 1950s to mid-1960, and the potential presence of methane gas in the fill materials placed on site during site grading.

To assess these potential hazards, the PEA included advancing 37 investigation borings ranging in depth from 2.5 feet to 55 feet below ground surface (bgs) to sample chemicals of potential concern, including OCPs and arsenic. OCPs were not detected at concentrations above the laboratory reporting limits in the soil samples analyzed from the site. Arsenic was detected in three samples marginally above the 12 milligrams per kilogram (mg/kg) concentration DTSC considers the upper range of background. The concentrations in these samples ranged from 14.6 mg/kg to 17.7 mg/kg. Based on these results, supplemental (step-out and step-down) sampling was conducted, and analytical results indicate none of the samples contained arsenic concentrations above background (12 mg/kg). Therefore, the

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concentrations of arsenic present in soil at the site do not pose an adverse risk to human health or the environment.

The deep borings were also screened for the presence of methane. Methane concentrations were not present in the borings above the threshold of 500 parts per million (ppm) as established in the PEA work plan for the project site. The maximum methane concentration detected was 45 ppm.

Therefore, based on the results in the PEA, impacts from hazardous materials in the site soils would be less than significant.

**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.* The proposed project is a school facility, which would not emit hazardous emissions or handle hazardous or acutely hazardous materials or waste. Furthermore, the project is greater than one-quarter mile from the nearest existing school, which is Olivenhain Pioneer Elementary School situated approximately 1.3 miles from the project site. Finally, the District employs the District Hazardous Communication Program and Risk Management Plan, and complies with all applicable federal and state laws. Therefore, the potential for hazardous release to occur would be less than significant. See discussion in Sections 5.8 (a) and (b).

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

*Less Than Significant Impact.* A Phase I ESA was conducted for the project site (Appendix C). As part of the Phase I ESA, a review was conducted of selected federal and state incident data lists, including National Priorities List (NPL)/Superfund Sites, NPL/Potential Responsible Parties, Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) sites, Resource Conservation and Recovery Act (RCRA) Notifier Facilities, RCRA Correction Action Sites, RCRA Subtitle D Landfills, Facility Index System Database (FINDS), Emergency Response Notification System (ERNS) Hazardous Material Spills, Superfund Amendments and Reauthorization Act (SARA) Title III Facilities, State Superfund, State Landfills, Registered Underground Storage Tanks (USTs), and Leaking USTs to evaluate proximity of recorded events in accordance with American Society for Testing and Materials (ASTM) Standard Practice E 1527-05. The project site was not found on any of these hazardous materials site lists. In addition, as part of the Phase I ESA no current use or evidence of historic use of hazardous materials or generation of hazardous waste was identified during the site reconnaissance. Therefore, implementation of the project would not create a significant hazard to the public or the environment and the impact would 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 use airport, would the project result in a safety hazard for people residing or working in the project area?**

*No Impact.* The project is not located within an airport land use plan. The nearest airport land use plan is the McClellan-Palomar Airport Land Use Compatibility Plan (ALUCP), which is approximately five miles north of the site. The project site is also not within two miles of a public airport or public use



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airport. The nearest public airport is McClellan-Palomar Airport, which is operated by the County of San Diego and is located approximately five miles north of the project in the City of Carlsbad. Therefore, no airport related safety hazard impact to people residing or working within the project area would occur.

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

*No Impact.* The project site is not located in the vicinity of a private airstrip and would not result in a safety hazard for people residing or working within the project area. Therefore, no impact would occur.

- g) **Impair implementation of or physically interfere with an adopted emergency plan or emergency evacuation plan?**

*Less Than Significant Impact.* There are two types of emergency evacuation plans in the project area that have the potential to be affected by the project. The first is the City of Carlsbad Emergency Plan, prepared in conjunction with the Unified San Diego County Emergency Services Organization (USDCESO) that addresses the City's planned response to extraordinary emergency situations associated with any type of natural disaster, technological incident, or State of War emergency. The plan includes the City as part of the Statewide Emergency Management System. In addition, if the project would require a lane or roadway closure prior to the initiation of project construction that could affect an adopted emergency plan or emergency evacuation plan, the contractor and/or District staff would ensure that the Carlsbad Police Department is notified. If determined necessary by the Police Department, the District would also initiate notification of local emergency services, including the City of Carlsbad Fire Department's Fire Station 6, which is located approximately 1.5 miles from the project site at 7201 Rancho Santa Fe Road, at the corner of La Costa Avenue. Therefore, this impact would be less than significant.

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

*Less Than Significant Impact.* Implementation of the project would not expose people or new structures to increased risks associated with wildland fires because of its location in a developed area. The land adjacent to the project site is in residential/urbanized area that is either developed or has been mass graded and has little to no vegetation. However, across Calle Barcelona from the project site is an open space area with natural vegetation. This open space area is susceptible to a limited wildland fire because it is approximately 48 acres in size and is surrounded by urban development. In addition, Calle Barcelona is a paved four-lane major roadway with a 94-foot wide right-of-way that would serve as a firebreak between the open space area and the project site. Therefore, there are no significant amounts of combustible plant material adjacent to the project site to the east west and south of the site, and the open space area north of the site only poses a limited wildland fire threat (see Figure 3-2). As a result the potential for the project to expose people or structures to wildland fires would be less than significant.

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	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>5.9 HYDROLOGY AND WATER QUALITY</b>				
Would the project:				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

*Less Than Significant with Mitigation Incorporated.*

#### **Construction**

Construction of the project would have the potential to result in impacts on surface water quality through activities such as demolition, clearing and grading, stockpiling of soils and materials, concrete pouring, painting, and asphalt surfacing. Construction of the project would involve various types of construction equipment. Sediment associated earth-moving activities and exposed soil is the most common pollutant associated with construction sites. Other pollutants associated with construction activities include debris, trash, and other materials generated during demolition; hydrocarbons from leaks or spills of fuels, oils, and other fluids associated with the equipment used for construction; and paints, concrete slurries, asphalt materials, and other hazardous materials. These pollutants could impact water quality if they are washed off-site by storm water or non-storm water runoff, or are blown or tracked off-site to areas susceptible to wash-off by storm water or non-storm water runoff. If pollutants enter the project drainage system, they are likely to drain to one or more of the downstream receiving waters which ultimately drain to the Pacific Ocean.

All construction contractors would be required to prepare and implement a final Stormwater Pollution Prevention Plan (SWPPP), in accordance with the State's Construction General Permit, which identifies the specific storm water BMPs to be implemented during construction of a project. Construction BMPs typically include, but are not limited to, the following:

1. Proper storage, use, and disposal of construction materials.
2. Removal of sediment from surface runoff before it leaves the site by silt fences or other similar devices around the site perimeter with particular attention to protecting water bodies listed on the 303(d) list for sediment, such as Encinitas Creek, which flows to the Batiquitos Lagoon.
3. Protection of all storm drain inlets on site or downstream of the construction site to eliminate entry of sediment.
4. Stabilization of cleared or graded slopes.
5. Diversion of runoff from uphill areas around disturbed areas of the site.
6. Prevention of tracking soil off site through use of a gravel strip or wash facilities at exit areas.
7. Protection or stabilization of stockpiled soils.

Compliance with the State's Construction General Permit would reduce water quality impacts associated with construction of the project through the implementation of sediment and erosion control BMPs, and good housekeeping measures. Therefore, impacts to water quality during project construction would be less than significant.

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**Operation**

Following construction, operation of the project could generate pollutants that would potentially impact water quality. The District's Stormwater Management Plan (SWMP; SDUHSD 2006) identifies activities and areas associated with the project that could generate pollutants and the types of pollutants that could be generated. These activities and pollutants are summarized in Table 5.9-1.

**Table 5.9-1  
Potential Polluting Activities of the Project**

<b>Activity/Source</b>	<b>Pollutants of Concern</b>
Facility maintenance activities	Sediment, nutrients, metals, pesticides, bacteria (sanitary sewer overflows or septic tank system failure), and trash
Grounds maintenance activities	Sediment, nutrients, herbicides, and trash
Vehicle and equipment maintenance activities	Oil and grease, and solvents
Outdoor material storage and parking areas	Oil and grease, and metals

Source: SDUHSD 2006

Operation of the project could result in the generation of pollutants such as sediments, nutrients, heavy metals, organic compounds, and trash and debris. When it rains, these pollutants can be washed from the site into the drainage system. Non-storm water discharges, such as landscape irrigation, may wash fertilizers or other pollutants into the drainage system.

The District's SWMP identifies post-construction site design/source-control BMPs to mitigate downstream water quality impacts from storm water and non-storm water runoff pollutants associated with operations. The City of Carlsbad Storm Water Protection Program requirements are applicable to all other development in the region but are not directly applicable to the District, which is an independent jurisdiction that is independent of local land use and development requirements generally governed by local jurisdictions. Without voluntary compliance with the most current water quality requirements, the 2006 SWMP would be inadequate to protect water quality from the operation of the project because it would not provide water quality protection to the same standards as other developments within the region. Therefore, impacts to water quality from operation of the project would be potentially significant. The following mitigation measure shall be implemented to reduce impacts to a less than significant level.

**Hyd-1** Prior to operation of the project, the District shall update, expand, and align their existing 2006 SWMP to be generally consistent with the latest standards for development in the City of Carlsbad Storm Water Protection Program, or the project shall conform to these standards. Both methods would protect water quality and control stormwater flows to the same standards required of other development in the region. As part of compliance with the Countywide Model Standard Urban Stormwater Mitigation Plan (SUSMP), a report equivalent to a Water Quality Technical Report (WQTR) shall be prepared for the project using the City of San Diego 2010 SUSMP as guidance. The report will determine the need for a detention basin or comparable alternative measures to mitigate any potential drainage and water quality conditions by selecting the most suitable post-construction BMPs for the project's design, soil conditions, and other relevant

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factors. Additionally, the report will determine whether the project is a Priority Redevelopment Project, and whether the Low Impact Development and hydromodification requirements in the SUSMP apply to the Project. Those measures identified in the report shall be implemented as part of the project.

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

*Less than Significant Impact.* No removal of groundwater is proposed as part of the project because the project would use potable water supplied by the City of Carlsbad Municipal Water District via existing water pipelines within the project area. The City of Carlsbad Municipal Water District receives deliveries of imported water from the San Diego County Water Authority (SDCWA) and other sources to satisfy potable water demand. Therefore, no impacts to groundwater supplies would occur.

Development of the project site would increase impervious surfaces which would in turn reduce the groundwater percolation in the immediate area of the project site. Because the project is not located in an area known to support significant groundwater resources used by local agriculture, industry, or residences, this impact would be less than significant.

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

*Less Than Significant with Mitigation Incorporated.*

### Construction

Construction activities that disturb land, such as grading and excavation, construction of building foundations, and trenches for utilities, could result in the localized alteration of drainage patterns. These alterations may result in the temporary exceedance of the capacity of storm water facilities if substantial drainage is rerouted. Alterations may also temporarily result in erosion and siltation if flows are substantially increased or routed to facilities or channels without capacity to carry the storm water flow.

The project would comply with the State's Construction General Permit, which requires preparation of a SWPPP and identification of BMPs. In compliance with the Construction General Permit, the District would continue to implement BMPs, such as the following:

1. **Minimizing Disturbed Areas.** Clearing of land is limited to that which will be actively under construction in the near term, new land disturbance during the rainy season is minimized, and disturbance to sensitive areas or areas that would not be affected by construction is minimized.
2. **Stabilizing Disturbed Areas.** Temporary stabilization of disturbed soils is provided whenever active construction is not occurring on a portion of the site, and permanent stabilization is provided by finish grading and permanent landscaping.

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3. **Protecting Slopes and Channels.** Outside of the approved grading plan area, disturbance of natural channels is avoided, slopes and crossings are stabilized, and increases in runoff velocity caused by the project are managed to avoid erosion to slopes and channels.
4. **Controlling the Site Perimeter.** Upstream runoff is diverted around or safely conveyed through the project and is kept free of excessive sediment and other constituents.
5. **Controlling Internal Erosion.** Sediment-laden waters from disturbed, active areas within the site are detained.

Implementation of the above BMPs would reduce the likelihood of alterations in drainage during construction activities that would result in significant hydrology impacts. Therefore, impacts would be less than significant.

### Impacts Following Construction

Any proposed development project that is greater than 10,000 gross square feet (GSF) would substantially increase impervious surfaces and would result in a potentially significant impact associated with the alteration of drainage patterns that could result in flooding, the capacity of the existing storm drain system being exceeded, and increased erosion. Therefore, due to its size, implementation of the project would result in a potentially significant impact. The following mitigation measure shall be implemented to reduce impacts to a less than significant level.

**Hyd-2** A registered civil engineer shall perform a drainage study for the project commissioned by the District Facility Services department that complies with the conditions that follow. Recommended design measures shall be consistent with the District's adopted Storm Water Management Program and/or **Hyd-1**. The drainage study recommendations would be incorporated into the project design and regularly maintained by the District after project completion. The results of the drainage study shall be used to determine if the District would be required to contribute its fair share contribution to the City's Community/Capital Facilities Fee for storm drain improvements, as required by California Government Code 54999.

- i. Site design that controls runoff discharge volumes and durations shall be used where applicable.
- ii. Measures that protect slopes and channels such as energy dissipaters, vegetation, and slope/channel stabilizers shall be applied where appropriate.
- iii. All developments that will increase impervious surfaces by 10,000 GSF or more shall maintain the peak runoff for the 10-year, 6-hour storm event. In cases where known or potential on-site or off-site erosion problems have been identified, a registered engineer, in coordination with the District, shall determine if maintenance of peak runoff for a larger storm event is necessary.

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- d) **Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site?**

*Less Than Significant with Mitigation Incorporated.* Construction activities that disturb land, such as grading and excavation, construction of new building foundations, and trenches for utilities, could result in the localized alteration of drainage patterns. These alterations may result in the temporary exceedance of the capacity of storm water facilities if substantial drainage is rerouted. Implementation of mitigation measure *Hyd-2* would reduce this impact to a less than significant level. See the discussion provided for Section 5.9 (c), above.

- e) **Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?**

*Less Than Significant with Mitigation Incorporated.* See the discussion provided in Section 5.9 (c), above.

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

*Less Than Significant with Mitigation Incorporated.* See the discussion provided in Section 5.9 (a), above.

- g) **Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?**

*No Impact.* According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps, the project is located in Flood Zone X, which is outside of the 100-year and 500-year flood hazard areas (FEMA 2012). Therefore, no impact would occur.

- h) **Place within a 100-year flood hazard area structures which would impede or redirect flood flows?**

*No Impact.* The Project would not place structures within the 100-year flood hazard area, because the entire project site is located in Flood Zone X, which is outside of the 100-year and 500-year floodplains (FEMA 2012). Implementation of the project would not impede or redirect flood flows. Therefore, no impact would occur.

- i) **Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?**

*No Impact.* The project site is located in the Batiquitos hydrologic subarea of the San Marcos hydrologic area located within the Carlsbad Hydrologic Unit [904]) and there are no upstream dams or levees's that could fail in the subarea and thereby affect the project site. Therefore, no impact would occur.

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**j) Expose people or structures to inundation by seiche, tsunami, or mudflow?**

**No Impact.** In the City of Carlsbad, the lagoon areas are susceptible to the seismic hazard of seiche (raising and lowering of water surface), and the beach areas are susceptible to the seismic hazard of tsunami (tidal waves).

A seiche is a wave on the surface of a lake or landlocked bay that is caused by atmospheric or seismic disturbances. The closest landlocked bay to the project is the Batiquitos Lagoon, approximately 1.35 miles from the site. Due to its distance from the project and intervening topography, there is no potential for the project to be inundated by seiche.

A tsunami is a very large ocean wave caused by an underwater earthquake or volcanic eruption. The project is located approximately 3 miles inland from the Pacific Ocean and is approximately 115 feet above mean sea level, and therefore does not have the potential to be inundated by a tsunami.

Mudslides and slumps are a more shallow type of slope failure compared to landslides. These typically affect the upper soil horizons and are not bedrock features. Factors that affect slope stability include saturation by water, creation of steeper slopes by erosion or construction, and earthquake shaking. Historically, mudslides and slumps occur during or soon after periods of rainfall. Erosion can occur along manufactured slopes that are improperly designed or not adequately re-vegetated. The project is located adjacent to steep slopes on its southern and southeastern border that are adjacent to residences. These are manufactured slopes that have been designed and constructed to remain stable. The project would not affect these slopes. Therefore, inundation of the project site by a mudflow or slump would not occur, resulting in no mudflow impact to the project site.

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.10 LAND USE AND PLANNING

Would the project:

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



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**a) Physically divide an established community?**

*No Impact.* The Arroyo La Costa Master Plan designates the site parcels specifically for middle school development within the community boundaries. Implementation of the project would not include any development outside of established site parcels, and no intrusion into, or division of, the surrounding community would occur. Therefore, no impact would occur.

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

*Less Than Significant Impact.* The applicable land use plan for the project site is the Arroyo La Costa Master Plan. The Master Plan contains specific guiding principles for planning and design of the neighborhoods, village centers, parking areas, educational facilities and landscaping. The Arroyo La Costa Master Plan designates the site for middle school development. However, there is no longer a need for a new middle school. The Arroyo La Costa Master Plan states that if the site is no longer needed for a middle school, then the underlying land use shall change from school facilities to Open Space.

The City of Carlsbad General Plan defines five categories of open space within the City. Category three provides open space for outdoor recreation and school athletic fields and courts. According to the City of Carlsbad Municipal Code, athletic fields, recreation facilities, parking, and restrooms are conditionally permitted within the Open Space zone upon Planning Commission approval of a Conditional Use Permit (CUP). However, the City of Carlsbad does not have land use approval jurisdiction over District property and therefore the District would not be required to obtain a CUP from the City. Therefore, because the proposed project is consistent with the Arroyo La Costa Master Plan, the impact would be less than significant.

**c) Conflict with any applicable habitat conservation plan or natural community conservation plan?**

*No Impact.* As discussed in Section 5.4 (f), the project site is located within the City of Carlsbad HMP area. However, the project site is not located within an HMP preserve area or a County of San Diego MHCP core or linkage area.

The natural open space area north of Calle Barcelona is a permanently preserved area of the HMP managed by the La Costa Home Owner's Association. However, Calle Barcelona is a paved four-lane major roadway right-of-way that is 94 feet in width and would serve as a buffer between the open space area and the project site. Therefore, the project would not conflict with the management of this preserve area and implementation of the project would have a less than significant impact on the City of Carlsbad HMP and County of San Diego MHCP.

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	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.11 MINERAL RESOURCES

Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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

**No Impact.** The City of Carlsbad does not have any economically significant mineral resources (City of Carlsbad 2006). Implementation of the project would result in no impact to mineral resources.

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

**No Impact.** The City of Carlsbad does not have any economically significant mineral resources (City of Carlsbad 2006). Implementation of the project would not 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 would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.12 NOISE

Would the project result in:

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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

- a) **Expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?**

***Less Than Significant Impact.*** As described in the City of Carlsbad Noise Guidelines Manual, outdoor spectator sports, playgrounds, and neighborhood parks, the noise level would be normally acceptable up to 65 A-weighted decibels (dBA) CNEL. Outdoor ambient sound pressure level measurements were conducted in order to determine whether existing noise levels are acceptable as described in the City Noise Guideline Manual. The dominant noise source at the site was vehicular traffic on Calle Barcelona. Other noise sources observed during the measurements were aircraft flyovers, distant landscaping equipment, dogs barking, birds vocalizing, and a distant train horn. The existing noise levels ranged from 49 to 51 dBA equivalent sound level (Leq) Community Noise Equivalent Level Prediction (CNEL). It was assumed that the peak hour Leq traffic noise levels are approximately equal to the CNEL values. Existing noise levels measured at the site were well below 65 dBA CNEL. Construction and operation of the project would generate additional intermittent noise levels to the project area.

Construction of the project would generate noise that could expose nearby receptors to elevated noise levels that may disrupt communication and routine activities. Such receptors include community members using the La Costa Valley Master Community Association recreation facility, attendees of the Coastline Community Church, and adjacent residences to the south and east of the project site. Elevated noise levels would be primarily experienced close to the noise source. Construction noise levels vary depending on the distance between the activity and receptors, and the type of equipment used, how it is operated, and how well the equipment is maintained.

Construction of the project would involve conventional construction techniques and equipment. Standard equipment, such as scrapers, graders, backhoes, loaders, tractors, and miscellaneous trucks, would be used for construction.

Construction activities would occur between the hours of 7:00 a.m. and 6:00 p.m., Monday through Friday and 8:00 a.m. and 6:00 p.m. on Saturday in conformance with the City of Carlsbad Noise Ordinance. Potential construction activities occurring outside of these times (or on legal holidays) would be limited to emergency conditions or situations where advance approval is received by the District.

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Sound levels of typical construction equipment range from 75-85 dBA Leq at 50 feet from the source (Federal Highway Administration 2006). Noise from construction equipment at large source-to-receiver distances can be considered to have point source acoustical characteristics. Conservatively assuming no wave interaction with the ground surface, sound propagating from a point source sound decays at a rate of 6 dB per doubling of distance.

Due to the proximity of the nearest residences (approximately 100 feet at the nearest location) construction of the project would have the potential to generate temporary noise that affects these sensitive receptors. The exterior hourly noise level at this noise sensitive land use due to the simultaneous operation of up to two pieces of construction equipment at any one time (e.g., gradeall and dozer) would be approximately 75 dBA at the nearest residential location. Using guidance data from the FHWA Roadway Construction Noise Model (RCNM) User's Guide (FTA 2006), this estimated level reflects an "acoustical usage factor" of 40 percent, which relates to equipment operating in alternating states of full and low power operation, idling engine and non-operation. As equipment moves around the construction site, and would thus be more distant from the nearest receiver, experienced noise levels may be lower.

After construction, anticipated sources of noise would occur from sports and recreational activities. These would be limited to weekday, primarily after high school classroom hours (i.e., beginning at approximately 3:00 p.m.). Organized sports would generate noise due to players, referees and coaches. Individuals may use "raised" voices (65 dBA at 3.28 feet), "loud" voices (75 dBA at 3.28 feet), and mechanical whistles (82 dBA at 100 feet). Calculating the combined effect of 28 raised voices (occurring 80 percent of a given hour, at a distance of 100 feet [the distance to the nearest residence from the sideline of the closest athletic field]), 15 loud voices (occurring 40 percent of a given hour, at a distance of 100 feet), and one whistle (occurring 5 percent of a given hour, at a distance of 200 feet [the distance to the nearest residence from the center of the closest athletic field]) yields an aggregate noise level of 64 dBA. Conservatively assuming 5 dBA of noise reduction from an intervening proposed multi-purpose building, the noise level at the nearest residences from the organized sports/recreational noise would range from approximately 59-64 hourly dBA, which would result in 63 dBA CNEL assuming these activities on the fields do not occur after 10:00 p.m.

While construction noise and occasional sports-related activities would result in intermittent increases in noise levels, the noise levels generated would not be in excess of established City of Carlsbad Noise Guidelines Manual. Therefore, noise impacts resulting from project construction and operation would be less than significant.

**b) Expose persons to or generate excessive groundborne vibration or groundborne noise levels?**

***Less Than Significant Impact.*** Apart from typically imperceptible levels of existing ambient vibration resulting from natural and man-made sources, there are no known sources of excessive groundborne vibration or noise within the vicinity of the project site. At the closest distance of approximately 100 feet to the nearest residential structure, grading and other construction activities of the proposed project involving equipment with vibration amplitude no greater than that of a vibratory roller (0.21 inches per second peak particle velocity [PPV] or 94 vibration velocity decibels [VdB], per Federal Transit Administration [FTA] guidance) would temporarily cause potentially perceptible vibration: 76 VdB at a distance of 100 feet from a vibratory roller. However, such vibration levels at the receiver would be less

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than 78 VdB (the maximum allowable daytime residential vibration level with respect to annoyance, per FTA guidance) and thus be considered a less than significant impact. Field sport activity or temporary vehicle traffic associated with normal project operations, assumed to be no greater than 69 VdB at a distance of 100 feet (assuming the vibration source is a loaded maintenance truck, per FTA guidance), would be less than 72 VdB (the level at which “vibration [is] not feelable” per FTA guidance) and thus not expected to generate a groundborne vibration or noise impact.

- c) Cause a substantial permanent increase in the ambient noise levels in the project vicinity above levels existing without the project?**

*Less Than Significant Impact.* While temporary construction activities could result in intermittent increases in noise levels, once operational, noise associated with the proposed project would occur from sports and recreational activities. These would be limited to weekday, primarily after high school classroom hours (i.e., beginning at approximately 3:00 p.m.). Organized sports would generate noise due to players, referees and coaches. However, as discussed in Section 5.12 (a) above, noise levels generated would not be in excess of established City of Carlsbad guidelines. Therefore, impacts associated with a permanent increase in ambient noise would be less than significant.

- d) Cause a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?**

*Less Than Significant Impact.* As discussed in Section 5.12 (a) above, construction of the project would generate temporary noise that could expose nearby receptors to elevated noise levels that may disrupt communication and routine activities. After construction, anticipated sources of noise would occur from sports and recreational activities. The existing noise levels at the project site range from 49 to 51 dBA Leq CNEL. Existing noise levels measured at the site were well below 65 dBA CNEL threshold described in the City of Carlsbad Noise Guidelines Manual for outdoor spectator sports, playgrounds, and neighborhood parks. Therefore, construction and operation of the project would not cause a substantial temporary or periodic increase in ambient noise levels and the impact would 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 expose people residing or working in the project area to excessive noise levels?**

*No Impact.* The project is not located within an airport land use plan or within two miles of a public airport or a public use airport. See Section 5.8 Hazards and Hazardous Materials, (e). Therefore no impact would occur.

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

*No Impact.* There are no private airstrips located in the vicinity of the project. The nearest private landing pad is the Pat Coyle Memorial Heliport, located approximately eight miles northeast of the project site. Use of the heliport is intermittent, and at this distance, noise from heliport operations would not be audible at the project site. No impact would occur.

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Environmental Initial Study Checklist

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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**5.13 POPULATION AND HOUSING**

Would the project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

*No Impact.* The purpose of the project is to provide recreation facilities to serve the community and District recreation needs. The athletic fields would be used by existing residents and existing students. Therefore, the project would have no impact on the population growth of the area.

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

*No Impact.* The project site is currently vacant; therefore the project would not displace existing housing and would have no impact on existing housing.

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

*No Impact.* The project would not displace any people because the site is not inhabited.

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	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.14 PUBLIC SERVICES

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

Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) **Result in substantial adverse physical impacts associated with the provision of or 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 public services:**

i) **Fire Protection?**

**No Impact.** The project would develop athletic fields, and a multi-purpose building that would require fire protection. Fire protection for the project would be provided by Fire Station 6, which is located approximately 1.5 miles from the project site at 7201 Rancho Santa Fe Road, on the corner of La Costa Avenue. This fire station was planned as part of the La Costa Valley community to serve the land uses within the community, which is where the project is located. Therefore, implementation of the project would not result in an impact to fire protection services and new fire protection facilities would not be required.

ii) **Police Protection?**

**No Impact.** As discussed in Section 5.14 (a)(i) above, the La Costa Valley area has been specifically designed with consideration of the requirements for police protection, and is currently served by the Carlsbad Police Department, which is located at 2560 Orion Way off of El Camino Real. Because development of La Costa Valley is part of the Arroyo La Costa Master Plan, its development has been anticipated and is taken into account when the City determines the provision of police facilities for La

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Costa Valley. Therefore no new facilities are necessary to provide police service to the project and no impact would occur.

**iii) Schools?**

**No Impact.** The purpose of the project is to provide athletic fields and a multi-purpose building to serve the needs of the District and the surrounding communities. A middle school at the La Costa Valley site is no longer needed to meet future student demand. Because the project would not increase the surrounding population, it is anticipated to have no impact on the demand for schools facilities.

**iv) Parks?**

**No Impact.** The project would not result in an increase in population that would create additional demand for recreational facilities, such as parks. Furthermore, the project would result in an increase of recreational facilities that would be used by the District students and the community. Therefore, the project would not create a demand for parks resulting in no impact to surrounding park facilities.

**v) Other public facilities?**

**No Impact.** The project is not anticipated to impact other public facilities such as libraries or infrastructure because it would not result in an increase in population. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.15 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**a) 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.** See the discussion provided in Section 5.14 Public Services (a)(iv), above. The project would not result in an increase in the surrounding population, which would create an increase in demand for recreational facilities. Therefore, the project would not substantially increase the usage of recreational facilities and no impact would occur.



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- b) **Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse effect on the environment?**

*Less Than Significant Impact with Mitigation Incorporated.* Athletic fields would be constructed as part of the project, as well as a multi-purpose building that is anticipated to have some significant mitigated environmental impacts, which are described in this Initial Study and the Mitigation Monitoring and Reporting Program (MMRP). These are mitigation measures *Aes-1, Hyd-1, Hyd-2 and Trans-1*, which would lessen impacts from the construction and operation of these recreational facilities with regard to nighttime glare and spillover lighting, potential stormwater contamination, and transportation and traffic. Therefore, the project would result in a less than significant impact with mitigation incorporated into the project.

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.16 TRANSPORTATION/TRAFFIC

Would the project:

- |   |                          |                                     |                                     |                                     |
|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit? | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that result in substantial safety risks?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| e) Result in inadequate emergency access?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

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- a) **Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?**

*Less Than Significant Impact.* The project would not substantially increase the amount of vehicular traffic in the surrounding areas as identified in the Trip Generation Project Access Analysis prepared by Darnell and Associates for the project and included in Appendix B. Development of the project would generate approximately 1,036 new daily trips, with 41 occurring in the AM peak period and 93 occurring in the PM peak period. This traffic would be added to the surrounding existing street and roadway system. The project traffic would access the site from Calle Barcelona, which is a secondary arterial. According to the City of Carlsbad General Plan, Circulation Element, secondary arterials provide limited access to adjacent properties, serve to move traffic between collector streets and larger arterials or the freeways, have two traffic lanes in each direction with a painted median, and carry moderate traffic volumes (estimated average daily trips: 10,000 to 20,000). The capacity of this street is 25,000 Average Daily Traffic (ADT) at Level of Service (LOS) D. According to the City of Carlsbad 2009 Traffic Count Program, the traffic volume on Calle Barcelona between El Camino Real and Paseo Aliso was 12,500 daily weekday trips. Calle Barcelona from Paseo Aliso to Paseo Avellano was 10,500 daily weekday trips (City of Carlsbad 2009). The addition of 1,036 daily trips to Calle Barcelona from the project (totaling 13,536 ADT) is well within the moderate traffic volume (10,000 to 20,000 ADT) capacity of Calle Barcelona and therefore would not substantially increase the amount of vehicular traffic in the surrounding area. Calle Barcelona would continue to carry moderate traffic volumes expected of secondary arterials. Appendix B includes the complete findings of the Trip Generation Project Access Analysis.

The project site was identified for development of a new middle school in the Arroyo La Costa Master Plan. The Arroyo La Costa Master Plan area incorporates a circulation system with the appropriate network to serve the land uses in the existing community, including a future middle school, where the project is located. Furthermore, as explained above, the addition of proposed project traffic to the existing traffic on Calle Barcelona would be within the capacity of the roadway. Therefore, implementation of the project would not conflict with any plan, policy, or ordinance regarding the performance of a circulation system.

The Arroyo La Costa Master Plan identifies trail circulation, paved trails and paths, multi-purpose trails and paths (for both pedestrian and bicycle use), bicycle lanes, and unpaved paths and trails (for biking, hiking and horseback riding) as avenues for alternative transportation. Development of Calle Barcelona required an additional 15-foot easement on both sides of the right-of-way for meandering bicycle and pedestrian trails which were constructed from El Camino Real through "C" Street. Because the project's design would not conflict with any existing pedestrian, bicycle, hiking or horseback trails or paths, the impacts are considered less than significant.

The closest bus stop to the project site is located near the corner of Calle Barcelona and El Camino Real, approximately 3,200 feet from the entrance to the site. Therefore, the project would not impact mass transit service lines. Students would be responsible for transportation to and from the project site because

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no school busing would be provided by the District for users of the project facilities. Because the project's design would not conflict with existing bus routes, impacts are considered to be less than significant.

- b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?**

*Less Than Significant Impact.* The 2008 Update to the Congestion Management Program (CMP) prepared by the SANDAG (SANDAG 2008) sets forth the criteria for which a project is subject to the CMP, which is the project's trip generation. Currently, the CMP trip generation threshold is a minimum of 2,400 ADT or 200 peak hour trips. The Trip Generation Project Access Analysis (Appendix B) concludes that the project is estimated to generate 1,036 new daily trips, and 41 new AM peak hour trips and 93 new PM peak hour trips and is therefore, not subject to CMP guidelines. While the project would increase traffic in the project area, it does not meet CMP guidelines thresholds and is therefore considered less than significant.

- c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that result in substantial safety risks?**

*No Impact.* The nearest airport to the project site is McClellan-Palomar Airport, located approximately five miles north of the project site. According to the McClellan-Palomar Airport Land Use Compatibility Plan (ALUCP), the project site is not located within the Airport Influence Area for this airport. The Influence Area encompasses those areas adjacent to airports which could be impacted by noise levels exceeding the California State Noise Standards or where height restrictions would be needed to prevent obstructions to navigable airspace. The project does not include any component that would obstruct or change air traffic patterns and, therefore, no impact to air traffic patterns would occur.

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

*Less Than Significant Impact with Mitigation Incorporated.* The project would develop athletic fields and a multi-purpose building on land set aside for school development consistent with the Arroyo La Costa Master Plan. Access to the site is proposed via a two-lane access road connecting to Calle Barcelona on the south side of Calle Barcelona opposite the La Costa Valley Master Association recreation facility. The project would require centerline striping on the project access road and a stop sign and limit line on project access road where it meets Calle Barcelona. In addition, Calle Barcelona would be restriped to provide a dedicated left-turn lane for westbound Calle Barcelona turning left onto the project access road. The addition of this turn lane would not increase traffic hazards and instead is included to improve traffic flow for vehicles entering the project site. The mitigation measures described above are listed in detail below under *Trans-1*, which would reduce impacts to a less than significant level.

*Trans-1*

- a. A minimum of 50 feet of centerline striping shall be provided on the project access road approach to Calle Barcelona and a stop sign and limit line shall be installed to control traffic entering Calle Barcelona from the project site.

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Calle Barcelona shall be restriped east of the project access to provide a dedicated left-turn lane for westbound Calle Barcelona traffic turning left into the project site.

- b. The District shall be responsible for installation of all signing and restriping in conformance with the standards and guidelines found in the California Manual on Uniform Traffic Control Devices (MUTCD). The District shall adhere to the California MUTCD for all signing, striping and pavement markings (FHWA’s MUTCD 2003Revision 1, as amended for use in California); the Caltrans Standard Specifications (latest version); and any City of Carlsbad plans and special provisions.

**e) Result in inadequate emergency access?**

*No Impact.* Emergency access to the project site would be provided via Calle Barcelona, a four-lane roadway with a median. Emergency access onsite is part of the project’s design which provides internal direct access roads to the various athletic fields and the proposed multi-purpose building. Therefore, no impact to emergency access to the project site would occur.

**f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?**

*No Impact.* The project would be consistent with the Arroyo La Costa Master Plan and the City of Carlsbad General Plan, Circulation Element. The Arroyo La Coast Master Plan incorporates a circulation system that includes roadways for vehicles, public transit, and bicycle/pedestrian facilities. Consistency with the Arroyo La Costa Master Plan ensures that the project would not conflict with adopted policies, plans, or programs supporting public transit. The project would not include any feature that would decrease the performance or safety of public transit, bicycle or pedestrian facilities and therefore no impact would occur.

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.17 UTILITIES AND SERVICE SYSTEMS

Would the project:

- |  |                          |                                     |                                     |                          |
|--|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?          | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

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	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?**

*Less Than Significant Impact.* The project site is located within the Leucadia Wastewater District, with wastewater from this district treated at the Encina Water Pollution Control Facility (EWPCF), located in Carlsbad. The City of Carlsbad wastewater system would provide sewage disposal for the multi-purpose building and restrooms via a gravity flow system. Sewage from the project site would be conveyed to the EWPCF for treatment and disposal. The City of Carlsbad's capacity rights at the EWPCF is 10.26 million gallons per day (mgd). According to the Urban Water Management Plan (City of Carlsbad 2011), the City of Carlsbad conveyed approximately 8.39 mgd (9,400 acre feet per year [afy]) of wastewater to the EWPCF in 2010, and is forecasted to convey 10 mgd (11,200 afy) in 2035. The growth of continually urbanizing areas such as La Costa Valley, where the project is located, has been accounted for within the City of Carlsbad 2010 Urban Water Management Plan. Because the Arroyo La Costa Master Plan has accounted for the growth of the community, including a new middle school, the City of Carlsbad and EWPCF would have the capacity to receive and treat the additional wastewater resulting from the project. The additional wastewater generated by the project would also not affect the wastewater treatment requirements of the RWQCB for the EWPCF because the wastewater generated by the project would be typical of that treated by the EWPCF. Therefore impacts would be less than significant.

**b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

*Less Than Significant with Mitigation Incorporated.* No expansion of water or wastewater treatment facilities would be required to accommodate the project. A middle school was planned for the La Costa Valley site in the Arroyo La Costa Master Plan, which anticipated future student population growth forecasts. No new water or wastewater treatment facilities or expansion of existing facilities were

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required for a middle school at the La Costa Valley site. Therefore, no new water or wastewater treatment facilities or expansion of existing facilities would be required to accommodate the project.

While there would be a slight increase in water usage, there would not be a substantial increase in the demand for water or wastewater treatment. The project would require the extension of existing water and wastewater lines to connect the project to existing infrastructure within the adjacent Calle Barcelona. These water/sewer infrastructure improvements have been included in the project's limit of impacts and are addressed in the various sections of this Initial Study Checklist. The applicable mitigation measures identified in Section 7.0, Mitigation Monitoring and Reporting Program, would be implemented during construction of utilities infrastructure to reduce impacts from the construction of these facilities to a less than significant level. Also, see the discussion above in Section 5.17 (a) Utilities and Service Systems. Therefore, the project would result in a less than significant impact with mitigation incorporated.

- c) **Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

*Less Than Significant with Mitigation Incorporated.* Development of the project would result in an increase in impervious surfaces on the project site and would therefore increase stormwater runoff from the project site. The project would require the construction of new, or extension of existing, storm water drainage facilities on the project site, the construction and installation of which could have significant environmental effects. The impacts from these facilities are therefore addressed in the various sections of this Initial Study Checklist. The applicable mitigation measures identified in Section 7.0, Mitigation Monitoring and Reporting Program, would be implemented during construction of the drainage infrastructure to reduce impacts from the construction of these facilities to a less than significant level.

- d) **Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?**

*Less Than Significant Impact.* The project would be dependent on water for drinking, sanitation, fire protection, and landscape irrigation. With operation of the project, water use would increase due to activities such as landscaping and potable water uses. A middle school was planned for the project site in the Arroyo La Costa Master Plan, which included water demand. In addition, the supplies necessary to serve the La Costa Valley area, along with existing and other uses, have been identified in the water supply planning documents of the water agencies. Water transfers, canal lining projects, and future seawater desalination facilities would provide additional sources of water for future use in the San Diego County region; therefore, the City of Carlsbad's total projected water supplies during the next 20 years would be sufficient to meet the increase in water demand resulting from implementation of the project. Furthermore, the project would incorporate design features to conserve water use (see Section 3.3.5). Impacts to water supply availability as a result of the implementation of the project would therefore be less than significant.

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- e) **Result in determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?**

*Less Than Significant Impact.* Wastewater treatment is provided by the Encina Wastewater Authority (EWA) through the EWPCF, located in Carlsbad. Sewage from the project site would be conveyed to the EWPCF for treatment and disposal. The City of Carlsbad's capacity rights at the EWPCF is 10.26 million gallons per day (mgd). According to the Urban Water Management Plan (City of Carlsbad 2011), the City of Carlsbad conveyed approximately 8.39 mgd (9,400 acre feet per year [afy]) of wastewater to the EWPCF in 2010, and is forecasted to convey 10 mgd (11,200 afy) in 2035. Therefore, the EWPCF has adequate capacity to serve the project (City of Carlsbad 2011). See the discussion provided above in Section 5.17 (a) Utilities and Service Systems.

- f) **Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?**

*Less Than Significant Impact.* Implementation of the project would result in increased solid waste generation and disposal due to construction and operation activities, although the project would not increase the surrounding population. The project would be served by the Otay Landfill in Chula Vista, which is anticipated to close in 2022. According to the *County Integrated Waste Management Plan (CIWMP)* (County of San Diego 2005), two landfill projects are being planned that would increase San Diego County's landfill capacity through 2037: the phased expansion of the existing Sycamore Canyon Landfill and the new Gregory Canyon landfill located off SR-76 near Fallbrook. The expansion of Sycamore Canyon Landfill would increase its total capacity to 151 million cubic yards, while the new Gregory Canyon Landfill would accommodate 33.4 million tons of solid waste. The Sycamore Canyon Landfill expansion was approved unanimously by the City Council of San Diego on September 17, 2012 (City Council of San Diego 2012), and the Gregory Canyon Landfill project is in the permitting process. The combined effect of these two projects, along with the District's continued achievement of their 50 percent landfill diversion goal for the campus (through construction and post-construction recycling programs), would provide adequate landfill capacity to serve the solid waste disposal needs of the project.

In the event the Gregory Canyon landfill project is not approved, the CIWMP would be revised to identify alternative solid waste disposal sites, or solid waste generated within the County of San Diego would be exported to landfills outside the service area with appropriate capacity. Therefore, the planned increase in Countywide landfill capacity and continued implementation of the District Recycling and Waste Diversion Program (refer to the discussion below in Section 6.17 (g)) Utilities and Service Systems would ensure that impacts to landfill capacity from increases in solid waste generated by the project would be less than significant.

- g) **Comply with federal, state, and local statutes and regulations related to solid waste?**

*Less Than Significant Impact.* In accordance with AB 939, California Integrated Waste Management Act of 1989, the District has a target recycling and waste diversion rate of at least 50 percent. The project would therefore include a number of recycling programs to meet this goal. These include containers that would be placed next to trash cans throughout the site. In addition, the multi-purpose building would be supplied with recycling containers. The District also recycles green waste from campus landscaping.

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Solid waste generated as part of the project would comply with all applicable federal, state and local regulations pertaining to solid waste. Impacts would therefore be less than significant.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### 5.18 MANDATORY FINDINGS OF SIGNIFICANCE

- |  |                          |                                     |                                     |                          |
|--|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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

*Less Than Significant Impact with Mitigation Incorporated.* As discussed in Section 5.4, Biological Resources, implementation of the proposed project with mitigation **Bio-1**, would result in no significant impacts to biological resources including sensitive plant or wildlife species, sensitive vegetation communities, jurisdictional waters, or wildlife corridors. Further, as discussed in Section 5.5, Cultural Resources, implementation of the project would result in no impacts to historical, paleontological, or known archaeological resources. Regarding unknown archaeological impacts, it is unlikely that implementation of the project would significantly impact these resources due to the amount of ground surface disturbance that has already occurred on the project site. Finally, the project would not degrade the quality of the environment, given the mitigation measures identified that have been incorporated into the project.

**b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are**



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**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.* Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time. The cumulative impacts analysis determines whether a proposed project's incremental effects would be considerable when viewed in connection with the effects of past, current, or probable future projects.

Past projects in the vicinity of the project include residential development, the Coastline Community Church, and the La Costa Valley Master Association recreation facility that were completed as part of the Arroyo La Costa Master Plan. These past projects are included as part of the baseline condition used in the analysis provided above in the Initial Study, and, therefore, the project's contribution to effects from past projects in the vicinity would not be cumulatively considerable.

Factors considered when determining whether to include a project in this cumulative analysis of present or probable future actions include the nature of each environmental resource being examined, time of project implementation, type of project, and location of the project. Cumulative projects relevant to one environmental issue may not be relevant to another. The cumulative analysis will define the geographic scope of the area affected by the cumulative effect and provide an explanation for the geographic limitation used. The location of related and cumulative projects would be within the project vicinity for most environmental issues, because the project's contribution to cumulative impacts would generally be limited to this area. The geographic scope for Air Quality, Greenhouse Gas Emissions, and Hydrology and Water Quality, however, would vary because these elements of the environment have a larger area of potential effect.

For the environmental topics discussed below, a cumulative impact is not deemed significant if the effect would be essentially the same whether the proposed project is implemented or not. Further, in discussing the cumulative impacts, one question and a possible follow-up question will be answered for each environmental topic: 1) Overall, will there be a significant cumulative impact; and 2) If it is determined that a significant cumulative impact exists, would the proposed project's contribution to this significant impact be cumulatively considerable.

Table 5.18-1 Cumulative Projects provides a list of all the present and probable future projects within the project area known to the City of Carlsbad and City of Encinitas planning staff as of January 2014, which is the time of preparation of this IS/MND.

**Table 5.18-1  
Cumulative Projects**

Name	Location	Description	Cumulative Issues of Particular Relevance
La Costa Glen	Main Entrance at El Camino Real and Levante Street, Carlsbad; approx..	Increase in number of beds by 17 at Glenbrook at La Costa Glen Retirement Community, skilled nursing facility.	Air Quality, Hydrology and Water Quality, Noise, Transportation/Traffic

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Name	Location	Description	Cumulative Issues of Particular Relevance
	2,500 feet west from the project site.		
La Costa Towne Center	Rancho Santa Fe Road and La Costa Avenue, Carlsbad; approx.. 6,000 feet northeast from the project site.	Mixed use development includes the demolition of the old Vons Grocery Store. Total net gain of 3,000 square feet of retail and 60 apartments.	Transportation/Traffic
La Costa Town Square	El Camino Real and Alga Road, Carlsbad; approx.. 10,000 feet north from the project site.	Mixed use development center with approximately 267,000 square feet of community shopping center. Project includes 63 luxury single-family detached units and 2 office buildings. The north side of the project includes an additional 32 residential units.	Transportation/Traffic
Desert Rose Subdivision	Northeast of the intersection of Desert Rose Way and Dove Song Way, Encinitas; approx.. 10,000 feet southeast from the project site.	Residential project includes the subdivision of 7.87 acres into 16 residential lots. The subdivision would consist of 16 single-family residential lots and one private street lot. The private street lot would consist of a cul-de-sac providing access to the project site. The residential lots would range in net size from 8,114 square feet to 59,025 square feet.	Transportation/Traffic
Rancho Summit Estates	South of the Old San Marcos Landfill and Olivenhain Municipal Water District water tank; approx.. 16,000 feet east from the project site.	Residential project includes the subdivision of 112 acres into 28 one-acre minimum lot sizes. The subdivision would consist of 28 single-family residential lots.	Transportation/Traffic

Due to the distance of the project from these present and probable future projects, only the La Costa Glen project could have the greatest potential for a cumulative impact. The following discussion of cumulative impacts is organized by each environmental topic addressed for the project that could result in a considerable contribution to a cumulative impact. At the beginning of each topical discussion, a description of the area of influence for each topic is provided followed by an analysis of the cumulative effects.

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### 5.18.1 Aesthetics

The aesthetics discussion includes scenic views and vistas, scenic resources, visual character, and light and glare. The area that would be considered for the aesthetics cumulative effects analysis is defined as the viewshed for the project site, because aesthetic impacts would be limited to the viewshed surrounding the project site. The project is located adjacent to the La Costa Valley Master Association recreation area, the Coastline Community Church, within a planned community that is built-out with residences. The La Costa Glen project is not within the viewshed of the project site, located approximately 0.5 mile to the west with intervening vegetation, structures and topography. Therefore, a significant cumulative impact would not occur from the construction of the La Costa Glen project.

The project would not cause extensive view blockage. The project would develop recreation facilities for District and community use, which would be similar to existing recreation and residential uses in the area. Therefore, the project would not change the overall scenic quality of a visual resource or alter the visual character of the area. Mitigation *Aes-1* would be included in the design of the project to mitigate for potential spillover light from parking lot lighting and exterior safety and security lighting. Therefore, the project's contribution to cumulative aesthetics impacts would be less than significant and not cumulatively considerable.

### 5.18.2 Agriculture and Forest Resources

The project site is located on "Other Land" as defined by the State of California on its Important Farmlands Map. The project vicinity is primarily "Urban and Built-up Land." There are no important farmlands mapped in the project vicinity (California Department of Conservation 2010). The cumulative projects listed in Table 5.18-1 sites have been previously developed or graded and native soils that would support agricultural operations have been removed. Therefore, cumulative projects would not result in a significant cumulative impact to agriculture resources.

No forestry resources are located within the project site or surrounding areas. Therefore, cumulative impacts to forest resources would not occur.

### 5.18.3 Air Quality

The geographic context for the analysis of cumulative impacts relative to consistency with air quality plans is the SDAB. The RAQS and SIP are intended to address cumulative impacts in the SDAB based on future growth predicted by SANDAG in the 2030 Regional Growth Forecast Update. SANDAG uses growth projections from the local jurisdictions' adopted general plans; therefore, development consistent with the applicable general plan would be generally consistent with the growth projections in the air quality plans. Cumulative development generally would not be expected to result in a significant impact in terms of conflicting with RAQS because the cumulative projects would be required to demonstrate that the proposed development is consistent with local planning documents. The La Costa Glen project, located approximately 0.5 mile to the west, was permitted to increase the number of beds at the existing retirement community. The La Costa Towne Center project is a mixed use project located approximately 1.2 miles northwest of the project site, which includes a net gain of 3,000 square feet of commercial space and 60 new apartments. The La Costa Town Square project has been in construction and is expected to be

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completed in 2014. These projects would be consistent with the existing City of Carlsbad General Plan and would not exceed the SANDAG growth projections. The Desert Rose Subdivision and Rancho Summit Estates are located in the City of Encinitas approximately 1.5 miles southeast and 3.4 miles east, respectively. Both projects would be consistent with the Encinitas General Plan and would not exceed the SANDAG growth projections. The proposed project is consistent with the existing City of Carlsbad General Plan and would not exceed the SANDAG growth projections. Furthermore, based on the analysis presented in Section 5.3 (b) Air Quality, implementation of the project would not exceed any screening level significance thresholds for operational impacts. Therefore, operation of the proposed project would not result in a cumulatively considerable contribution to a potentially significant air quality impact.

As discussed above in Section 5.3 (b) Air Quality, construction of the project would not exceed established thresholds for criteria air pollutants. A localized pollutant concentration analysis is applicable to the analysis of cumulative impacts of construction emissions because construction emissions would be temporary. Based on an air emissions dispersion equation used by the South Coast Air Quality Management District (SCAQMD) to determine localized PM<sub>10</sub> concentrations, a significant cumulative impact would occur if two projects are located close enough to each other that their combined construction emissions would exceed the screening level significance thresholds. The accepted distance is generally 150 meters (500 feet), beyond which PM<sub>10</sub> concentrations generally decrease by approximately 99.9 percent (SCAQMD 2008). The La Costa Glen project is approximately 2,500 feet to the west. Therefore because La Costa Glen is more than 500 feet from the project site, short-term emissions from construction would not present a localized health concern if construction and would exceed the significance thresholds. The remaining cumulative projects listed in Table 5.18-1 that could occur concurrently with the proposed project and result in pollutant emissions during construction are located more than 500 feet from the project site and therefore, a cumulative impact would not result from construction of these projects. In addition, the emissions associated with the proposed project construction activities would be of relatively short duration. Therefore, the proposed project would not result in a cumulatively considerable net increase in nonattainment pollutant emissions during construction

The geographic context for the analysis of cumulative impacts relative to exposure of sensitive receptors to carbon monoxide hot spots would be the nearby intersections of Calle Barcelona and El Camino Real and Calle Barcelona and Rancho Santa Fe Road, because the Project's potential traffic impacts are limited to these intersections. However, the AM and PM period traffic project's contribution to traffic at these intersections is below the City of Carlsbad 50 trips peak period contribution at an intersection requirement to conduct a traffic study for the project. Therefore, the project is below the threshold that would result in a considerable contribution to a cumulative effect. As a result, a carbon monoxide hot spot would not occur with implementation of the proposed project and cumulative projects. The cumulative impact related to carbon monoxide hot spots would be less than significant.

### 5.18.4 Biological Resources

The discussion of biological resources includes flora and fauna and their related habitats. The area of cumulative projects that would be considered for the biological resources cumulative effects analysis varies depending on the species or habitat that may be impacted. Because sensitive biological resources are identified due to their scarcity (e.g., threatened and endangered) throughout their range, impacts to

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these species are considered cumulatively significant. The project site is located within the City of Carlsbad Habitat Management Program (HMP) area. The HMP constitutes the City's subarea (city-specific) plan within the County of San Diego's Multiple Habitat Conservation Program (MHCP) Subregional Plan for north coastal San Diego County. The La Costa Glen retirement community is located adjacent to a private open space preserve within the HMP area. The addition of beds at the facility, however, would not result in a cumulatively considerable contribution to a significant cumulative impact because it would not directly or indirectly impact sensitive habitat. The proposed project site is not located within an HMP preserve area or MHCP core or linkage area, rather, the project site is located within a developed area of La Costa Valley and is not contiguous to any natural habitat or open space areas.

The Desert Rose Subdivision and Rancho Summit Estates projects would occur on undeveloped areas within the City of Encinitas and have the potential to contain sensitive biological resources. These cumulative projects, however, would be required by CEQA to implement measures designed to mitigate potential impacts to biological resources. All other cumulative projects listed in Table 5.18-1 occur in developed areas of the City of Carlsbad. The project site was previously mass graded and contains no sensitive plant species. Implementation of *Bio-1* would ensure that the project would not impact sensitive wildlife species. Therefore, implementation of the project would not affect any candidate, sensitive or special status species and the project's contribution would not be cumulatively considerable.

### 5.18.5 Cultural Resources

The cultural resources discussion includes archeological, paleontological, and historic resources. The area of projects that are considered for the cultural resources cumulative effects analysis is defined as the project site and surrounding area. If known historical resources and archaeological resources have been identified on any of the cumulative project sites identified in Table 5.18-1 Cumulative Projects, the individual cumulative projects would be required to mitigate potential impacts in accordance with CEQA. Due to the scarcity and sensitivity of archeological, paleontological, and historic resources, impacts to such resources could result in a significant cumulative impact to cultural resources. However, no known cultural resources occur on the project site, and due to the high level of ground surface disturbance on the project site, there is little potential for unknown buried resources to occur. Therefore, the project's contribution would not be cumulatively considerable.

### 5.18.6 Geology and Soils

The geology section discusses impacts to structures as a result of seismic events and the stability of soils. The geographic context for the analysis of impacts resulting from seismic ground shaking and soil stability is generally site specific, rather than cumulative in nature, because each development site has unique geologic considerations that would be subject to uniform site development and construction standards. In this way, potential cumulative impacts resulting from geologic, seismic, and soil conditions would be minimized on a site-by-site basis to the extent that modern construction methods and code requirements provide. The structural design for all of the cumulative projects would be required to comply with all applicable public health, safety, and building design codes and regulations to reduce seismic and geologic hazards to an acceptable level. Therefore, because all applicable codes and

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regulations would be met, the project, along with the identified cumulative projects, would not result in a significant cumulative geologic or seismic impact.

### 5.18.7 Greenhouse Gases

The geographic context for the analysis of impacts related to GHGs is worldwide. The existing annual global GHG contributions to the GHG inventory are considered cumulatively significant. The discussion of the project's GHG emissions and its impact on global climate are addressed in terms of the project's contributions to a cumulative impact on the global climate. Because the project would include construction practices that are consistent with strategies recommended by CAPCOA, and other state agencies, and GHG emissions would cease upon completion of construction, implementation of the project would not generate GHG emissions during construction, either directly or indirectly, that would conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of GHG.

Operation of the project would include a number of GHG-reducing measures that would reduce energy use and thereby reduce GHG emissions. These include:

- Building Envelope/Energy Conservation
- Daylighting – Building Orientation to Minimize Lighting and Air Conditioning Demands
- User Control/Operational Performance
- High Efficiency HVAC

As shown in Table 5.7-1, operation of the project would result in maximum unmitigated emissions of approximately 740 metric tons of CO<sub>2</sub>e per year. The project-estimated GHG emissions during operation are below the CEQA significant GHG threshold of 2,500 metric tons per year proposed in San Diego County CEQA climate change guidance. The project would also incorporate many of the measures recommend by CAPCOA and other state agencies to reduce GHG emissions during operation. With implementation of the measures described above, the project would be consistent with the vision for California established in the Climate Change Scoping Plan (CARB 2008) and implementation of the project would not generate GHG emissions, either directly or indirectly, that would conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of GHG, including AB 32. The proposed project would therefore not result in a cumulatively considerable contribution to cumulative GHG emissions.

### 5.18.8 Hazards and Hazardous Materials

The hazards section discusses the potential for the accidental release of hazardous materials, the potential for the creation of a public health hazard, or the increased likelihood of a wildfire. The geographic context for the analysis of cumulative impacts from hazards is limited to the proposed project site and adjacent properties because hazards are generally site specific and would not combine with impacts from other projects to result in cumulative impacts. None of the cumulative projects listed in Table 5.19-1 propose industrial land uses or other land uses that would require the transportation, use, or disposal of

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hazardous materials other than oil and hydrocarbons associated with construction, standard cleaning products, and landscaping products during operation. Construction and operation of the project would adhere to the existing hazardous materials regulations currently in place, such as training and proper labeling and storage of chemicals, which would ensure that the project would not pose a significant risk to the environment through the routine use, transport, storage, and disposal of typical household/industrial hazardous chemicals. Therefore, operation of the cumulative projects identified in Table 5.18-1 would not result in a significant cumulative impact.

The La Costa Glen, La Costa Towne Center, Desert Rose Subdivision, and Rancho Summit Estates projects are located adjacent to open space areas that have wildfire potential. The La Costa Towne Center and Rancho Summit Estates projects are located within a Very High Fire Hazard Severity Zone mapped by the California Department of Forestry and Fire Protection (Cal Fire) (Cal Fire, 2009). Regulations exist, however, that would reduce hazards associated with wildland fires that would further reduce cumulative project risk to below a level of significance. Implementation of the proposed project would not expose people or new structures to increased risks associated with wildland fires because of its location in a developed area. Therefore, the cumulative impact associated with wildfire would be less than significant.

### 5.18.9 Hydrology and Water Quality

The following discussion involves both surface water quality and hydrology. The area that would be considered for the hydrology/water quality cumulative effects analysis is defined as the projects downstream of the project in the Carlsbad Hydrologic Unit.

**Water Quality.** Surface water quality may be affected by an increase in activities that generate pollutants, which, in turn, could result in water quality impacts to downstream receiving waters. Future development projects in the City of Carlsbad would be subject to the standards of the City's Storm Water Protection Program requirements and National Pollutant Discharge Elimination System (NPDES) permit regulations, which would require that source control and nonpoint source BMPs be employed to control potential effects on water quality and that storm water quality control devices be incorporated into project design to collect sediment and other pollutants. Similarly, future development projects in the City of Encinitas would be subject to the standards of the City of Encinitas Clean Water Program as well as NPDES regulations. It is anticipated that all cumulative projects identified in Table 5.19-1 would comply with these mandated measures to control pollution or they would not be approved. These cumulative projects, as part of their development, would minimize those water quality effects where the cumulative project site is a pervious surface. Compliance with the standards of respective city requirements would ensure that a significant cumulative impact to surface water quality would not occur.

The District's SWMP identifies post-construction site design/source-control BMPs to mitigate downstream water quality impacts from storm water and non-storm water runoff pollutants associated with operations. The City of Carlsbad Storm Water Protection Program requirements are applicable to all other development in the region but are not directly applicable to the District, which is an independent jurisdiction that is independent of local land use and development requirements generally governed by local jurisdictions. Without voluntary compliance with the most current water quality requirements, the 2006 SWMP would be inadequate to protect water quality from the operation of the project because it

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would not provide water quality protection to the same standards as other developments within the region. Therefore, impacts to water quality from operation of the project would be potentially significant.

To reduce this impact to a less than significant level, mitigation measure **Hyd-1** would be implemented, in which the 2006 SWMP would be updated to voluntarily incorporate the Countywide Model Standard Urban Stormwater Mitigation Plan (SUSMP). As part of compliance with the SUSMP, a report equivalent to a Water Quality Technical Report shall be prepared for the project using the City of San Diego 2010 SUSMP as guidance to ensure that water quality impacts would be less than significant. Therefore, with implementation of mitigation measure **Hyd-1**, the proposed project's cumulative impact would be reduced to a less than significant level.

**Hydrology.** Impermeable surfaces, constructed under implementation of a cumulative project, could have the potential to contribute substantial quantities of runoff which would exceed the capacity of existing stormwater drainage systems, while contributing to substantial additional sources of polluted runoff. The proposed project and the projects listed in Table 5.19-1, with the exception of the La Costa Glen project which provides an increase in the number of beds at the existing facility, would have the potential to increase impervious surfaces and substantially alter existing drainage and increase stormwater flows. The projects listed in Table 5.19-1, however, would be required to comply with current regulations and standards of Carlsbad and Encinitas. Additionally, the cumulative projects would be subject to CEQA review, and local regulations that require development to construct or retrofit stormwater drainage systems so that they would not cause flooding. The project would implement BMPs during construction in compliance with the Construction General Permit which would reduce the potential for alterations in drainage during construction activities to a less than significant level. Mitigation measure **Hyd-2** requires a drainage study be prepared and its features implemented to maintain a maximum 50 year peak runoff storm event from the project site. With implementation of this mitigation measure, the proposed project's cumulative impact would be reduced to a less than significant level. Therefore, a significant cumulative impact would not occur.

### 5.18.10 Land Use and Planning

The cumulative land use and planning analysis addresses consistency with adopted planning documents and compatibility with existing land uses. The area of projects that would be considered for the land use cumulative effects analysis is the City of Carlsbad and City of Encinitas. The cumulative projects identified in Table 5.19-1, would be required to be consistent with the City of Carlsbad and City of Encinitas General Plans, applicable community or specific plans, and applicable City zoning requirements (or be subject to an allowable exception). The cumulative projects would also be subject to CEQA, mitigation requirements, and possibly design review for project approvals to occur. Through these requirements, future development projects would be designed to be consistent with applicable land use plans, policies and regulations or they would not be approved. The proposed project is consistent with the City of Carlsbad General Plan, zoning ordinance, and the Arroyo La Costa Master Plan for the site. Therefore, the cumulative land use impact would be less than significant.



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### 5.18.11 Mineral Resources and Energy

The area of projects that would be considered for the energy and mineral resources cumulative effects analysis is defined as the San Diego region. The City of Carlsbad and City of Encinitas do not have any economically significant mineral resources. Because urban uses, such as residential and commercial development, would generally be considered inconsistent with mineral extraction activities, development of these uses in the vicinity of an area containing significant mineral deposits could hinder or preclude mineral extraction activities. Therefore, cumulative development within the region could result in the loss of availability of some mineral resources, which would result in a potentially significant cumulative impact. Construction within the project site, however, would not obstruct access to the areas of potentially significant resources or obstruct future potential mineral extraction in these areas. Therefore, the project's contribution would not be cumulatively considerable.

### 5.18.12 Noise

The noise section discusses increases in ambient noise. Noise, by definition, is a localized phenomenon and is progressively reduced as the distance from the source increases; specifically, noise levels decrease by 6 dB for every doubling of distance. Therefore, the area of projects that would be considered for the noise cumulative analysis would be those projects in the immediate vicinity of the project site. The nearest cumulative project to the Proposed Project is outside of the vicinity of the Project site, located approximately 0.5 mile west at the La Costa Glen Retirement Community. Therefore, this project would not contribute to potential cumulative noise impacts.

As the District has no adopted noise standards, the noise standards from the City of Carlsbad were used in the project-specific noise analysis, including the City of Carlsbad General Plan Noise Element. Construction of the project would generate noise that could expose nearby receptors to elevated noise levels that may disrupt communication and routine activities. Such receptors include community members using the La Costa Valley Master Community Association recreation facility, attendees of the Coastline Community Church, and residences.

Due to the proximity of the nearest residences (approximately 100 feet at the nearest location) construction of the project would have the potential to generate temporary noise that affects these sensitive receptors. The exterior hourly noise level at this noise sensitive land use due to the simultaneous operation of up to two pieces of construction equipment at any one time (e.g., gradall and dozer) would be approximately 75 dBA at the nearest residential location.

After construction, anticipated sources of noise would occur from sports and recreational activities. These would be limited to weekday, primarily after high school classroom hours (i.e., beginning at approximately 3:00 p.m.). Organized sports would generate noise due to players, referees and coaches. Individuals may use "raised" voices (65 dBA at 3.28 feet), "loud" voices (75 dBA at 3.28 feet), and mechanical whistles (82 dBA at 100 feet). Calculating the combined effect of 28 raised voices (occurring 80 percent of a given hour, at a distance of 100 feet [the distance to the nearest residence from the sideline of the closest athletic field]), 15 loud voices (occurring 40 percent of a given hour, at a distance of 100 feet), and one whistle (occurring 5 percent of a given hour, at a distance of 200 feet [the distance to the nearest residence from the center of the closes athletic field]) yields an aggregate noise level of 64 dBA.

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Therefore, because operation noise levels would be less than the City of Carlsbad's 65 dBA CNEL noise level significance threshold, and since construction noise would be temporary and occur only during ordinance-allowed daytime periods, a significant cumulative impact on surrounding noise-sensitive land uses would not occur.

### 5.18.13 Population and Housing

The population and housing discussion addresses impacts to growth rates and existing housing. The area of projects that would be considered for the population and housing cumulative effects analysis is defined as those in the City of Carlsbad and nearby City of Encinitas. The mixed-use cumulative projects include new residential and commercial development that would have the potential to induce growth in both cities. Therefore, a potentially significant baseline cumulative impact would occur. The proposed project would have no impact on population and housing because it would not provide or displace housing and would be constructed to serve the existing cities of Carlsbad and Encinitas population. Therefore, the project's contribution would not be cumulatively considerable.

### 5.18.14 Public Services

The public services discussion includes services such as fire and police protection, schools, and maintenance of public facilities. The area of projects that would be considered for the public services cumulative analysis is defined by the service areas for the City of Carlsbad Police and Fire Departments and the City of Encinitas Fire Department. Police services for the City of Encinitas are provided by the San Diego County Sheriff's Office. The cumulative projects listed in Table 5.19-1, with the exception of the La Costa Glen Retirement Community, would increase the number of buildings that would require service by the police and fire departments. Therefore, a potentially significant cumulative impact would occur. However, implementation of the Proposed Project would not significantly increase the need for fire services because it would not expand the service area of the Carlsbad Fire Department, which would serve the project, nor would it significantly increase the need for fire protection because the project would comply with all applicable state fire code requirements. The Project would not increase the demand for police projection, schools, parks, or other public facilities because the Project would not result in growth within the City of Carlsbad. Therefore, the project's contribution would not be cumulatively considerable.

The mixed-use and subdivision projects listed in Table 5.19-1 would increase the surrounding population, leading to an increased demand for school facilities. Therefore, a potentially significant cumulative impact would occur. The Proposed Project, however, would not increase the surrounding population, and therefore, would not require additional schools facilities. Furthermore, a junior high school at the La Costa Valley site is no longer needed to meet future student demand. Therefore, the Proposed Project's contribution to the demand for additional school facilities is not cumulatively considerable.

### 5.18.15 Recreation

The recreation discussion includes the potential for increased demand for recreational facilities and the potential to impact existing recreational opportunities. The area of projects that would be considered for the recreation cumulative effects analysis is defined as the City of Carlsbad. The cumulative development

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projects identified in Table 5.18-1 Cumulative Projects would result in a minor amount of increased population growth associated with the residential component of the mixed-use project and a proportional increase in the use of local and regional recreational facilities. The deterioration that would have the potential to occur to parks and recreational facilities within the region from regional population growth would be repaired and replaced with funding from various sources. As future residential development is approved within the City, in-lieu fees for parks or donation of parkland would be required as part of the individual development projects. Therefore, the baseline cumulative impact associated with recreational resources would be less than significant. The project's impact would not be cumulatively considerable.

### 5.18.16 Transportation/Traffic

The geographic context for the analysis of cumulative traffic impacts is the La Costa Valley community in the City of Carlsbad. Potential short-term construction and long-term operational impacts are discussed below.

**Short-Term Construction Traffic.** The proposed project and the cumulative projects listed in Table 5.19-1 would potentially be constructed at the same time and require construction parking. These projects could require truck trips to deliver and export material and equipment, and worker vehicle trips. If construction of several projects would occur at once, a temporary significant cumulative impact could occur. However, as discussed in Section 5.16, Transportation/Traffic, development of the proposed project would generate a maximum of 41 AM and 93 PM peak hour trips. Construction of the project would generate fewer trips. Construction traffic would access the site from Calle Barcelona, which is a secondary arterial. Secondary arterials carry moderate traffic volumes (estimated average daily trips: 10,000 to 20,000). As shown in Table 5.18-2, Average Weekday Traffic Volumes, Calle Barcelona, El Camino Real, and Rancho Santa Fe Road are within moderate traffic volumes expected of these surrounding streets and would continue to carry moderate traffic volumes with construction of the proposed project and the cumulative projects listed in Table 5.19-1. Due to the variability in construction schedules between projects, it is unlikely that enough construction traffic from the cumulative projects would be generated on a single day to result in a significant cumulative short-term traffic impact.

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**Table 5.18-2**  
**Average Weekday Traffic Volumes – 2009**

Primary Street	Street Type	First Cross Street	Second Cross Street	Average Weekday Volumes (Thousands)
Calle Barcelona	Secondary Arterial	El Camino Real	Paseo Aliso	12.5
Calle Barcelona	Secondary Arterial	Paseo Aliso	Paseo Avellano	10.5
Calle Barcelona	Secondary Arterial	Paseo Avellano	Rancho Santa Fe Rd	6.7
El Camino Real	Major Arterial	La Costa Ave	Levante St	33.3
El Camino Real	Major Arterial	Levante St	Calle Barcelona	31.6
El Camino Real	Major Arterial	Calle Barcelona	Olivenhain Rd	32.5 (estimate)
Rancho Santa Fe Rd	Major Arterial	La Costa Ave	Calle Barcelona	33.2
Rancho Santa Fe Rd	Major Arterial	Calle Barcelona	Olivenhain Rd	36.2
Rancho Santa Fe Rd	Major Arterial	Olivenhain Rd	Calle Acervo	17.5

Source: City of Carlsbad, 2009 Traffic Count Program; City of Carlsbad General Plan, Circulation Element, 2013.

Notes: Secondary Arterials carry moderate traffic volumes (estimated average daily trips: 10,000 to 20,000). Major Arterials carry moderate to heavy traffic volumes (estimated average daily trips: 20,000 to 40,000).

**Long-Term Operational Traffic.** The mixed-use projects listed in Table 5.19-1 Cumulative Projects would generate new trips in the La Costa Valley community following construction. As indicated in the Trip Generation Project Access Analysis (Appendix B) and Section 5.16, Transportation/Traffic, development of the proposed project would generate approximately 1,036 new daily trips, with 41 occurring in the AM peak period and 93 occurring in the PM peak period. This traffic would be added to the surrounding existing street and roadway system. The proposed project and the projects listed in Table 5.19-1 would use the roadway segments listed in Table 5.18-2. According to the City of Carlsbad General Plan, Circulation Element, secondary arterials carry moderate traffic volumes (estimated average daily trips: 10,000 to 20,000) and major arterials carry moderate to heavy traffic volumes (estimated average daily trips: 20,000 to 40,000). The addition of 1,036 daily trips from the project to the surrounding roadways is well within the traffic volume capacity of these roads [other project effects combined LOS D...50 ADT/acre = find out about project acreage]; therefore, no significant cumulative impacts would occur as a result of the proposed project. The cumulative increase in trips would not exceed the current capacity of Calle Barcelona and no significant cumulative roadway segment or intersection impacts were identified. Additionally, implementation of *Trans-1* would reduce impacts to a less than significant level. Therefore, the project would not result in a significant cumulative traffic impact.

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### 5.18.17 Utilities and Service Systems

The utilities and service systems discussion includes electric power and natural gas, communications, water treatment facilities, sewer, solid waste, and storm water drainage. The geographic context for the cumulative analysis for public utilities encompasses the service area of each specific utility. The increased use of public utilities associated with the cumulative projects identified in Table 5.19-1 Cumulative Projects would add to the incremental demand for these utilities within each utilities service area. If the cumulative projects would exceed growth projections for the City that were utilized by the public utilities to plan for the capacity of their systems, the public utilities providers may not have adequate infrastructure or funding in place to serve the cumulative projects. In this case, a potentially significant baseline cumulative impact would occur. However, the project is consistent with the Arroyo La Costa Master Plan, which in turn is a part of the City of Carlsbad General Plan and all of the public utilities have incorporated the population projections and corresponding development into their master plans which account for a middle school at the La Costa Valley site. The project would have fewer impacts to utilities and service systems when compared to a middle school. Therefore, the project would not exceed the capacity of the public utilities that serve the project area. The project's contribution would not be cumulatively considerable.

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

*Less Than Significant Impact.* The project is the construction and operation of athletic fields and a gymnasium and multi-purpose building. Based on the discussions provided in Section 5, Discussion of Environmental Impacts, the proposed project would not result in environmental impacts that would cause significant effects on human beings because all potentially significant impacts would be mitigated to a less than significant level.

SECTION SIX

Mitigation Monitoring and Reporting Program

**SECTION 6 MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Time Frame of Mitigation				Monitoring Reporting Agency	Time Frame for Verification Frequency to		Date of	
	Planning	Pre Constr.	During Constr.	Post Constr.		Monitor	Report	Completion	Verification
<b>AESTHETICS</b>									
<p><i>Aes-1</i> Design features would be included in the design of the project to mitigate for potential spillover light from parking lot lighting and exterior safety and security lighting such as:</p> <ul style="list-style-type: none"> <li>a. Shielding direct lighting away from adjacent residential and other light sensitive receptors. Shielding shall at a minimum extend to 20 degrees below the horizontal to direct lighting towards the target area. Lighting at the project boundary shall be shielded as necessary to prevent any spillover to adjacent properties.</li> <li>b. Outdoor lighting fixtures incorporated into the design of the project will be operated during reasonable hours. Reasonable hours will be determined for the buildings and for security to assign a unique set of allowable hours of operation. It is anticipated that most lighting will shut off by approximately 11:00 P.M.</li> </ul>	X				SDUHSD				
<b>BIOLOGICAL RESOURCES</b>									
<p><i>Bio-1</i> Design features would be included in the design of the project to mitigate for impacts to special status species including:</p> <ul style="list-style-type: none"> <li>a. Removal of any tree and/or other vegetation suitable for nesting of raptors and/or birds protected under the Migratory Bird Treaty Act shall not occur during the breeding season of January 15 through September 15 (as early as January 1 for some raptor species). If tree removal or other suitable nesting habitat must occur during the breeding season, all sites shall be surveyed by a qualified biologist to verify the presence or absence of nesting raptors or other birds. Pre-removal surveys shall be conducted within <math>\leq 3</math> days prior to start of work within the area from January 15 through September 15,</li> </ul>		X			SDUHSD				

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Mitigation Monitoring and Reporting Program

Mitigation Measure	Time Frame of Mitigation				Monitoring Reporting Agency	Time Frame for Verification Frequency to		Date of	
	Planning	Pre Constr.	During Constr.	Post Constr.		Monitor	Report	Completion	Verification
<p>ensuring no nesting birds in the project area would be impacted by the project. Results of the pre removal surveys shall be submitted to the District</p> <p>b. If an active nest is found, the tree supporting the nest shall be avoided until the birds have fledged and the nest is abandoned. Additionally, if an active nest is identified prior to construction, a buffer shall be established by a qualified biologist between the construction activities (and/or tree removal) and the nest so that nesting activities are not interrupted. The recommended buffer widths are 500 feet for raptors, and 300 feet for migratory birds. Reductions and/or modifications to the nest buffer distance may be appropriate depending on the avian species involved, ambient levels of human activity, screening vegetation, or possibly other factors and adjustments shall be made at the sole discretion of the project biologist. Final buffer limits for nests established prior to construction shall be delineated by temporary fencing, and shall remain in effect as long as construction, demolition or tree removal is occurring or until the nest is no longer active. No project construction shall occur within the fenced nest zone until the young have left the nest and are no longer being fed by the parents unless the nest was established after construction began in which case avoidance measures are not required. If no active nests are found prior to construction or during the nesting season, removal of trees and construction activities can proceed. Project personnel, including all contractors working on site, will be instructed on the sensitivity of the area.</p>									
<b>HYDROLOGY AND WATER QUALITY</b>									
<p><i>Hyd-1</i> Prior to operation of the Project, the District shall update, expand, and align their existing 2006 SWMP to be generally consistent with the latest standards for development in the City of Carlsbad Storm Water Protection Program, or the project shall conform to these standards. Both methods would protect water quality and control stormwater flows to the same standards required of other development in the region. As part of compliance with the Countywide Model Standard Urban Stormwater Mitigation Plan (SUSMP), a</p>				X	SDUHSD				

SECTION SIX

Mitigation Monitoring and Reporting Program

Mitigation Measure	Time Frame of Mitigation				Monitoring Reporting Agency	Time Frame for Verification Frequency to		Date of	
	Planning	Pre Constr.	During Constr.	Post Constr.		Monitor	Report	Completion	Verification
report equivalent to a Water Quality Technical Report (WQTR) shall be prepared for the project using the City of San Diego 2010 SUSMP as guidance. The report will determine the need for a detention basin or comparable alternative measures to mitigate any potential drainage and water quality conditions by selecting the most suitable post-construction BMPs for the project's design, soil conditions, and other relevant factors. Additionally, the report will determine whether the project is a Priority Redevelopment Project, and whether the Low Impact Development and hydromodification requirements in the SUSMP apply to the Project. Those measures identified in the report shall be implemented as part of the project									
<p><b>Hyd-2</b> A registered civil engineer shall perform a drainage study for the project commissioned by the District Facility Services departments that complies with the conditions that follow. Recommended design measures shall be consistent with the District's adopted Storm Water Management Program and/or <b>Hyd-1</b>. The drainage study recommendations would be incorporated into the project design and regularly maintained by the District after project completion. The results of the drainage study shall be used to determine if the District would be required to contribute its fair share contribution to the City's Community/Capital Facilities Fee for storm drain improvements, as required by California Government Code 54999.</p> <ul style="list-style-type: none"> <li>i. Site design that controls runoff discharge volumes and durations shall be used where applicable.</li> <li>ii. Measures that protect slopes and channels such as energy dissipaters, vegetation, and slope/channel stabilizers shall be applied where appropriate.</li> <li>iii. All developments that will increase impervious surfaces by 10,000 GSF or more shall maintain the peak runoff for the 10-year, 6-hour storm event. In cases where known or potential on-site or off-site erosion problems have been identified, a registered engineer, in coordination with the District, shall determine if maintenance of peak runoff for a larger storm event</li> </ul>	X				SDUHSD				



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Mitigation Monitoring and Reporting Program

Mitigation Measure	Time Frame of Mitigation				Monitoring Reporting Agency	Time Frame for Verification Frequency to		Date of	
	Planning	Pre Constr.	During Constr.	Post Constr.		Monitor	Report	Completion	Verification
is necessary.									
<b>TRANSPORTATION/TRAFFIC</b>									
<p><i>Trans-1</i> The following mitigation measure shall be implemented to reduce impacts to a less than significant level.</p> <ul style="list-style-type: none"> <li>c. A minimum of 50 feet of centerline striping shall be provided on the project access road approach to Calle Barcelona and a stop sign and limit line shall be installed to control traffic entering Calle Barcelona from the project site.</li> <li>d. Calle Barcelona shall be restriped east of the project access to provide a dedicated left-turn lane for westbound Calle Barcelona traffic turning left into the project site.</li> <li>e. The District shall be responsible for installation of all signing and restriping in conformance with the standards and guidelines found in the California Manual on Uniform Traffic Control Devices (MUTCD). The District shall adhere to the California MUTCD for all signing, striping and pavement markings (FHWA's MUTCD 2003Revision 1, as amended for use in California); the Caltrans Standard Specifications (latest version); and any City of Carlsbad plans and special provisions.</li> </ul>			X		SDUHSD				

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# APPENDIX A

## Air Quality and GHG Model Results

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**La Costa Valley Site Recreational Facilities  
San Diego County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	204.00	Space	1.84	81,600.00	0
City Park	25.73	Acre	25.73	0.00	0
Health Club	18.60	1000sqft	0.43	18,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2015
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Climate zone determined using CalEEMod lookup excel file, zip code 92008. Assumed SDG&E.

Land Use - Parking area determined by CalEEMod based on 204 parking spaces.

Gymnasium area determined by CalEEMod based on 18,600 sf.

Recreational Area = 28 acre - 1.84 acres for parking - 0.43 acres for gymnasium. Zero'd square footage for City Park LU.

Construction Phase - Number of days based on Project Description and assumptions. Total days paving divided between two phases.

Off-road Equipment -

Off-road Equipment - \* Note, adjusted # equipment for shortening bldg construction phase from 440 days (default) to 140 days.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - \*Note, adjusted building construction worker and vendor trips to account for 140 day phase instead of default 440 day phase.

Grading - Imported topsoil (22,600 yd<sup>3</sup>) based on assumption of 6" topsoil depth over all 28 acres. Assuming no soil export because site is already graded, only requires light grading.

Architectural Coating - Assumed use of "Flat Coatings" and utilized SDAPCD VOC Standards for architectural coatings (Regulation 4, Rule 67.0)

Area Coating - Adjusted to be consistent with SDAPCD Regulation 4, Rule 67.0 for Architectural Coatings, based on assumption of "Flat Coatings"

Energy Use -

Land Use Change -

Sequestration -

Area Mitigation - Adjusted VOC content to match SDAPCD Regulation 4, Rule 67.0 for architectural coatings

Energy Mitigation - PD section 3.3.6(3)(a)

Water Mitigation - Indoor: PD section 3.3.6(2)(a)

Outdoor: PD section 3.3.6(1)(b)

Waste Mitigation - PD section 3.3.6(4)(a)

Construction Off-road Equipment Mitigation - construction crews will water 2 times per day and limit vehicle speeds to 15 mph on unpaved road

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	100
tblConstructionPhase	NumDays	440.00	140.00
tblConstructionPhase	NumDays	35.00	25.00
tblConstructionPhase	NumDays	35.00	10.00
tblConstructionPhase	PhaseEndDate	10/3/2014	8/29/2014
tblConstructionPhase	PhaseEndDate	5/15/2015	5/1/2015
tblConstructionPhase	PhaseStartDate	3/14/2015	3/16/2015
tblConstructionPhase	PhaseStartDate	8/30/2014	9/1/2014
tblConstructionPhase	PhaseStartDate	6/28/2014	6/30/2014
tblConstructionPhase	PhaseStartDate	8/30/2014	7/28/2014
tblConstructionPhase	PhaseStartDate	5/2/2015	4/20/2015
tblGrading	MaterialImported	0.00	22,600.00
tblLandUse	LandUseSquareFeet	1,120,798.80	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	9.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	9.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	VendorTripNumber	16.00	50.00
tblTripsAndVMT	WorkerTripNumber	42.00	132.00
tblWaterMitigation	PercentReductionInFlowBathroomFaucet	32	20
tblWaterMitigation	UseWaterEfficientIrrigationSystemPercentReduction	6.1	50



## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.8485	7.7281	5.3827	7.8400e-003	0.5703	0.4466	1.0168	0.2302	0.4171	0.6473	0.0000	723.4358	723.4358	0.1456	0.0000	726.4931
2015	0.4346	2.6777	1.9371	2.9300e-003	0.0981	0.1786	0.2767	0.0250	0.1680	0.1930	0.0000	262.0221	262.0221	0.0533	0.0000	263.1417
<b>Total</b>	<b>1.2831</b>	<b>10.4058</b>	<b>7.3198</b>	<b>0.0108</b>	<b>0.6683</b>	<b>0.6252</b>	<b>1.2935</b>	<b>0.2552</b>	<b>0.5851</b>	<b>0.8403</b>	<b>0.0000</b>	<b>985.4579</b>	<b>985.4579</b>	<b>0.1989</b>	<b>0.0000</b>	<b>989.6348</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.8485	7.7281	5.3827	7.8400e-003	0.3627	0.4466	0.8092	0.1309	0.4171	0.5480	0.0000	723.4351	723.4351	0.1456	0.0000	726.4925
2015	0.4346	2.6777	1.9371	2.9300e-003	0.0981	0.1786	0.2767	0.0250	0.1680	0.1930	0.0000	262.0219	262.0219	0.0533	0.0000	263.1414
<b>Total</b>	<b>1.2831</b>	<b>10.4058</b>	<b>7.3198</b>	<b>0.0108</b>	<b>0.4608</b>	<b>0.6252</b>	<b>1.0859</b>	<b>0.1559</b>	<b>0.5851</b>	<b>0.7410</b>	<b>0.0000</b>	<b>985.4570</b>	<b>985.4570</b>	<b>0.1989</b>	<b>0.0000</b>	<b>989.6339</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	31.06	0.00	16.05	38.90	0.00	11.81	0.00	0.00	0.00	0.00	0.00	0.00

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4123	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.4400e-003	4.4400e-003	1.0000e-005	0.0000	4.7100e-003
Energy	1.1800e-003	0.0108	9.0300e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	89.8776	89.8776	3.3700e-003	8.7000e-004	90.2168
Mobile	0.3920	0.7511	3.5758	5.9000e-003	0.3992	9.2900e-003	0.4085	0.1068	8.5300e-003	0.1153	0.0000	479.9127	479.9127	0.0230	0.0000	480.3949
Waste						0.0000	0.0000		0.0000	0.0000	21.9697	0.0000	21.9697	1.2984	0.0000	49.2355
Water						0.0000	0.0000		0.0000	0.0000	0.3490	118.4394	118.7884	0.0406	1.8300e-003	120.2094
<b>Total</b>	<b>0.8055</b>	<b>0.7619</b>	<b>3.5872</b>	<b>5.9600e-003</b>	<b>0.3992</b>	<b>0.0101</b>	<b>0.4093</b>	<b>0.1068</b>	<b>9.3600e-003</b>	<b>0.1161</b>	<b>22.3187</b>	<b>688.2341</b>	<b>710.5528</b>	<b>1.3653</b>	<b>2.7000e-003</b>	<b>740.0613</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4013	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.4400e-003	4.4400e-003	1.0000e-005	0.0000	4.7100e-003
Energy	1.1100e-003	0.0101	8.5100e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	87.8522	87.8522	3.3000e-003	8.4000e-004	88.1826
Mobile	0.3920	0.7511	3.5758	5.9000e-003	0.3992	9.2900e-003	0.4085	0.1068	8.5300e-003	0.1153	0.0000	479.9127	479.9127	0.0230	0.0000	480.3949
Waste						0.0000	0.0000		0.0000	0.0000	5.4924	0.0000	5.4924	0.3246	0.0000	12.3089
Water						0.0000	0.0000		0.0000	0.0000	0.3134	61.0828	61.3962	0.0346	1.2700e-003	62.5166
<b>Total</b>	<b>0.7944</b>	<b>0.7613</b>	<b>3.5866</b>	<b>5.9600e-003</b>	<b>0.3992</b>	<b>0.0101</b>	<b>0.4092</b>	<b>0.1068</b>	<b>9.3100e-003</b>	<b>0.1161</b>	<b>5.8058</b>	<b>628.8521</b>	<b>634.6580</b>	<b>0.3855</b>	<b>2.1100e-003</b>	<b>643.4077</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>1.37</b>	<b>0.08</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>	<b>0.01</b>	<b>0.00</b>	<b>0.53</b>	<b>0.04</b>	<b>73.99</b>	<b>8.63</b>	<b>10.68</b>	<b>71.76</b>	<b>21.85</b>	<b>13.06</b>

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/2/2014	6/27/2014	5	20	
2	Grading	Grading	6/30/2014	8/29/2014	5	45	
3	Paving Phase I	Paving	7/28/2014	8/29/2014	5	25	
4	Building Construction	Building Construction	9/1/2014	3/13/2015	5	140	
5	Architectural Coating	Architectural Coating	3/16/2015	5/1/2015	5	35	
6	Paving Phase II	Paving	4/20/2015	5/1/2015	5	10	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 112.5**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 31,572; Non-Residential Outdoor: 10,524 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving Phase I	Pavers	2	8.00	125	0.42
Paving Phase I	Paving Equipment	2	8.00	130	0.36
Paving Phase I	Rollers	2	8.00	80	0.38
Building Construction	Cranes	3	7.00	226	0.29
Building Construction	Forklifts	9	8.00	89	0.20
Building Construction	Generator Sets	3	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	9	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving Phase II	Pavers	2	8.00	125	0.42
Paving Phase II	Paving Equipment	2	8.00	130	0.36
Paving Phase II	Rollers	2	8.00	80	0.38

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	2,825.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase I	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	27	132.00	50.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase II	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Site Preparation - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1823	0.0000	0.1823	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0529	0.5762	0.4296	3.9000e-004		0.0314	0.0314		0.0289	0.0289	0.0000	37.7016	37.7016	0.0111	0.0000	37.9356
<b>Total</b>	<b>0.0529</b>	<b>0.5762</b>	<b>0.4296</b>	<b>3.9000e-004</b>	<b>0.1823</b>	<b>0.0314</b>	<b>0.2136</b>	<b>0.0996</b>	<b>0.0289</b>	<b>0.1284</b>	<b>0.0000</b>	<b>37.7016</b>	<b>37.7016</b>	<b>0.0111</b>	<b>0.0000</b>	<b>37.9356</b>

**3.2 Site Preparation - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0386	0.5582	0.3982	1.0600e-003	0.0241	9.7600e-003	0.0339	6.6100e-003	8.9800e-003	0.0156	0.0000	98.9521	98.9521	9.1000e-004	0.0000	98.9711
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	1.0000e-003	9.6000e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4600e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.4424	1.4424	8.0000e-005	0.0000	1.4442
<b>Total</b>	<b>0.0394</b>	<b>0.5592</b>	<b>0.4078</b>	<b>1.0800e-003</b>	<b>0.0255</b>	<b>9.7700e-003</b>	<b>0.0353</b>	<b>6.9900e-003</b>	<b>8.9900e-003</b>	<b>0.0160</b>	<b>0.0000</b>	<b>100.3945</b>	<b>100.3945</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>100.4153</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0820	0.0000	0.0820	0.0448	0.0000	0.0448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0529	0.5762	0.4296	3.9000e-004		0.0314	0.0314		0.0289	0.0289	0.0000	37.7016	37.7016	0.0111	0.0000	37.9355
<b>Total</b>	<b>0.0529</b>	<b>0.5762</b>	<b>0.4296</b>	<b>3.9000e-004</b>	<b>0.0820</b>	<b>0.0314</b>	<b>0.1134</b>	<b>0.0448</b>	<b>0.0289</b>	<b>0.0737</b>	<b>0.0000</b>	<b>37.7016</b>	<b>37.7016</b>	<b>0.0111</b>	<b>0.0000</b>	<b>37.9355</b>

**3.2 Site Preparation - 2014****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0386	0.5582	0.3982	1.0600e-003	0.0241	9.7600e-003	0.0339	6.6100e-003	8.9800e-003	0.0156	0.0000	98.9521	98.9521	9.1000e-004	0.0000	98.9711
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	1.0000e-003	9.6000e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4600e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.4424	1.4424	8.0000e-005	0.0000	1.4442
<b>Total</b>	<b>0.0394</b>	<b>0.5592</b>	<b>0.4078</b>	<b>1.0800e-003</b>	<b>0.0255</b>	<b>9.7700e-003</b>	<b>0.0353</b>	<b>6.9900e-003</b>	<b>8.9900e-003</b>	<b>0.0160</b>	<b>0.0000</b>	<b>100.3945</b>	<b>100.3945</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>100.4153</b>

**3.3 Grading - 2014****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1952	0.0000	0.1952	0.0809	0.0000	0.0809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1541	1.8162	1.1606	1.3900e-003		0.0873	0.0873		0.0803	0.0803	0.0000	133.7950	133.7950	0.0395	0.0000	134.6253
<b>Total</b>	<b>0.1541</b>	<b>1.8162</b>	<b>1.1606</b>	<b>1.3900e-003</b>	<b>0.1952</b>	<b>0.0873</b>	<b>0.2824</b>	<b>0.0809</b>	<b>0.0803</b>	<b>0.1612</b>	<b>0.0000</b>	<b>133.7950</b>	<b>133.7950</b>	<b>0.0395</b>	<b>0.0000</b>	<b>134.6253</b>



**3.3 Grading - 2014****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8800e-003	2.4900e-003	0.0240	4.0000e-005	3.6100e-003	3.0000e-005	3.6400e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.6061	3.6061	2.1000e-004	0.0000	3.6105
<b>Total</b>	<b>1.8800e-003</b>	<b>2.4900e-003</b>	<b>0.0240</b>	<b>4.0000e-005</b>	<b>3.6100e-003</b>	<b>3.0000e-005</b>	<b>3.6400e-003</b>	<b>9.6000e-004</b>	<b>3.0000e-005</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>3.6061</b>	<b>3.6061</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.6105</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0878	0.0000	0.0878	0.0364	0.0000	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1541	1.8162	1.1606	1.3900e-003		0.0873	0.0873		0.0803	0.0803	0.0000	133.7949	133.7949	0.0395	0.0000	134.6252
<b>Total</b>	<b>0.1541</b>	<b>1.8162</b>	<b>1.1606</b>	<b>1.3900e-003</b>	<b>0.0878</b>	<b>0.0873</b>	<b>0.1751</b>	<b>0.0364</b>	<b>0.0803</b>	<b>0.1167</b>	<b>0.0000</b>	<b>133.7949</b>	<b>133.7949</b>	<b>0.0395</b>	<b>0.0000</b>	<b>134.6252</b>

### 3.3 Grading - 2014

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8800e-003	2.4900e-003	0.0240	4.0000e-005	3.6100e-003	3.0000e-005	3.6400e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.6061	3.6061	2.1000e-004	0.0000	3.6105
<b>Total</b>	<b>1.8800e-003</b>	<b>2.4900e-003</b>	<b>0.0240</b>	<b>4.0000e-005</b>	<b>3.6100e-003</b>	<b>3.0000e-005</b>	<b>3.6400e-003</b>	<b>9.6000e-004</b>	<b>3.0000e-005</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>3.6061</b>	<b>3.6061</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.6105</b>

### 3.4 Paving Phase I - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0295	0.3261	0.1871	2.8000e-004		0.0182	0.0182		0.0167	0.0167	0.0000	26.8015	26.8015	7.9200e-003	0.0000	26.9679
Paving	2.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0319</b>	<b>0.3261</b>	<b>0.1871</b>	<b>2.8000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0167</b>	<b>0.0167</b>	<b>0.0000</b>	<b>26.8015</b>	<b>26.8015</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>26.9679</b>

### 3.4 Paving Phase I - 2014

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	1.0400e-003	0.0100	2.0000e-005	1.5000e-003	1.0000e-005	1.5200e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.5025	1.5025	9.0000e-005	0.0000	1.5044
<b>Total</b>	<b>7.8000e-004</b>	<b>1.0400e-003</b>	<b>0.0100</b>	<b>2.0000e-005</b>	<b>1.5000e-003</b>	<b>1.0000e-005</b>	<b>1.5200e-003</b>	<b>4.0000e-004</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.5025</b>	<b>1.5025</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.5044</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0295	0.3261	0.1871	2.8000e-004		0.0182	0.0182		0.0167	0.0167	0.0000	26.8015	26.8015	7.9200e-003	0.0000	26.9678
Paving	2.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0319</b>	<b>0.3261</b>	<b>0.1871</b>	<b>2.8000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0167</b>	<b>0.0167</b>	<b>0.0000</b>	<b>26.8015</b>	<b>26.8015</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>26.9678</b>

### 3.4 Paving Phase I - 2014

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	1.0400e-003	0.0100	2.0000e-005	1.5000e-003	1.0000e-005	1.5200e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.5025	1.5025	9.0000e-005	0.0000	1.5044
<b>Total</b>	<b>7.8000e-004</b>	<b>1.0400e-003</b>	<b>0.0100</b>	<b>2.0000e-005</b>	<b>1.5000e-003</b>	<b>1.0000e-005</b>	<b>1.5200e-003</b>	<b>4.0000e-004</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.5025</b>	<b>1.5025</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.5044</b>

### 3.5 Building Construction - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5106	4.1255	2.4987	3.5400e-003		0.2941	0.2941		0.2768	0.2768	0.0000	324.4220	324.4220	0.0825	0.0000	326.1543
<b>Total</b>	<b>0.5106</b>	<b>4.1255</b>	<b>2.4987</b>	<b>3.5400e-003</b>		<b>0.2941</b>	<b>0.2941</b>		<b>0.2768</b>	<b>0.2768</b>	<b>0.0000</b>	<b>324.4220</b>	<b>324.4220</b>	<b>0.0825</b>	<b>0.0000</b>	<b>326.1543</b>

**3.5 Building Construction - 2014****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0328	0.2893	0.3553	5.3000e-004	0.0350	5.4400e-003	0.0404	9.1600e-003	5.0000e-003	0.0142	0.0000	48.6700	48.6700	5.0000e-004	0.0000	48.6805
Worker	0.0242	0.0322	0.3097	5.7000e-004	0.1272	4.0000e-004	0.1276	0.0322	3.7000e-004	0.0325	0.0000	46.5425	46.5425	2.7100e-003	0.0000	46.5994
<b>Total</b>	<b>0.0570</b>	<b>0.3215</b>	<b>0.6649</b>	<b>1.1000e-003</b>	<b>0.1622</b>	<b>5.8400e-003</b>	<b>0.1680</b>	<b>0.0413</b>	<b>5.3700e-003</b>	<b>0.0467</b>	<b>0.0000</b>	<b>95.2125</b>	<b>95.2125</b>	<b>3.2100e-003</b>	<b>0.0000</b>	<b>95.2799</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5106	4.1255	2.4987	3.5400e-003		0.2941	0.2941		0.2768	0.2768	0.0000	324.4216	324.4216	0.0825	0.0000	326.1539
<b>Total</b>	<b>0.5106</b>	<b>4.1255</b>	<b>2.4987</b>	<b>3.5400e-003</b>		<b>0.2941</b>	<b>0.2941</b>		<b>0.2768</b>	<b>0.2768</b>	<b>0.0000</b>	<b>324.4216</b>	<b>324.4216</b>	<b>0.0825</b>	<b>0.0000</b>	<b>326.1539</b>

**3.5 Building Construction - 2014****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0328	0.2893	0.3553	5.3000e-004	0.0350	5.4400e-003	0.0404	9.1600e-003	5.0000e-003	0.0142	0.0000	48.6700	48.6700	5.0000e-004	0.0000	48.6805
Worker	0.0242	0.0322	0.3097	5.7000e-004	0.1272	4.0000e-004	0.1276	0.0322	3.7000e-004	0.0325	0.0000	46.5425	46.5425	2.7100e-003	0.0000	46.5994
<b>Total</b>	<b>0.0570</b>	<b>0.3215</b>	<b>0.6649</b>	<b>1.1000e-003</b>	<b>0.1622</b>	<b>5.8400e-003</b>	<b>0.1680</b>	<b>0.0413</b>	<b>5.3700e-003</b>	<b>0.0467</b>	<b>0.0000</b>	<b>95.2125</b>	<b>95.2125</b>	<b>3.2100e-003</b>	<b>0.0000</b>	<b>95.2799</b>

**3.5 Building Construction - 2015****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2854	2.3423	1.4621	2.0900e-003		0.1651	0.1651		0.1553	0.1553	0.0000	190.3156	190.3156	0.0478	0.0000	191.3183
<b>Total</b>	<b>0.2854</b>	<b>2.3423</b>	<b>1.4621</b>	<b>2.0900e-003</b>		<b>0.1651</b>	<b>0.1651</b>		<b>0.1553</b>	<b>0.1553</b>	<b>0.0000</b>	<b>190.3156</b>	<b>190.3156</b>	<b>0.0478</b>	<b>0.0000</b>	<b>191.3183</b>

### 3.5 Building Construction - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0167	0.1462	0.1923	3.1000e-004	0.0207	2.3400e-003	0.0230	5.4100e-003	2.1500e-003	7.5600e-003	0.0000	28.3816	28.3816	2.5000e-004	0.0000	28.3868
Worker	0.0129	0.0171	0.1643	3.4000e-004	0.0752	2.2000e-004	0.0754	0.0190	2.0000e-004	0.0192	0.0000	26.5782	26.5782	1.4700e-003	0.0000	26.6090
<b>Total</b>	<b>0.0297</b>	<b>0.1634</b>	<b>0.3566</b>	<b>6.5000e-004</b>	<b>0.0958</b>	<b>2.5600e-003</b>	<b>0.0984</b>	<b>0.0244</b>	<b>2.3500e-003</b>	<b>0.0268</b>	<b>0.0000</b>	<b>54.9598</b>	<b>54.9598</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>54.9958</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2854	2.3423	1.4621	2.0900e-003		0.1651	0.1651		0.1553	0.1553	0.0000	190.3154	190.3154	0.0478	0.0000	191.3181
<b>Total</b>	<b>0.2854</b>	<b>2.3423</b>	<b>1.4621</b>	<b>2.0900e-003</b>		<b>0.1651</b>	<b>0.1651</b>		<b>0.1553</b>	<b>0.1553</b>	<b>0.0000</b>	<b>190.3154</b>	<b>190.3154</b>	<b>0.0478</b>	<b>0.0000</b>	<b>191.3181</b>

### 3.5 Building Construction - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0167	0.1462	0.1923	3.1000e-004	0.0207	2.3400e-003	0.0230	5.4100e-003	2.1500e-003	7.5600e-003	0.0000	28.3816	28.3816	2.5000e-004	0.0000	28.3868
Worker	0.0129	0.0171	0.1643	3.4000e-004	0.0752	2.2000e-004	0.0754	0.0190	2.0000e-004	0.0192	0.0000	26.5782	26.5782	1.4700e-003	0.0000	26.6090
<b>Total</b>	<b>0.0297</b>	<b>0.1634</b>	<b>0.3566</b>	<b>6.5000e-004</b>	<b>0.0958</b>	<b>2.5600e-003</b>	<b>0.0984</b>	<b>0.0244</b>	<b>2.3500e-003</b>	<b>0.0268</b>	<b>0.0000</b>	<b>54.9598</b>	<b>54.9598</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>54.9958</b>

### 3.6 Architectural Coating - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1200e-003	0.0450	0.0333	5.0000e-005		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003	0.0000	4.4682	4.4682	5.8000e-004	0.0000	4.4804
<b>Total</b>	<b>0.1047</b>	<b>0.0450</b>	<b>0.0333</b>	<b>5.0000e-005</b>		<b>3.8700e-003</b>	<b>3.8700e-003</b>		<b>3.8700e-003</b>	<b>3.8700e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>4.4804</b>



### 3.6 Architectural Coating - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	7.0000e-004	6.7000e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0842	1.0842	6.0000e-005	0.0000	1.0855
<b>Total</b>	<b>5.3000e-004</b>	<b>7.0000e-004</b>	<b>6.7000e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>1.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.0842</b>	<b>1.0842</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.0855</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1200e-003	0.0450	0.0333	5.0000e-005		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003	0.0000	4.4682	4.4682	5.8000e-004	0.0000	4.4804
<b>Total</b>	<b>0.1047</b>	<b>0.0450</b>	<b>0.0333</b>	<b>5.0000e-005</b>		<b>3.8700e-003</b>	<b>3.8700e-003</b>		<b>3.8700e-003</b>	<b>3.8700e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>4.4804</b>

### 3.6 Architectural Coating - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	7.0000e-004	6.7000e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0842	1.0842	6.0000e-005	0.0000	1.0855
<b>Total</b>	<b>5.3000e-004</b>	<b>7.0000e-004</b>	<b>6.7000e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>1.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.0842</b>	<b>1.0842</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.0855</b>

### 3.7 Paving Phase II - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1259	0.0749	1.1000e-004		7.0700e-003	7.0700e-003		6.5100e-003	6.5100e-003	0.0000	10.6136	10.6136	3.1700e-003	0.0000	10.6801
Paving	2.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0140</b>	<b>0.1259</b>	<b>0.0749</b>	<b>1.1000e-004</b>		<b>7.0700e-003</b>	<b>7.0700e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>10.6136</b>	<b>10.6136</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>10.6801</b>

**3.7 Paving Phase II - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	3.7000e-004	3.5900e-003	1.0000e-005	1.1200e-003	0.0000	1.1300e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.5808	0.5808	3.0000e-005	0.0000	0.5815
<b>Total</b>	<b>2.8000e-004</b>	<b>3.7000e-004</b>	<b>3.5900e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>1.1300e-003</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.5808</b>	<b>0.5808</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5815</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1259	0.0749	1.1000e-004		7.0700e-003	7.0700e-003		6.5100e-003	6.5100e-003	0.0000	10.6136	10.6136	3.1700e-003	0.0000	10.6801
Paving	2.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0140</b>	<b>0.1259</b>	<b>0.0749</b>	<b>1.1000e-004</b>		<b>7.0700e-003</b>	<b>7.0700e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>10.6136</b>	<b>10.6136</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>10.6801</b>

### 3.7 Paving Phase II - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	3.7000e-004	3.5900e-003	1.0000e-005	1.1200e-003	0.0000	1.1300e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.5808	0.5808	3.0000e-005	0.0000	0.5815
<b>Total</b>	<b>2.8000e-004</b>	<b>3.7000e-004</b>	<b>3.5900e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>1.1300e-003</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.5808</b>	<b>0.5808</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5815</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3920	0.7511	3.5758	5.9000e-003	0.3992	9.2900e-003	0.4085	0.1068	8.5300e-003	0.1153	0.0000	479.9127	479.9127	0.0230	0.0000	480.3949
Unmitigated	0.3920	0.7511	3.5758	5.9000e-003	0.3992	9.2900e-003	0.4085	0.1068	8.5300e-003	0.1153	0.0000	479.9127	479.9127	0.0230	0.0000	480.3949

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	40.91	40.91	40.91	87,338	87,338
Health Club	612.50	388.18	497.18	974,367	974,367
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>653.41</b>	<b>429.09</b>	<b>538.09</b>	<b>1,061,705</b>	<b>1,061,705</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509603	0.073619	0.192430	0.134105	0.036943	0.005309	0.012459	0.020989	0.001832	0.002087	0.006541	0.000614	0.003471

**5.0 Energy Detail**

~~5.1 Fleet Mix~~

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	76.8258	76.8258	3.0900e-003	6.4000e-004	77.0891
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	78.1753	78.1753	3.1500e-003	6.5000e-004	78.4432
NaturalGas Mitigated	1.1100e-003	0.0101	8.5100e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	11.0264	11.0264	2.1000e-004	2.0000e-004	11.0935
NaturalGas Unmitigated	1.1800e-003	0.0108	9.0300e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	11.7024	11.7024	2.2000e-004	2.1000e-004	11.7736

**5.2 Energy by Land Use - NaturalGas**  
**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Health Club	219294	1.1800e-003	0.0108	9.0300e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	11.7024	11.7024	2.2000e-004	2.1000e-004	11.7736
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.1800e-003</b>	<b>0.0108</b>	<b>9.0300e-003</b>	<b>6.0000e-005</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>11.7024</b>	<b>11.7024</b>	<b>2.2000e-004</b>	<b>2.1000e-004</b>	<b>11.7736</b>

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	206627	1.1100e-003	0.0101	8.5100e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	11.0264	11.0264	2.1000e-004	2.0000e-004	11.0935
<b>Total</b>		<b>1.1100e-003</b>	<b>0.0101</b>	<b>8.5100e-003</b>	<b>6.0000e-005</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>11.0264</b>	<b>11.0264</b>	<b>2.1000e-004</b>	<b>2.0000e-004</b>	<b>11.0935</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	167400	54.7078	2.2000e-003	4.6000e-004	54.8953
Parking Lot	71808	23.4675	9.4000e-004	2.0000e-004	23.5479
<b>Total</b>		<b>78.1753</b>	<b>3.1400e-003</b>	<b>6.6000e-004</b>	<b>78.4432</b>

**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Health Club	163271	53.3583	2.1500e-003	4.4000e-004	53.5412
Parking Lot	71808	23.4675	9.4000e-004	2.0000e-004	23.5479
<b>Total</b>		<b>76.8258</b>	<b>3.0900e-003</b>	<b>6.4000e-004</b>	<b>77.0891</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4013	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.4400e-003	4.4400e-003	1.0000e-005	0.0000	4.7100e-003
Unmitigated	0.4123	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.4400e-003	4.4400e-003	1.0000e-005	0.0000	4.7100e-003

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3913					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.4400e-003	4.4400e-003	1.0000e-005	0.0000	4.7100e-003
<b>Total</b>	<b>0.4123</b>	<b>2.0000e-005</b>	<b>2.3600e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.4400e-003</b>	<b>4.4400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.7100e-003</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3913					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.4400e-003	4.4400e-003	1.0000e-005	0.0000	4.7100e-003
<b>Total</b>	<b>0.4013</b>	<b>2.0000e-005</b>	<b>2.3600e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.4400e-003</b>	<b>4.4400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.7100e-003</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	61.3962	0.0346	1.2700e-003	62.5166
Unmitigated	118.7884	0.0406	1.8300e-003	120.2094

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 30.6568	111.3102	4.4800e-003	9.3000e-004	111.6916
Health Club	1.10006 / 0.674232	7.4782	0.0361	9.1000e-004	8.5178
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>118.7884</b>	<b>0.0406</b>	<b>1.8400e-003</b>	<b>120.2094</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.3284	55.6551	2.2400e-003	4.6000e-004	55.8458
Health Club	0.987856 / 0.337116	5.7411	0.0324	8.0000e-004	6.6708
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>61.3962</b>	<b>0.0346</b>	<b>1.2600e-003</b>	<b>62.5166</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.4924	0.3246	0.0000	12.3089
Unmitigated	21.9697	1.2984	0.0000	49.2355

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.21	0.4486	0.0265	0.0000	1.0054
Health Club	106.02	21.5211	1.2719	0.0000	48.2302
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>21.9697</b>	<b>1.2984</b>	<b>0.0000</b>	<b>49.2355</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.5525	0.1122	6.6300e-003	0.0000	0.2513
Health Club	26.505	5.3803	0.3180	0.0000	12.0575
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.4924</b>	<b>0.3246</b>	<b>0.0000</b>	<b>12.3089</b>

## 9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Vegetation

**La Costa Valley Site Recreational Facilities**  
**San Diego County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	204.00	Space	1.84	81,600.00	0
City Park	25.73	Acre	25.73	0.00	0
Health Club	18.60	1000sqft	0.43	18,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2015
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Climate zone determined using CalEEMod lookup excel file, zip code 92008. Assumed SDG&E.

Land Use - Parking area determined by CalEEMod based on 204 parking spaces.

Gymnasium area determined by CalEEMod based on 18,600 sf.

Recreational Area = 28 acre - 1.84 acres for parking - 0.43 acres for gymnasium. Zero'd square footage for City Park LU.

Construction Phase - Number of days based on Project Description and assumptions. Total days paving divided between two phases.

Off-road Equipment -

Off-road Equipment - \* Note, adjusted # equipment for shortening bldg construction phase from 440 days (default) to 140 days.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - \*Note, adjusted building construction worker and vendor trips to account for 140 day phase instead of default 440 day phase.

Grading - Imported topsoil (22,600 yd<sup>3</sup>) based on assumption of 6" topsoil depth over all 28 acres. Assuming no soil export because site is already graded, only requires light grading.

Architectural Coating - Assumed use of "Flat Coatings" and utilized SDAPCD VOC Standards for architectural coatings (Regulation 4, Rule 67.0)

Area Coating - Adjusted to be consistent with SDAPCD Regulation 4, Rule 67.0 for Architectural Coatings, based on assumption of "Flat Coatings"

Energy Use -

Land Use Change -

Sequestration -

Area Mitigation - Adjusted VOC content to match SDAPCD Regulation 4, Rule 67.0 for architectural coatings

Energy Mitigation - PD section 3.3.6(3)(a)

Water Mitigation - Indoor: PD section 3.3.6(2)(a)

Outdoor: PD section 3.3.6(1)(b)

Waste Mitigation - PD section 3.3.6(4)(a)

Construction Off-road Equipment Mitigation - construction crews will water 2 times per day and limit vehicle speeds to 15 mph on unpaved road



Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	100
tblConstructionPhase	NumDays	440.00	140.00
tblConstructionPhase	NumDays	35.00	25.00
tblConstructionPhase	NumDays	35.00	10.00
tblConstructionPhase	PhaseEndDate	10/3/2014	8/29/2014
tblConstructionPhase	PhaseEndDate	5/15/2015	5/1/2015
tblConstructionPhase	PhaseStartDate	3/14/2015	3/16/2015
tblConstructionPhase	PhaseStartDate	8/30/2014	9/1/2014
tblConstructionPhase	PhaseStartDate	6/28/2014	6/30/2014
tblConstructionPhase	PhaseStartDate	8/30/2014	7/28/2014
tblConstructionPhase	PhaseStartDate	5/2/2015	4/20/2015
tblGrading	MaterialImported	0.00	22,600.00
tblLandUse	LandUseSquareFeet	1,120,798.80	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	9.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	9.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	VendorTripNumber	16.00	50.00
tblTripsAndVMT	WorkerTripNumber	42.00	132.00
tblWaterMitigation	PercentReductionInFlowBathroomFaucet	32	20
tblWaterMitigation	UseWaterEfficientIrrigationSystemPercentReduction	6.1	50

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	12.9903	113.3270	86.6081	0.1470	20.8340	6.8175	24.9509	10.6678	6.4147	14.4552	0.0000	15,206.19 48	15,206.19 48	2.6535	0.0000	15,261.91 77
2015	12.1989	96.3485	70.6594	0.1052	3.7836	6.4492	10.2327	0.9634	6.0621	7.0255	0.0000	10,382.42 99	10,382.42 99	2.0974	0.0000	10,426.47 57
<b>Total</b>	<b>25.1892</b>	<b>209.6755</b>	<b>157.2675</b>	<b>0.2522</b>	<b>24.6175</b>	<b>13.2667</b>	<b>35.1836</b>	<b>11.6312</b>	<b>12.4768</b>	<b>21.4807</b>	<b>0.0000</b>	<b>25,588.62 47</b>	<b>25,588.62 47</b>	<b>4.7509</b>	<b>0.0000</b>	<b>25,688.39 34</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	12.9903	113.3270	86.6081	0.1470	10.8102	6.8175	14.9271	5.1927	6.4147	8.9801	0.0000	15,206.19 48	15,206.19 48	2.6535	0.0000	15,261.91 77
2015	12.1989	96.3485	70.6594	0.1052	3.7836	6.4492	10.2327	0.9634	6.0621	7.0255	0.0000	10,382.42 99	10,382.42 99	2.0974	0.0000	10,426.47 57
<b>Total</b>	<b>25.1892</b>	<b>209.6755</b>	<b>157.2675</b>	<b>0.2522</b>	<b>14.5937</b>	<b>13.2667</b>	<b>25.1598</b>	<b>6.1561</b>	<b>12.4768</b>	<b>16.0056</b>	<b>0.0000</b>	<b>25,588.62 47</b>	<b>25,588.62 47</b>	<b>4.7509</b>	<b>0.0000</b>	<b>25,688.39 34</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	40.72	0.00	28.49	47.07	0.00	25.49	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2605	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004		0.0577
Energy	6.4800e-003	0.0589	0.0495	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003		70.6830	70.6830	1.3500e-003	1.3000e-003	71.1132
Mobile	2.5060	4.4737	22.0103	0.0348	2.4234	0.0554	2.4788	0.6469	0.0509	0.6978		3,113.916 1	3,113.916 1	0.1503		3,117.073 4
<b>Total</b>	<b>4.7729</b>	<b>4.5329</b>	<b>22.0860</b>	<b>0.0351</b>	<b>2.4234</b>	<b>0.0600</b>	<b>2.4834</b>	<b>0.6469</b>	<b>0.0555</b>	<b>0.7024</b>		<b>3,184.653 5</b>	<b>3,184.653 5</b>	<b>0.1519</b>	<b>1.3000e-003</b>	<b>3,188.244 2</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004		0.0577
Energy	6.1100e-003	0.0555	0.0466	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6003	66.6003	1.2800e-003	1.2200e-003	67.0056
Mobile	2.5060	4.4737	22.0103	0.0348	2.4234	0.0554	2.4788	0.6469	0.0509	0.6978		3,113.916 1	3,113.916 1	0.1503		3,117.073 4
<b>Total</b>	<b>4.7124</b>	<b>4.5295</b>	<b>22.0831</b>	<b>0.0351</b>	<b>2.4234</b>	<b>0.0598</b>	<b>2.4831</b>	<b>0.6469</b>	<b>0.0552</b>	<b>0.7021</b>		<b>3,180.570 8</b>	<b>3,180.570 8</b>	<b>0.1518</b>	<b>1.2200e-003</b>	<b>3,184.136 6</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.27	0.08	0.01	0.06	0.00	0.43	0.01	0.00	0.47	0.04	0.00	0.13	0.13	0.05	6.15	0.13

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/2/2014	6/27/2014	5	20	
2	Grading	Grading	6/30/2014	8/29/2014	5	45	
3	Paving Phase I	Paving	7/28/2014	8/29/2014	5	25	
4	Building Construction	Building Construction	9/1/2014	3/13/2015	5	140	
5	Architectural Coating	Architectural Coating	3/16/2015	5/1/2015	5	35	
6	Paving Phase II	Paving	4/20/2015	5/1/2015	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 31,572; Non-Residential Outdoor: 10,524 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving Phase I	Pavers	2	8.00	125	0.42
Paving Phase I	Paving Equipment	2	8.00	130	0.36
Paving Phase I	Rollers	2	8.00	80	0.38
Building Construction	Cranes	3	7.00	226	0.29
Building Construction	Forklifts	9	8.00	89	0.20
Building Construction	Generator Sets	3	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	9	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving Phase II	Pavers	2	8.00	125	0.42
Paving Phase II	Paving Equipment	2	8.00	130	0.36
Paving Phase II	Rollers	2	8.00	80	0.38

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	2,825.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase I	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	27	132.00	50.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase II	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Site Preparation - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2251	0.0000	18.2251	9.9547	0.0000	9.9547			0.0000			0.0000
Off-Road	5.2910	57.6198	42.9609	0.0391		3.1377	3.1377		2.8867	2.8867		4,155.8914	4,155.8914	1.2281		4,181.6817
<b>Total</b>	<b>5.2910</b>	<b>57.6198</b>	<b>42.9609</b>	<b>0.0391</b>	<b>18.2251</b>	<b>3.1377</b>	<b>21.3628</b>	<b>9.9547</b>	<b>2.8867</b>	<b>12.8414</b>		<b>4,155.8914</b>	<b>4,155.8914</b>	<b>1.2281</b>		<b>4,181.6817</b>

**3.2 Site Preparation - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0298	55.6060	42.6790	0.1061	2.4610	0.9780	3.4390	0.6739	0.8995	1.5734		10,892.8626	10,892.8626	0.1007		10,894.9771
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0811	0.1013	0.9682	1.7600e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1300e-003	0.0404		157.4408	157.4408	9.2600e-003		157.6353
<b>Total</b>	<b>4.1108</b>	<b>55.7072</b>	<b>43.6472</b>	<b>0.1079</b>	<b>2.6089</b>	<b>0.9792</b>	<b>3.5881</b>	<b>0.7131</b>	<b>0.9007</b>	<b>1.6138</b>		<b>11,050.3034</b>	<b>11,050.3034</b>	<b>0.1100</b>		<b>11,052.6124</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.2013	0.0000	8.2013	4.4796	0.0000	4.4796			0.0000			0.0000
Off-Road	5.2910	57.6198	42.9609	0.0391		3.1377	3.1377		2.8867	2.8867	0.0000	4,155.8914	4,155.8914	1.2281		4,181.6817
<b>Total</b>	<b>5.2910</b>	<b>57.6198</b>	<b>42.9609</b>	<b>0.0391</b>	<b>8.2013</b>	<b>3.1377</b>	<b>11.3390</b>	<b>4.4796</b>	<b>2.8867</b>	<b>7.3663</b>	<b>0.0000</b>	<b>4,155.8914</b>	<b>4,155.8914</b>	<b>1.2281</b>		<b>4,181.6817</b>



**3.2 Site Preparation - 2014****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0298	55.6060	42.6790	0.1061	2.4610	0.9780	3.4390	0.6739	0.8995	1.5734		10,892.86 26	10,892.86 26	0.1007		10,894.97 71
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0811	0.1013	0.9682	1.7600e- 003	0.1479	1.2400e- 003	0.1491	0.0392	1.1300e- 003	0.0404		157.4408	157.4408	9.2600e- 003		157.6353
<b>Total</b>	<b>4.1108</b>	<b>55.7072</b>	<b>43.6472</b>	<b>0.1079</b>	<b>2.6089</b>	<b>0.9792</b>	<b>3.5881</b>	<b>0.7131</b>	<b>0.9007</b>	<b>1.6138</b>		<b>11,050.30 34</b>	<b>11,050.30 34</b>	<b>0.1100</b>		<b>11,052.61 24</b>

**3.3 Grading - 2014****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.8480	80.7211	51.5831	0.0618		3.8792	3.8792		3.5689	3.5689		6,554.833 7	6,554.833 7	1.9370		6,595.511 3
<b>Total</b>	<b>6.8480</b>	<b>80.7211</b>	<b>51.5831</b>	<b>0.0618</b>	<b>8.6733</b>	<b>3.8792</b>	<b>12.5525</b>	<b>3.5965</b>	<b>3.5689</b>	<b>7.1654</b>		<b>6,554.833 7</b>	<b>6,554.833 7</b>	<b>1.9370</b>		<b>6,595.511 3</b>

**3.3 Grading - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0901	0.1125	1.0758	1.9600e-003	0.1643	1.3800e-003	0.1657	0.0436	1.2600e-003	0.0448		174.9342	174.9342	0.0103		175.1503
<b>Total</b>	<b>0.0901</b>	<b>0.1125</b>	<b>1.0758</b>	<b>1.9600e-003</b>	<b>0.1643</b>	<b>1.3800e-003</b>	<b>0.1657</b>	<b>0.0436</b>	<b>1.2600e-003</b>	<b>0.0448</b>		<b>174.9342</b>	<b>174.9342</b>	<b>0.0103</b>		<b>175.1503</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	6.8480	80.7211	51.5831	0.0618		3.8792	3.8792		3.5689	3.5689	0.0000	6,554.8337	6,554.8337	1.9370		6,595.5113
<b>Total</b>	<b>6.8480</b>	<b>80.7211</b>	<b>51.5831</b>	<b>0.0618</b>	<b>3.9030</b>	<b>3.8792</b>	<b>7.7822</b>	<b>1.6184</b>	<b>3.5689</b>	<b>5.1873</b>	<b>0.0000</b>	<b>6,554.8337</b>	<b>6,554.8337</b>	<b>1.9370</b>		<b>6,595.5113</b>

### 3.3 Grading - 2014

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0901	0.1125	1.0758	1.9600e-003	0.1643	1.3800e-003	0.1657	0.0436	1.2600e-003	0.0448		174.9342	174.9342	0.0103		175.1503
<b>Total</b>	<b>0.0901</b>	<b>0.1125</b>	<b>1.0758</b>	<b>1.9600e-003</b>	<b>0.1643</b>	<b>1.3800e-003</b>	<b>0.1657</b>	<b>0.0436</b>	<b>1.2600e-003</b>	<b>0.0448</b>		<b>174.9342</b>	<b>174.9342</b>	<b>0.0103</b>		<b>175.1503</b>

### 3.4 Paving Phase I - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3610	26.0857	14.9649	0.0223		1.4523	1.4523		1.3361	1.3361		2,363.4906	2,363.4906	0.6984		2,378.1578
Paving	0.1928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5538</b>	<b>26.0857</b>	<b>14.9649</b>	<b>0.0223</b>		<b>1.4523</b>	<b>1.4523</b>		<b>1.3361</b>	<b>1.3361</b>		<b>2,363.4906</b>	<b>2,363.4906</b>	<b>0.6984</b>		<b>2,378.1578</b>

**3.4 Paving Phase I - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0676	0.0844	0.8069	1.4700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.4000e-004	0.0336		131.2007	131.2007	7.7200e-003		131.3627
<b>Total</b>	<b>0.0676</b>	<b>0.0844</b>	<b>0.8069</b>	<b>1.4700e-003</b>	<b>0.1232</b>	<b>1.0300e-003</b>	<b>0.1243</b>	<b>0.0327</b>	<b>9.4000e-004</b>	<b>0.0336</b>		<b>131.2007</b>	<b>131.2007</b>	<b>7.7200e-003</b>		<b>131.3627</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3610	26.0857	14.9649	0.0223		1.4523	1.4523		1.3361	1.3361	0.0000	2,363.4906	2,363.4906	0.6984		2,378.1578
Paving	0.1928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5538</b>	<b>26.0857</b>	<b>14.9649</b>	<b>0.0223</b>		<b>1.4523</b>	<b>1.4523</b>		<b>1.3361</b>	<b>1.3361</b>	<b>0.0000</b>	<b>2,363.4906</b>	<b>2,363.4906</b>	<b>0.6984</b>		<b>2,378.1578</b>

**3.4 Paving Phase I - 2014**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0676	0.0844	0.8069	1.4700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.4000e-004	0.0336		131.2007	131.2007	7.7200e-003		131.3627
<b>Total</b>	<b>0.0676</b>	<b>0.0844</b>	<b>0.8069</b>	<b>1.4700e-003</b>	<b>0.1232</b>	<b>1.0300e-003</b>	<b>0.1243</b>	<b>0.0327</b>	<b>9.4000e-004</b>	<b>0.0336</b>		<b>131.2007</b>	<b>131.2007</b>	<b>7.7200e-003</b>		<b>131.3627</b>

**3.5 Building Construction - 2014**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.6038	93.7611	56.7895	0.0805		6.6839	6.6839		6.2919	6.2919		8,127.5908	8,127.5908	2.0666		8,170.9891
<b>Total</b>	<b>11.6038</b>	<b>93.7611</b>	<b>56.7895</b>	<b>0.0805</b>		<b>6.6839</b>	<b>6.6839</b>		<b>6.2919</b>	<b>6.2919</b>		<b>8,127.5908</b>	<b>8,127.5908</b>	<b>2.0666</b>		<b>8,170.9891</b>

**3.5 Building Construction - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.7919	6.5341	8.7637	0.0119	0.8145	0.1245	0.9390	0.2132	0.1145	0.3277		1,213.9558	1,213.9558	0.0127			1,214.2214
Worker	0.5946	0.7425	7.1002	0.0129	2.9692	9.1000e-003	2.9783	0.7503	8.3100e-003	0.7586		1,154.5658	1,154.5658	0.0679			1,155.9921
<b>Total</b>	<b>1.3865</b>	<b>7.2766</b>	<b>15.8639</b>	<b>0.0248</b>	<b>3.7836</b>	<b>0.1336</b>	<b>3.9173</b>	<b>0.9634</b>	<b>0.1228</b>	<b>1.0862</b>		<b>2,368.5217</b>	<b>2,368.5217</b>	<b>0.0806</b>			<b>2,370.2135</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	11.6038	93.7611	56.7895	0.0805		6.6839	6.6839		6.2919	6.2919	0.0000	8,127.5908	8,127.5908	2.0666			8,170.9891
<b>Total</b>	<b>11.6038</b>	<b>93.7611</b>	<b>56.7895</b>	<b>0.0805</b>		<b>6.6839</b>	<b>6.6839</b>		<b>6.2919</b>	<b>6.2919</b>	<b>0.0000</b>	<b>8,127.5908</b>	<b>8,127.5908</b>	<b>2.0666</b>			<b>8,170.9891</b>

### 3.5 Building Construction - 2014

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7919	6.5341	8.7637	0.0119	0.8145	0.1245	0.9390	0.2132	0.1145	0.3277		1,213.9558	1,213.9558	0.0127		1,214.2214
Worker	0.5946	0.7425	7.1002	0.0129	2.9692	9.1000e-003	2.9783	0.7503	8.3100e-003	0.7586		1,154.5658	1,154.5658	0.0679		1,155.9921
<b>Total</b>	<b>1.3865</b>	<b>7.2766</b>	<b>15.8639</b>	<b>0.0248</b>	<b>3.7836</b>	<b>0.1336</b>	<b>3.9173</b>	<b>0.9634</b>	<b>0.1228</b>	<b>1.0862</b>		<b>2,368.5217</b>	<b>2,368.5217</b>	<b>0.0806</b>		<b>2,370.2135</b>

### 3.5 Building Construction - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.9772	90.0898	56.2336	0.0805		6.3502	6.3502		5.9712	5.9712		8,068.7314	8,068.7314	2.0245		8,111.2449
<b>Total</b>	<b>10.9772</b>	<b>90.0898</b>	<b>56.2336</b>	<b>0.0805</b>		<b>6.3502</b>	<b>6.3502</b>		<b>5.9712</b>	<b>5.9712</b>		<b>8,068.7314</b>	<b>8,068.7314</b>	<b>2.0245</b>		<b>8,111.2449</b>

### 3.5 Building Construction - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6838	5.5890	8.0588	0.0119	0.8144	0.0904	0.9049	0.2131	0.0832	0.2963		1,197.9417	1,197.9417	0.0107		1,198.1663
Worker	0.5380	0.6697	6.3669	0.0129	2.9692	8.5100e-003	2.9777	0.7503	7.8000e-003	0.7581		1,115.7568	1,115.7568	0.0623		1,117.0645
<b>Total</b>	<b>1.2217</b>	<b>6.2587</b>	<b>14.4258</b>	<b>0.0248</b>	<b>3.7836</b>	<b>0.0989</b>	<b>3.8825</b>	<b>0.9634</b>	<b>0.0910</b>	<b>1.0543</b>		<b>2,313.6985</b>	<b>2,313.6985</b>	<b>0.0730</b>		<b>2,315.2308</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.9772	90.0898	56.2336	0.0805		6.3502	6.3502		5.9712	5.9712	0.0000	8,068.7314	8,068.7314	2.0245		8,111.2449
<b>Total</b>	<b>10.9772</b>	<b>90.0898</b>	<b>56.2336</b>	<b>0.0805</b>		<b>6.3502</b>	<b>6.3502</b>		<b>5.9712</b>	<b>5.9712</b>	<b>0.0000</b>	<b>8,068.7314</b>	<b>8,068.7314</b>	<b>2.0245</b>		<b>8,111.2449</b>



### 3.5 Building Construction - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6838	5.5890	8.0588	0.0119	0.8144	0.0904	0.9049	0.2131	0.0832	0.2963		1,197.9417	1,197.9417	0.0107			1,198.1663
Worker	0.5380	0.6697	6.3669	0.0129	2.9692	8.5100e-003	2.9777	0.7503	7.8000e-003	0.7581		1,115.7568	1,115.7568	0.0623			1,117.0645
<b>Total</b>	<b>1.2217</b>	<b>6.2587</b>	<b>14.4258</b>	<b>0.0248</b>	<b>3.7836</b>	<b>0.0989</b>	<b>3.8825</b>	<b>0.9634</b>	<b>0.0910</b>	<b>1.0543</b>		<b>2,313.6985</b>	<b>2,313.6985</b>	<b>0.0730</b>			<b>2,315.2308</b>

### 3.6 Architectural Coating - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.5747					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367			282.2177
<b>Total</b>	<b>5.9813</b>	<b>2.5703</b>	<b>1.9018</b>	<b>2.9700e-003</b>		<b>0.2209</b>	<b>0.2209</b>		<b>0.2209</b>	<b>0.2209</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0367</b>			<b>282.2177</b>

### 3.6 Architectural Coating - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0326	0.0406	0.3859	7.8000e-004	0.0657	5.2000e-004	0.0662	0.0174	4.7000e-004	0.0179		67.6216	67.6216	3.7700e-003		67.7009
<b>Total</b>	<b>0.0326</b>	<b>0.0406</b>	<b>0.3859</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>5.2000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.7000e-004</b>	<b>0.0179</b>		<b>67.6216</b>	<b>67.6216</b>	<b>3.7700e-003</b>		<b>67.7009</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5747					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177
<b>Total</b>	<b>5.9813</b>	<b>2.5703</b>	<b>1.9018</b>	<b>2.9700e-003</b>		<b>0.2209</b>	<b>0.2209</b>		<b>0.2209</b>	<b>0.2209</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0367</b>		<b>282.2177</b>

### 3.6 Architectural Coating - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0326	0.0406	0.3859	7.8000e-004	0.0657	5.2000e-004	0.0662	0.0174	4.7000e-004	0.0179		67.6216	67.6216	3.7700e-003		67.7009
<b>Total</b>	<b>0.0326</b>	<b>0.0406</b>	<b>0.3859</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>5.2000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.7000e-004</b>	<b>0.0179</b>		<b>67.6216</b>	<b>67.6216</b>	<b>3.7700e-003</b>		<b>67.7009</b>

### 3.7 Paving Phase II - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.4821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.7993</b>	<b>25.1758</b>	<b>14.9781</b>	<b>0.0223</b>		<b>1.4148</b>	<b>1.4148</b>		<b>1.3016</b>	<b>1.3016</b>		<b>2,339.8984</b>	<b>2,339.8984</b>	<b>0.6986</b>		<b>2,354.5681</b>

**3.7 Paving Phase II - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0611	0.0761	0.7235	1.4700e-003	0.2303	9.7000e-004	0.2313	0.0590	8.9000e-004	0.0599		126.7906	126.7906	7.0800e-003		126.9392
<b>Total</b>	<b>0.0611</b>	<b>0.0761</b>	<b>0.7235</b>	<b>1.4700e-003</b>	<b>0.2303</b>	<b>9.7000e-004</b>	<b>0.2313</b>	<b>0.0590</b>	<b>8.9000e-004</b>	<b>0.0599</b>		<b>126.7906</b>	<b>126.7906</b>	<b>7.0800e-003</b>		<b>126.9392</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.4821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.7993</b>	<b>25.1758</b>	<b>14.9781</b>	<b>0.0223</b>		<b>1.4148</b>	<b>1.4148</b>		<b>1.3016</b>	<b>1.3016</b>	<b>0.0000</b>	<b>2,339.8984</b>	<b>2,339.8984</b>	<b>0.6986</b>		<b>2,354.5681</b>

### 3.7 Paving Phase II - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0611	0.0761	0.7235	1.4700e-003	0.2303	9.7000e-004	0.2313	0.0590	8.9000e-004	0.0599		126.7906	126.7906	7.0800e-003		126.9392
<b>Total</b>	<b>0.0611</b>	<b>0.0761</b>	<b>0.7235</b>	<b>1.4700e-003</b>	<b>0.2303</b>	<b>9.7000e-004</b>	<b>0.2313</b>	<b>0.0590</b>	<b>8.9000e-004</b>	<b>0.0599</b>		<b>126.7906</b>	<b>126.7906</b>	<b>7.0800e-003</b>		<b>126.9392</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5060	4.4737	22.0103	0.0348	2.4234	0.0554	2.4788	0.6469	0.0509	0.6978		3,113.9161	3,113.9161	0.1503		3,117.0734
Unmitigated	2.5060	4.4737	22.0103	0.0348	2.4234	0.0554	2.4788	0.6469	0.0509	0.6978		3,113.9161	3,113.9161	0.1503		3,117.0734

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	40.91	40.91	40.91	87,338	87,338
Health Club	612.50	388.18	497.18	974,367	974,367
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>653.41</b>	<b>429.09</b>	<b>538.09</b>	<b>1,061,705</b>	<b>1,061,705</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509603	0.073619	0.192430	0.134105	0.036943	0.005309	0.012459	0.020989	0.001832	0.002087	0.006541	0.000614	0.003471

**5.0 Energy Detail**

~~5.1 Fleet Mix~~

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.1100e-003	0.0555	0.0466	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6003	66.6003	1.2800e-003	1.2200e-003	67.0056
NaturalGas Unmitigated	6.4800e-003	0.0589	0.0495	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003		70.6830	70.6830	1.3500e-003	1.3000e-003	71.1132

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Health Club	600.805	6.4800e-003	0.0589	0.0495	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003		70.6830	70.6830	1.3500e-003	1.3000e-003	71.1132
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.4800e-003</b>	<b>0.0589</b>	<b>0.0495</b>	<b>3.5000e-004</b>		<b>4.4800e-003</b>	<b>4.4800e-003</b>		<b>4.4800e-003</b>	<b>4.4800e-003</b>		<b>70.6830</b>	<b>70.6830</b>	<b>1.3500e-003</b>	<b>1.3000e-003</b>	<b>71.1132</b>

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0.566102	6.1100e-003	0.0555	0.0466	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6003	66.6003	1.2800e-003	1.2200e-003	67.0056
<b>Total</b>		<b>6.1100e-003</b>	<b>0.0555</b>	<b>0.0466</b>	<b>3.3000e-004</b>		<b>4.2200e-003</b>	<b>4.2200e-003</b>		<b>4.2200e-003</b>	<b>4.2200e-003</b>		<b>66.6003</b>	<b>66.6003</b>	<b>1.2800e-003</b>	<b>1.2200e-003</b>	<b>67.0056</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	2.2003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004			0.0577
Unmitigated	2.2605	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004			0.0577

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.1136					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	2.1443					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	2.5900e-003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004			0.0577
<b>Total</b>	<b>2.2605</b>	<b>2.5000e-004</b>	<b>0.0262</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0544</b>	<b>0.0544</b>	<b>1.6000e-004</b>			<b>0.0577</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5900e-003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004		0.0577
<b>Total</b>	<b>2.2003</b>	<b>2.5000e-004</b>	<b>0.0262</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0544</b>	<b>0.0544</b>	<b>1.6000e-004</b>		<b>0.0577</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Vegetation

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**La Costa Valley Site Recreational Facilities**  
**San Diego County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	204.00	Space	1.84	81,600.00	0
City Park	25.73	Acre	25.73	0.00	0
Health Club	18.60	1000sqft	0.43	18,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2015
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Climate zone determined using CalEEMod lookup excel file, zip code 92008. Assumed SDG&E.

Land Use - Parking area determined by CalEEMod based on 204 parking spaces.

Gymnasium area determined by CalEEMod based on 18,600 sf.

Recreational Area = 28 acre - 1.84 acres for parking - 0.43 acres for gymnasium. Zero'd square footage for City Park LU.

Construction Phase - Number of days based on Project Description and assumptions. Total days paving divided between two phases.

Off-road Equipment -

Off-road Equipment - \* Note, adjusted # equipment for shortening bldg construction phase from 440 days (default) to 140 days.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - \*Note, adjusted building construction worker and vendor trips to account for 140 day phase instead of default 440 day phase.

Grading - Imported topsoil (22,600 yd<sup>3</sup>) based on assumption of 6" topsoil depth over all 28 acres. Assuming no soil export because site is already graded, only requires light grading.

Architectural Coating - Assumed use of "Flat Coatings" and utilized SDAPCD VOC Standards for architectural coatings (Regulation 4, Rule 67.0)

Area Coating - Adjusted to be consistent with SDAPCD Regulation 4, Rule 67.0 for Architectural Coatings, based on assumption of "Flat Coatings"

Energy Use -

Land Use Change -

Sequestration -

Area Mitigation - Adjusted VOC content to match SDAPCD Regulation 4, Rule 67.0 for architectural coatings

Energy Mitigation - PD section 3.3.6(3)(a)

Water Mitigation - Indoor: PD section 3.3.6(2)(a)

Outdoor: PD section 3.3.6(1)(b)

Waste Mitigation - PD section 3.3.6(4)(a)

Construction Off-road Equipment Mitigation - construction crews will water 2 times per day and limit vehicle speeds to 15 mph on unpaved road

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	100
tblConstructionPhase	NumDays	440.00	140.00
tblConstructionPhase	NumDays	35.00	25.00
tblConstructionPhase	NumDays	35.00	10.00
tblConstructionPhase	PhaseEndDate	10/3/2014	8/29/2014
tblConstructionPhase	PhaseEndDate	5/15/2015	5/1/2015
tblConstructionPhase	PhaseStartDate	3/14/2015	3/16/2015
tblConstructionPhase	PhaseStartDate	8/30/2014	9/1/2014
tblConstructionPhase	PhaseStartDate	6/28/2014	6/30/2014
tblConstructionPhase	PhaseStartDate	8/30/2014	7/28/2014
tblConstructionPhase	PhaseStartDate	5/2/2015	4/20/2015
tblGrading	MaterialImported	0.00	22,600.00
tblLandUse	LandUseSquareFeet	1,120,798.80	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	9.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	9.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	VendorTripNumber	16.00	50.00
tblTripsAndVMT	WorkerTripNumber	42.00	132.00
tblWaterMitigation	PercentReductionInFlowBathroomFaucet	32	20
tblWaterMitigation	UseWaterEfficientIrrigationSystemPercentReduction	6.1	50

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	12.8456	111.5725	77.9725	0.1472	20.8340	6.8159	24.9474	10.6678	6.4133	14.4520	0.0000	15,241.78 48	15,241.78 48	2.6535	0.0000	15,297.50 77
2015	12.0735	96.1403	68.8344	0.1061	3.7836	6.4481	10.2317	0.9634	6.0611	7.0245	0.0000	10,463.89 01	10,463.89 01	2.0972	0.0000	10,507.93 08
<b>Total</b>	<b>24.9191</b>	<b>207.7128</b>	<b>146.8069</b>	<b>0.2533</b>	<b>24.6175</b>	<b>13.2640</b>	<b>35.1790</b>	<b>11.6312</b>	<b>12.4744</b>	<b>21.4765</b>	<b>0.0000</b>	<b>25,705.67 50</b>	<b>25,705.67 50</b>	<b>4.7506</b>	<b>0.0000</b>	<b>25,805.43 85</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	12.8456	111.5725	77.9725	0.1472	10.8102	6.8159	14.9236	5.1927	6.4133	8.9769	0.0000	15,241.78 48	15,241.78 48	2.6535	0.0000	15,297.50 77
2015	12.0735	96.1403	68.8344	0.1061	3.7836	6.4481	10.2317	0.9634	6.0611	7.0245	0.0000	10,463.89 01	10,463.89 01	2.0972	0.0000	10,507.93 08
<b>Total</b>	<b>24.9191</b>	<b>207.7128</b>	<b>146.8069</b>	<b>0.2533</b>	<b>14.5937</b>	<b>13.2640</b>	<b>25.1553</b>	<b>6.1561</b>	<b>12.4744</b>	<b>16.0014</b>	<b>0.0000</b>	<b>25,705.67 50</b>	<b>25,705.67 50</b>	<b>4.7506</b>	<b>0.0000</b>	<b>25,805.43 85</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	40.72	0.00	28.49	47.07	0.00	25.49	0.00	0.00	0.00	0.00	0.00	0.00



**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2605	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004		0.0577
Energy	6.4800e-003	0.0589	0.0495	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003		70.6830	70.6830	1.3500e-003	1.3000e-003	71.1132
Mobile	2.3137	4.2161	20.1439	0.0365	2.4234	0.0550	2.4783	0.6469	0.0505	0.6974		3,272.6392	3,272.6392	0.1502		3,275.7937
<b>Total</b>	<b>4.5807</b>	<b>4.2752</b>	<b>20.2196</b>	<b>0.0369</b>	<b>2.4234</b>	<b>0.0595</b>	<b>2.4829</b>	<b>0.6469</b>	<b>0.0550</b>	<b>0.7019</b>		<b>3,343.3765</b>	<b>3,343.3765</b>	<b>0.1517</b>	<b>1.3000e-003</b>	<b>3,346.9645</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004		0.0577
Energy	6.1100e-003	0.0555	0.0466	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6003	66.6003	1.2800e-003	1.2200e-003	67.0056
Mobile	2.3137	4.2161	20.1439	0.0365	2.4234	0.0550	2.4783	0.6469	0.0505	0.6974		3,272.6392	3,272.6392	0.1502		3,275.7937
<b>Total</b>	<b>4.5202</b>	<b>4.2718</b>	<b>20.2168</b>	<b>0.0369</b>	<b>2.4234</b>	<b>0.0593</b>	<b>2.4826</b>	<b>0.6469</b>	<b>0.0548</b>	<b>0.7017</b>		<b>3,339.2938</b>	<b>3,339.2938</b>	<b>0.1517</b>	<b>1.2200e-003</b>	<b>3,342.8570</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.32	0.08	0.01	0.05	0.00	0.44	0.01	0.00	0.47	0.04	0.00	0.12	0.12	0.05	6.15	0.12

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/2/2014	6/27/2014	5	20	
2	Grading	Grading	6/30/2014	8/29/2014	5	45	
3	Paving Phase I	Paving	7/28/2014	8/29/2014	5	25	
4	Building Construction	Building Construction	9/1/2014	3/13/2015	5	140	
5	Architectural Coating	Architectural Coating	3/16/2015	5/1/2015	5	35	
6	Paving Phase II	Paving	4/20/2015	5/1/2015	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 31,572; Non-Residential Outdoor: 10,524 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving Phase I	Pavers	2	8.00	125	0.42
Paving Phase I	Paving Equipment	2	8.00	130	0.36
Paving Phase I	Rollers	2	8.00	80	0.38
Building Construction	Cranes	3	7.00	226	0.29
Building Construction	Forklifts	9	8.00	89	0.20
Building Construction	Generator Sets	3	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	9	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving Phase II	Pavers	2	8.00	125	0.42
Paving Phase II	Paving Equipment	2	8.00	130	0.36
Paving Phase II	Rollers	2	8.00	80	0.38

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	2,825.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase I	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	27	132.00	50.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase II	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Site Preparation - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2251	0.0000	18.2251	9.9547	0.0000	9.9547			0.0000			0.0000
Off-Road	5.2910	57.6198	42.9609	0.0391		3.1377	3.1377		2.8867	2.8867		4,155.8914	4,155.8914	1.2281		4,181.6817
<b>Total</b>	<b>5.2910</b>	<b>57.6198</b>	<b>42.9609</b>	<b>0.0391</b>	<b>18.2251</b>	<b>3.1377</b>	<b>21.3628</b>	<b>9.9547</b>	<b>2.8867</b>	<b>12.8414</b>		<b>4,155.8914</b>	<b>4,155.8914</b>	<b>1.2281</b>		<b>4,181.6817</b>

**3.2 Site Preparation - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6183	53.8625	34.0232	0.1062	2.4610	0.9745	3.4355	0.6739	0.8963	1.5702		10,918.2672	10,918.2672	0.0997		10,920.3600
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0761	0.0902	0.9885	1.8700e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1300e-003	0.0404		167.6262	167.6262	9.2600e-003		167.8207
<b>Total</b>	<b>3.6944</b>	<b>53.9527</b>	<b>35.0116</b>	<b>0.1081</b>	<b>2.6089</b>	<b>0.9757</b>	<b>3.5846</b>	<b>0.7131</b>	<b>0.8974</b>	<b>1.6105</b>		<b>11,085.8934</b>	<b>11,085.8934</b>	<b>0.1089</b>		<b>11,088.1807</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.2013	0.0000	8.2013	4.4796	0.0000	4.4796			0.0000			0.0000
Off-Road	5.2910	57.6198	42.9609	0.0391		3.1377	3.1377		2.8867	2.8867	0.0000	4,155.8914	4,155.8914	1.2281		4,181.6817
<b>Total</b>	<b>5.2910</b>	<b>57.6198</b>	<b>42.9609</b>	<b>0.0391</b>	<b>8.2013</b>	<b>3.1377</b>	<b>11.3390</b>	<b>4.4796</b>	<b>2.8867</b>	<b>7.3663</b>	<b>0.0000</b>	<b>4,155.8914</b>	<b>4,155.8914</b>	<b>1.2281</b>		<b>4,181.6817</b>

### 3.2 Site Preparation - 2014

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6183	53.8625	34.0232	0.1062	2.4610	0.9745	3.4355	0.6739	0.8963	1.5702		10,918.2672	10,918.2672	0.0997		10,920.3600
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0761	0.0902	0.9885	1.8700e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1300e-003	0.0404		167.6262	167.6262	9.2600e-003		167.8207
<b>Total</b>	<b>3.6944</b>	<b>53.9527</b>	<b>35.0116</b>	<b>0.1081</b>	<b>2.6089</b>	<b>0.9757</b>	<b>3.5846</b>	<b>0.7131</b>	<b>0.8974</b>	<b>1.6105</b>		<b>11,085.8934</b>	<b>11,085.8934</b>	<b>0.1089</b>		<b>11,088.1807</b>

### 3.3 Grading - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.8480	80.7211	51.5831	0.0618		3.8792	3.8792		3.5689	3.5689		6,554.8337	6,554.8337	1.9370		6,595.5113
<b>Total</b>	<b>6.8480</b>	<b>80.7211</b>	<b>51.5831</b>	<b>0.0618</b>	<b>8.6733</b>	<b>3.8792</b>	<b>12.5525</b>	<b>3.5965</b>	<b>3.5689</b>	<b>7.1654</b>		<b>6,554.8337</b>	<b>6,554.8337</b>	<b>1.9370</b>		<b>6,595.5113</b>

**3.3 Grading - 2014****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0845	0.1003	1.0983	2.0800e-003	0.1643	1.3800e-003	0.1657	0.0436	1.2600e-003	0.0448		186.2513	186.2513	0.0103		186.4674
<b>Total</b>	<b>0.0845</b>	<b>0.1003</b>	<b>1.0983</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.3800e-003</b>	<b>0.1657</b>	<b>0.0436</b>	<b>1.2600e-003</b>	<b>0.0448</b>		<b>186.2513</b>	<b>186.2513</b>	<b>0.0103</b>		<b>186.4674</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	6.8480	80.7211	51.5831	0.0618		3.8792	3.8792		3.5689	3.5689	0.0000	6,554.8337	6,554.8337	1.9370		6,595.5113
<b>Total</b>	<b>6.8480</b>	<b>80.7211</b>	<b>51.5831</b>	<b>0.0618</b>	<b>3.9030</b>	<b>3.8792</b>	<b>7.7822</b>	<b>1.6184</b>	<b>3.5689</b>	<b>5.1873</b>	<b>0.0000</b>	<b>6,554.8337</b>	<b>6,554.8337</b>	<b>1.9370</b>		<b>6,595.5113</b>

### 3.3 Grading - 2014

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0845	0.1003	1.0983	2.0800e-003	0.1643	1.3800e-003	0.1657	0.0436	1.2600e-003	0.0448		186.2513	186.2513	0.0103		186.4674
<b>Total</b>	<b>0.0845</b>	<b>0.1003</b>	<b>1.0983</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.3800e-003</b>	<b>0.1657</b>	<b>0.0436</b>	<b>1.2600e-003</b>	<b>0.0448</b>		<b>186.2513</b>	<b>186.2513</b>	<b>0.0103</b>		<b>186.4674</b>

### 3.4 Paving Phase I - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3610	26.0857	14.9649	0.0223		1.4523	1.4523		1.3361	1.3361		2,363.4906	2,363.4906	0.6984		2,378.1578
Paving	0.1928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5538</b>	<b>26.0857</b>	<b>14.9649</b>	<b>0.0223</b>		<b>1.4523</b>	<b>1.4523</b>		<b>1.3361</b>	<b>1.3361</b>		<b>2,363.4906</b>	<b>2,363.4906</b>	<b>0.6984</b>		<b>2,378.1578</b>



### 3.4 Paving Phase I - 2014

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0634	0.0752	0.8237	1.5600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.4000e-004	0.0336		139.6885	139.6885	7.7200e-003		139.8506
<b>Total</b>	<b>0.0634</b>	<b>0.0752</b>	<b>0.8237</b>	<b>1.5600e-003</b>	<b>0.1232</b>	<b>1.0300e-003</b>	<b>0.1243</b>	<b>0.0327</b>	<b>9.4000e-004</b>	<b>0.0336</b>		<b>139.6885</b>	<b>139.6885</b>	<b>7.7200e-003</b>		<b>139.8506</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3610	26.0857	14.9649	0.0223		1.4523	1.4523		1.3361	1.3361	0.0000	2,363.4906	2,363.4906	0.6984		2,378.1578
Paving	0.1928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5538</b>	<b>26.0857</b>	<b>14.9649</b>	<b>0.0223</b>		<b>1.4523</b>	<b>1.4523</b>		<b>1.3361</b>	<b>1.3361</b>	<b>0.0000</b>	<b>2,363.4906</b>	<b>2,363.4906</b>	<b>0.6984</b>		<b>2,378.1578</b>

### 3.4 Paving Phase I - 2014

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0634	0.0752	0.8237	1.5600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.4000e-004	0.0336		139.6885	139.6885	7.7200e-003		139.8506
<b>Total</b>	<b>0.0634</b>	<b>0.0752</b>	<b>0.8237</b>	<b>1.5600e-003</b>	<b>0.1232</b>	<b>1.0300e-003</b>	<b>0.1243</b>	<b>0.0327</b>	<b>9.4000e-004</b>	<b>0.0336</b>		<b>139.6885</b>	<b>139.6885</b>	<b>7.7200e-003</b>		<b>139.8506</b>

### 3.5 Building Construction - 2014

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.6038	93.7611	56.7895	0.0805		6.6839	6.6839		6.2919	6.2919		8,127.5908	8,127.5908	2.0666		8,170.9891
<b>Total</b>	<b>11.6038</b>	<b>93.7611</b>	<b>56.7895</b>	<b>0.0805</b>		<b>6.6839</b>	<b>6.6839</b>		<b>6.2919</b>	<b>6.2919</b>		<b>8,127.5908</b>	<b>8,127.5908</b>	<b>2.0666</b>		<b>8,170.9891</b>

**3.5 Building Construction - 2014**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6840	6.3720	6.7103	0.0120	0.8145	0.1230	0.9375	0.2132	0.1131	0.3262		1,223.1825	1,223.1825	0.0124		1,223.4427
Worker	0.5577	0.6617	7.2487	0.0137	2.9692	9.1000e-003	2.9783	0.7503	8.3100e-003	0.7586		1,229.2588	1,229.2588	0.0679		1,230.6851
<b>Total</b>	<b>1.2418</b>	<b>7.0337</b>	<b>13.9590</b>	<b>0.0257</b>	<b>3.7836</b>	<b>0.1321</b>	<b>3.9157</b>	<b>0.9634</b>	<b>0.1214</b>	<b>1.0848</b>		<b>2,452.4413</b>	<b>2,452.4413</b>	<b>0.0803</b>		<b>2,454.1278</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.6038	93.7611	56.7895	0.0805		6.6839	6.6839		6.2919	6.2919	0.0000	8,127.5908	8,127.5908	2.0666		8,170.9891
<b>Total</b>	<b>11.6038</b>	<b>93.7611</b>	<b>56.7895</b>	<b>0.0805</b>		<b>6.6839</b>	<b>6.6839</b>		<b>6.2919</b>	<b>6.2919</b>	<b>0.0000</b>	<b>8,127.5908</b>	<b>8,127.5908</b>	<b>2.0666</b>		<b>8,170.9891</b>

**3.5 Building Construction - 2014**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6840	6.3720	6.7103	0.0120	0.8145	0.1230	0.9375	0.2132	0.1131	0.3262		1,223.1825	1,223.1825	0.0124		1,223.4427
Worker	0.5577	0.6617	7.2487	0.0137	2.9692	9.1000e-003	2.9783	0.7503	8.3100e-003	0.7586		1,229.2588	1,229.2588	0.0679		1,230.6851
<b>Total</b>	<b>1.2418</b>	<b>7.0337</b>	<b>13.9590</b>	<b>0.0257</b>	<b>3.7836</b>	<b>0.1321</b>	<b>3.9157</b>	<b>0.9634</b>	<b>0.1214</b>	<b>1.0848</b>		<b>2,452.4413</b>	<b>2,452.4413</b>	<b>0.0803</b>		<b>2,454.1278</b>

**3.5 Building Construction - 2015**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.9772	90.0898	56.2336	0.0805		6.3502	6.3502		5.9712	5.9712		8,068.7314	8,068.7314	2.0245		8,111.2449
<b>Total</b>	<b>10.9772</b>	<b>90.0898</b>	<b>56.2336</b>	<b>0.0805</b>		<b>6.3502</b>	<b>6.3502</b>		<b>5.9712</b>	<b>5.9712</b>		<b>8,068.7314</b>	<b>8,068.7314</b>	<b>2.0245</b>		<b>8,111.2449</b>

**3.5 Building Construction - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.5903	5.4537	6.0744	0.0119	0.8144	0.0894	0.9038	0.2131	0.0822	0.2953		1,207.1476	1,207.1476	0.0105			1,207.3671
Worker	0.5060	0.5968	6.5263	0.0137	2.9692	8.5100e-003	2.9777	0.7503	7.8000e-003	0.7581		1,188.0111	1,188.0111	0.0623			1,189.3188
<b>Total</b>	<b>1.0963</b>	<b>6.0505</b>	<b>12.6008</b>	<b>0.0257</b>	<b>3.7836</b>	<b>0.0979</b>	<b>3.8814</b>	<b>0.9634</b>	<b>0.0900</b>	<b>1.0533</b>		<b>2,395.1587</b>	<b>2,395.1587</b>	<b>0.0727</b>			<b>2,396.6859</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	10.9772	90.0898	56.2336	0.0805		6.3502	6.3502		5.9712	5.9712	0.0000	8,068.7314	8,068.7314	2.0245			8,111.2449
<b>Total</b>	<b>10.9772</b>	<b>90.0898</b>	<b>56.2336</b>	<b>0.0805</b>		<b>6.3502</b>	<b>6.3502</b>		<b>5.9712</b>	<b>5.9712</b>	<b>0.0000</b>	<b>8,068.7314</b>	<b>8,068.7314</b>	<b>2.0245</b>			<b>8,111.2449</b>

### 3.5 Building Construction - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.5903	5.4537	6.0744	0.0119	0.8144	0.0894	0.9038	0.2131	0.0822	0.2953		1,207.1476	1,207.1476	0.0105			1,207.3671
Worker	0.5060	0.5968	6.5263	0.0137	2.9692	8.5100e-003	2.9777	0.7503	7.8000e-003	0.7581		1,188.0111	1,188.0111	0.0623			1,189.3188
<b>Total</b>	<b>1.0963</b>	<b>6.0505</b>	<b>12.6008</b>	<b>0.0257</b>	<b>3.7836</b>	<b>0.0979</b>	<b>3.8814</b>	<b>0.9634</b>	<b>0.0900</b>	<b>1.0533</b>		<b>2,395.1587</b>	<b>2,395.1587</b>	<b>0.0727</b>			<b>2,396.6859</b>

### 3.6 Architectural Coating - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	5.5747					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367			282.2177
<b>Total</b>	<b>5.9813</b>	<b>2.5703</b>	<b>1.9018</b>	<b>2.9700e-003</b>		<b>0.2209</b>	<b>0.2209</b>		<b>0.2209</b>	<b>0.2209</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0367</b>			<b>282.2177</b>

**3.6 Architectural Coating - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0362	0.3955	8.3000e-004	0.0657	5.2000e-004	0.0662	0.0174	4.7000e-004	0.0179		72.0007	72.0007	3.7700e-003		72.0799
<b>Total</b>	<b>0.0307</b>	<b>0.0362</b>	<b>0.3955</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>5.2000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.7000e-004</b>	<b>0.0179</b>		<b>72.0007</b>	<b>72.0007</b>	<b>3.7700e-003</b>		<b>72.0799</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5747					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.2177
<b>Total</b>	<b>5.9813</b>	<b>2.5703</b>	<b>1.9018</b>	<b>2.9700e-003</b>		<b>0.2209</b>	<b>0.2209</b>		<b>0.2209</b>	<b>0.2209</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0367</b>		<b>282.2177</b>

### 3.6 Architectural Coating - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0362	0.3955	8.3000e-004	0.0657	5.2000e-004	0.0662	0.0174	4.7000e-004	0.0179		72.0007	72.0007	3.7700e-003		72.0799
<b>Total</b>	<b>0.0307</b>	<b>0.0362</b>	<b>0.3955</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>5.2000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.7000e-004</b>	<b>0.0179</b>		<b>72.0007</b>	<b>72.0007</b>	<b>3.7700e-003</b>		<b>72.0799</b>

### 3.7 Paving Phase II - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.4821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.7993</b>	<b>25.1758</b>	<b>14.9781</b>	<b>0.0223</b>		<b>1.4148</b>	<b>1.4148</b>		<b>1.3016</b>	<b>1.3016</b>		<b>2,339.8984</b>	<b>2,339.8984</b>	<b>0.6986</b>		<b>2,354.5681</b>



**3.7 Paving Phase II - 2015**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0678	0.7416	1.5600e-003	0.2303	9.7000e-004	0.2313	0.0590	8.9000e-004	0.0599		135.0013	135.0013	7.0800e-003		135.1499
<b>Total</b>	<b>0.0575</b>	<b>0.0678</b>	<b>0.7416</b>	<b>1.5600e-003</b>	<b>0.2303</b>	<b>9.7000e-004</b>	<b>0.2313</b>	<b>0.0590</b>	<b>8.9000e-004</b>	<b>0.0599</b>		<b>135.0013</b>	<b>135.0013</b>	<b>7.0800e-003</b>		<b>135.1499</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.4821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.7993</b>	<b>25.1758</b>	<b>14.9781</b>	<b>0.0223</b>		<b>1.4148</b>	<b>1.4148</b>		<b>1.3016</b>	<b>1.3016</b>	<b>0.0000</b>	<b>2,339.8984</b>	<b>2,339.8984</b>	<b>0.6986</b>		<b>2,354.5681</b>

### 3.7 Paving Phase II - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0678	0.7416	1.5600e-003	0.2303	9.7000e-004	0.2313	0.0590	8.9000e-004	0.0599		135.0013	135.0013	7.0800e-003		135.1499
<b>Total</b>	<b>0.0575</b>	<b>0.0678</b>	<b>0.7416</b>	<b>1.5600e-003</b>	<b>0.2303</b>	<b>9.7000e-004</b>	<b>0.2313</b>	<b>0.0590</b>	<b>8.9000e-004</b>	<b>0.0599</b>		<b>135.0013</b>	<b>135.0013</b>	<b>7.0800e-003</b>		<b>135.1499</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3137	4.2161	20.1439	0.0365	2.4234	0.0550	2.4783	0.6469	0.0505	0.6974		3,272.6392	3,272.6392	0.1502		3,275.7937
Unmitigated	2.3137	4.2161	20.1439	0.0365	2.4234	0.0550	2.4783	0.6469	0.0505	0.6974		3,272.6392	3,272.6392	0.1502		3,275.7937

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	40.91	40.91	40.91	87,338	87,338
Health Club	612.50	388.18	497.18	974,367	974,367
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>653.41</b>	<b>429.09</b>	<b>538.09</b>	<b>1,061,705</b>	<b>1,061,705</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509603	0.073619	0.192430	0.134105	0.036943	0.005309	0.012459	0.020989	0.001832	0.002087	0.006541	0.000614	0.003471

**5.0 Energy Detail**

~~5.1 Fleet Mix~~

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.1100e-003	0.0555	0.0466	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6003	66.6003	1.2800e-003	1.2200e-003	67.0056
NaturalGas Unmitigated	6.4800e-003	0.0589	0.0495	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003		70.6830	70.6830	1.3500e-003	1.3000e-003	71.1132

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Health Club	600.805	6.4800e-003	0.0589	0.0495	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003		70.6830	70.6830	1.3500e-003	1.3000e-003	71.1132
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.4800e-003</b>	<b>0.0589</b>	<b>0.0495</b>	<b>3.5000e-004</b>		<b>4.4800e-003</b>	<b>4.4800e-003</b>		<b>4.4800e-003</b>	<b>4.4800e-003</b>		<b>70.6830</b>	<b>70.6830</b>	<b>1.3500e-003</b>	<b>1.3000e-003</b>	<b>71.1132</b>

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0.566102	6.1100e-003	0.0555	0.0466	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6003	66.6003	1.2800e-003	1.2200e-003	67.0056
<b>Total</b>		<b>6.1100e-003</b>	<b>0.0555</b>	<b>0.0466</b>	<b>3.3000e-004</b>		<b>4.2200e-003</b>	<b>4.2200e-003</b>		<b>4.2200e-003</b>	<b>4.2200e-003</b>		<b>66.6003</b>	<b>66.6003</b>	<b>1.2800e-003</b>	<b>1.2200e-003</b>	<b>67.0056</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	2.2003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004			0.0577
Unmitigated	2.2605	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004			0.0577

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	2.1443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	2.5900e-003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004			0.0577
<b>Total</b>	<b>2.2605</b>	<b>2.5000e-004</b>	<b>0.0262</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0544</b>	<b>0.0544</b>	<b>1.6000e-004</b>			<b>0.0577</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5900e-003	2.5000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0544	0.0544	1.6000e-004		0.0577
<b>Total</b>	<b>2.2003</b>	<b>2.5000e-004</b>	<b>0.0262</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0544</b>	<b>0.0544</b>	<b>1.6000e-004</b>		<b>0.0577</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Vegetation

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**La Costa Valley Site Recreational Facilities  
San Diego County, Mitigation Report**

**Construction Mitigation Summary**

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Phase I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Phase II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**OFFROAD Equipment Mitigation**

CalEEMod Version: CalEEMod.2013.2.2

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Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	3	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	9	No Change	0.00
Generator Sets	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	4	No Change	0.00
Paving Equipment	Diesel	No Change	0	4	No Change	0.00
Rollers	Diesel	No Change	0	4	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	15	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	7.12000E-003	4.49800E-002	3.32800E-002	5.00000E-005	3.87000E-003	3.87000E-003	0.00000E+000	4.46819E+000	4.46819E+000	5.80000E-004	0.00000E+000	4.48041E+000
Cranes	1.38880E-001	1.65070E+000	5.73310E-001	1.04000E-003	7.55500E-002	6.95100E-002	0.00000E+000	9.93765E+001	9.93765E+001	2.94800E-002	0.00000E+000	9.99955E+001
Excavators	1.90600E-002	2.27530E-001	1.54120E-001	2.40000E-004	1.11800E-002	1.02900E-002	0.00000E+000	2.29110E+001	2.29110E+001	6.77000E-003	0.00000E+000	2.30531E+001
Forklifts	1.55220E-001	1.33629E+000	8.05650E-001	9.60000E-004	1.12060E-001	1.03090E-001	0.00000E+000	9.22447E+001	9.22447E+001	2.73600E-002	0.00000E+000	9.28193E+001
Generator Sets	1.60010E-001	1.15265E+000	8.10340E-001	1.38000E-003	8.53900E-002	8.53900E-002	0.00000E+000	1.18694E+002	1.18694E+002	1.30300E-002	0.00000E+000	1.18967E+002
Graders	2.39800E-002	2.46360E-001	1.11850E-001	1.40000E-004	1.38300E-002	1.27200E-002	0.00000E+000	1.35560E+001	1.35560E+001	4.01000E-003	0.00000E+000	1.36402E+001
Pavers	1.61600E-002	1.84050E-001	1.00950E-001	1.60000E-004	9.21000E-003	8.47000E-003	0.00000E+000	1.51495E+001	1.51495E+001	4.49000E-003	0.00000E+000	1.52438E+001
Paving Equipment	1.19600E-002	1.48610E-001	8.95300E-002	1.40000E-004	7.13000E-003	6.56000E-003	0.00000E+000	1.34595E+001	1.34595E+001	3.99000E-003	0.00000E+000	1.35433E+001
Rollers	1.29800E-002	1.19280E-001	7.14800E-002	9.00000E-005	8.88000E-003	8.17000E-003	0.00000E+000	8.80613E+000	8.80613E+000	2.61000E-003	0.00000E+000	8.86094E+000
Rubber Tired Dozers	6.68000E-002	7.61060E-001	5.82230E-001	4.70000E-004	3.54800E-002	3.26500E-002	0.00000E+000	4.49542E+001	4.49542E+001	1.32800E-002	0.00000E+000	4.52332E+001
Scrapers	6.58400E-002	8.57200E-001	5.36110E-001	6.70000E-004	3.45800E-002	3.18100E-002	0.00000E+000	6.45468E+001	6.45468E+001	1.90700E-002	0.00000E+000	6.49473E+001
Tractors/Loaders/Backhoes	2.32790E-001	2.22705E+000	1.54200E+000	1.98000E-003	1.74750E-001	1.60770E-001	0.00000E+000	1.90425E+002	1.90425E+002	5.64600E-002	0.00000E+000	1.91611E+002
Welders	1.40400E-001	4.01400E-001	4.35440E-001	5.40000E-004	3.50400E-002	3.50400E-002	0.00000E+000	3.95264E+001	3.95264E+001	1.14500E-002	0.00000E+000	3.97669E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	7.12000E-003	4.49800E-002	3.32800E-002	5.00000E-005	3.87000E-003	3.87000E-003	0.00000E+000	4.46819E+000	4.46819E+000	5.80000E-004	0.00000E+000	4.48041E+000
Cranes	1.38880E-001	1.65070E+000	5.73310E-001	1.04000E-003	7.55500E-002	6.95100E-002	0.00000E+000	9.93764E+001	9.93764E+001	2.94800E-002	0.00000E+000	9.99954E+001
Excavators	1.90600E-002	2.27530E-001	1.54120E-001	2.40000E-004	1.11800E-002	1.02900E-002	0.00000E+000	2.29109E+001	2.29109E+001	6.77000E-003	0.00000E+000	2.30531E+001
Forklifts	1.55220E-001	1.33629E+000	8.05650E-001	9.60000E-004	1.12060E-001	1.03090E-001	0.00000E+000	9.22446E+001	9.22446E+001	2.73600E-002	0.00000E+000	9.28192E+001
Generator Sets	1.60010E-001	1.15265E+000	8.10340E-001	1.38000E-003	8.53900E-002	8.53900E-002	0.00000E+000	1.18693E+002	1.18693E+002	1.30300E-002	0.00000E+000	1.18967E+002
Graders	2.39800E-002	2.46360E-001	1.11850E-001	1.40000E-004	1.38300E-002	1.27200E-002	0.00000E+000	1.35560E+001	1.35560E+001	4.01000E-003	0.00000E+000	1.36401E+001
Pavers	1.61600E-002	1.84050E-001	1.00950E-001	1.60000E-004	9.21000E-003	8.47000E-003	0.00000E+000	1.51495E+001	1.51495E+001	4.49000E-003	0.00000E+000	1.52437E+001
Paving Equipment	1.19600E-002	1.48610E-001	8.95300E-002	1.40000E-004	7.13000E-003	6.56000E-003	0.00000E+000	1.34595E+001	1.34595E+001	3.99000E-003	0.00000E+000	1.35433E+001
Rollers	1.29800E-002	1.19280E-001	7.14800E-002	9.00000E-005	8.88000E-003	8.17000E-003	0.00000E+000	8.80612E+000	8.80612E+000	2.61000E-003	0.00000E+000	8.86093E+000
Rubber Tired Dozers	6.68000E-002	7.61060E-001	5.82230E-001	4.70000E-004	3.54800E-002	3.26500E-002	0.00000E+000	4.49542E+001	4.49542E+001	1.32800E-002	0.00000E+000	4.52331E+001
Scrapers	6.58400E-002	8.57200E-001	5.36110E-001	6.70000E-004	3.45800E-002	3.18100E-002	0.00000E+000	6.45467E+001	6.45467E+001	1.90700E-002	0.00000E+000	6.49472E+001
Tractors/Loaders/Balkhoes	2.32790E-001	2.22705E+000	1.54200E+000	1.98000E-003	1.74750E-001	1.60770E-001	0.00000E+000	1.90425E+002	1.90425E+002	5.64600E-002	0.00000E+000	1.91610E+002
Welders	1.40400E-001	4.01400E-001	4.35440E-001	5.40000E-004	3.50400E-002	3.50400E-002	0.00000E+000	3.95264E+001	3.95264E+001	1.14500E-002	0.00000E+000	3.97669E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20753E-006	1.20753E-006	0.00000E+000	0.00000E+000	1.10005E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30942E-006	1.30942E-006	0.00000E+000	0.00000E+000	1.30134E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19248E-006	1.19248E-006	0.00000E+000	0.00000E+000	1.18510E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.26376E-006	1.26376E-006	0.00000E+000	0.00000E+000	1.17679E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.47536E-006	1.47536E-006	0.00000E+000	0.00000E+000	1.46626E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.32018E-006	1.32018E-006	0.00000E+000	0.00000E+000	1.31201E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.48594E-006	1.48594E-006	0.00000E+000	0.00000E+000	1.47674E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13557E-006	1.13557E-006	0.00000E+000	0.00000E+000	1.12855E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11224E-006	1.11224E-006	0.00000E+000	0.00000E+000	1.10538E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23941E-006	1.23941E-006	0.00000E+000	0.00000E+000	1.23177E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20782E-006	1.20782E-006	0.00000E+000	0.00000E+000	1.14816E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.26498E-006	1.26498E-006	0.00000E+000	0.00000E+000	1.25733E-006

**Fugitive Dust Mitigation**

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input			
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00

No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.26	0.07	0.26	0.07	0.00	0.00
Grading	Fugitive Dust	0.20	0.08	0.09	0.04	0.55	0.55
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving Phase I	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving Phase I	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving Phase II	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving Phase II	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.18	0.10	0.08	0.04	0.55	0.55
Site Preparation	Roads	0.03	0.01	0.03	0.01	0.00	0.00

**Operational Percent Reduction Summary**

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	52.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	1.73	1.59	3.03	1.73
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	5.93	5.77	5.76	0.00	6.10	6.10	0.00	5.78	5.78	4.55	4.76	5.78
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	10.20	48.43	48.31	14.70	31.52	47.99
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Operational Mobile Mitigation**

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.09	0.30		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		



No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	250.00
No	Use Low VOC Paint (Residential Exterior)	250.00
Yes	Use Low VOC Paint (Non-residential Interior)	100.00
Yes	Use Low VOC Paint (Non-residential Exterior)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

**Energy Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	15.00	
No	Install High Efficiency Lighting	0.00	
No	On-site Renewable	0.00	0.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

**Water Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	20.00	
No	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	50.00	
No	Water Efficient Landscape	0.00	0.00

**Solid Waste Mitigation**

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	75.00

# APPENDIX B

## Trip Generation Project Access Analysis

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# **Darnell & ASSOCIATES, INC.**

TRANSPORTATION PLANNING & TRAFFIC ENGINEERING

December 18 2013

Mr. Kim Howlett  
URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037

D&A Ref. No: 131101

Subject: Trip Generation Project Access Analysis for the La Costa Valley Middle School Design Concept on Calle Barcelona, Carlsbad CA.

Dear Mr. Howlett:

In accordance with your authorization, Darnell & Associates, Inc. (D&A) has prepared this trip generation report for the San Dieguito Unified School District proposed La Costa Valley Middle School Design Concept to develop a 20.6 net acre site on Calle Barcelona in the City of Carlsbad. Figure 1 is a regional Map showing the general location of the site and Figure 2 is the Concept Plan for the project. The Concept Plan depicts the development of the site with a gymnasium and Multi-Purpose Building. The gymnasium and multi-purpose building would provide indoor athletic opportunities space to conduct indoor school and community activities.

The Concept Plan also proposes the development of 171 parking spaces, two (2) baseball fields, three (3) soccer fields and third baseball field that can be used for the soccer fields. Access to the site is proposed on Calle Barcelona opposite the access to the La Costa Valley Master Association Facilities at 2280 Calle Barcelona, Carlsbad, California.

## **TRIP GENERATION**

The proposed project will provide practice and game facilities for students of the San Dieguito Middle School District and for Community use when not utilized by the School District. It should be noted that students would be responsible for transportation for to/from the facility. To estimate the project trip generation, we utilized the (Not So) Brief Guide of Vehicular Traffic Generation Rates for the Rates for the San Diego Region published by SANDAG (San Diego Association of Governments).

The City Park Rate developed with meeting rooms and sports facilities of 50 trips per useable acre was used. Table 1 presents the trip generation for the project.

Review of Table 1 shows that the project is estimated to generate 1,036 Daily, 41 AM Peak and 93 PM Peak hour vehicles.

## **PROJECT ACCESS ANALYSIS**

Access to the site is proposed via a 2-Lane access road connecting to Calle Barcelona on the south side of Calle Barcelona opposite the access of 2280 Calle Barcelona. To accommodate the project it is recommended that a minimum of 50 feet of centerline striping be provided on the approach to Calle Barcelona and a stop sign and limit line be installed to control traffic entering Calle Barcelona. In addition the existing striping on Calle Barcelona will require the existing painted median on Calle Barcelona east of the project access to be restriped to provide a dedicated left-turn lane for westbound Calle Barcelona turning left into the project access. Figure 3 is an aerial map of Calle Barcelona and the project access.

Mr. Kim Howlett  
URS Corporation  
December 18, 2013  
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<b>Table 1</b>	
<b>Trip Generation Rates</b>	
<b>TRIP GENERATION RATE</b>	
DAILY =	50 TRIPS PER USEABLE ACRE
AM PEAK =	4% of Daily (50% In : 50% Out)
PM PEAK =	9% of Daily (50% In : 50% Out)
<b>PROJECT TRIP GENERATION</b>	
DAILY =	50 TRIPS/ACRE X 20.6 Acres = 1,036
<b>AM PEAK</b>	
Total =	1,036 X 0.04 = 41
IN =	21
OUT =	20
<b>PM PEAK</b>	
Total =	1,036 X 0.09 = 93
IN =	46
OUT =	47

Please feel free to contact our office should you have any questions.

Sincerely,

DARNELL & ASSOCIATES, INC.

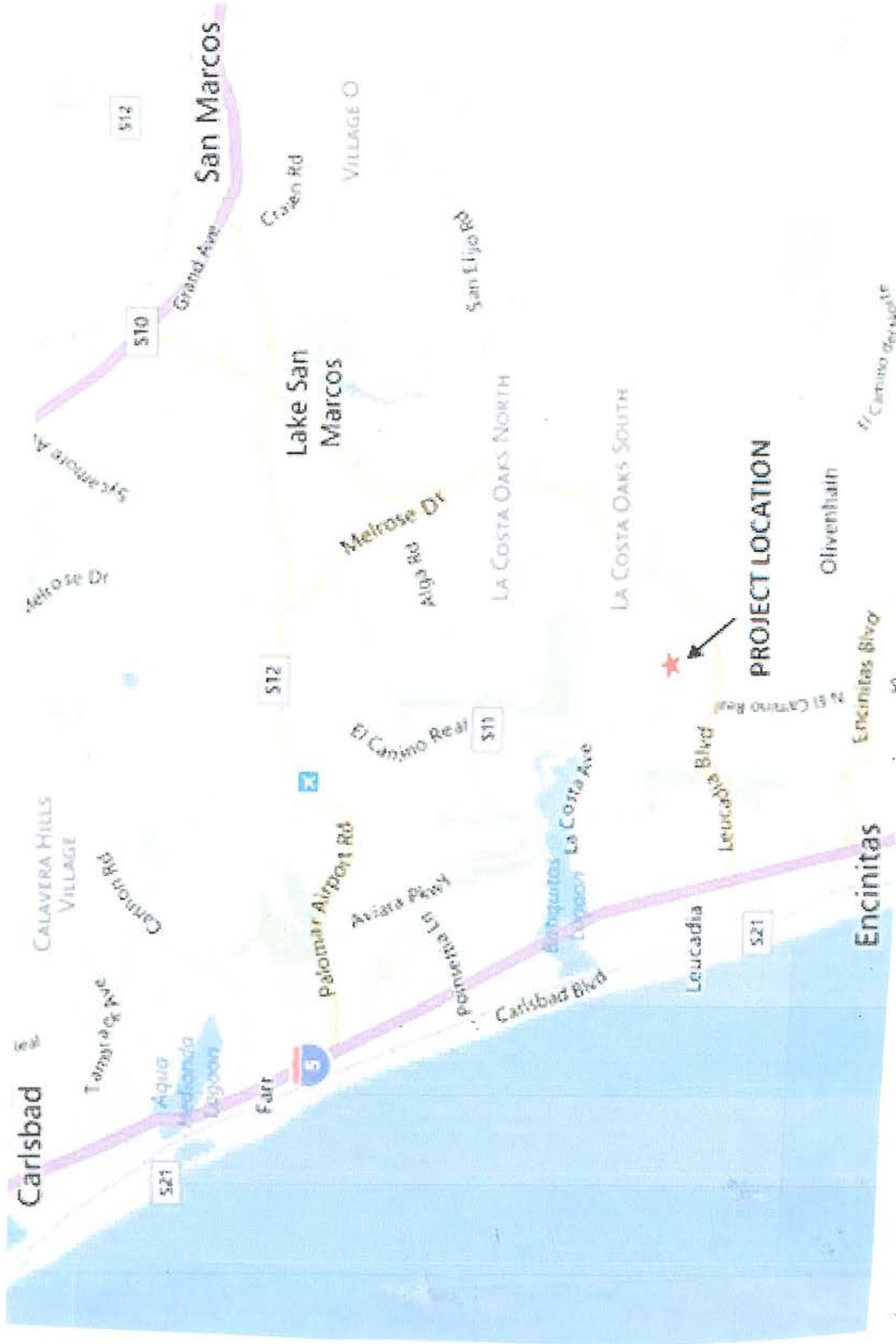


Bill E. Darnell, P.E.  
RCE: 22338



Date: 12/18/2013      Date: 12/18/2013

BED/jam



**FIGURE 1**  
Regional Location Map

**Darnell & ASSOCIATES, INC.**

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FIGURE 2  
LA COSTA VALLEY MIDDLE SCHOOL DESIGN CONCEPT

**Darnell & ASSOCIATES, INC.**

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**FIGURE 3**  
**CALLE BARCELONA PROJECT ACCESS**

**Darnell & ASSOCIATES, INC.**

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# APPENDIX C

## Phase I Environmental Site Assessment

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R E P O R T

PHASE I ENVIRONMENTAL SITE ASSESSMENT  
LA COSTA VALLEY SITE  
CARLSBAD, CALIFORNIA

Prepared for

San Dieguito Union High School District  
684 Requeza Street  
Encinitas, California 92024

URS Project No. 27653117



---

Massoud Karimi, PG  
Senior Project Geologist

December 18, 2013

**URS**

4225 Executive Square, Suite 1600  
La Jolla, CA 92037  
858.812.9292 Fax: 858.812.9293



December 18, 2013

Mr. John Addleman  
Director of Planning Services  
San Dieguito Union High School District  
684 Requeza Street  
Encinitas, California 92024

Subject: Phase I Environmental Site Assessment Report  
La Costa Valley Site  
Carlsbad, California 92009  
URS Project No. 27653117.01005

Dear Mr. Addleman:

URS Corporation Americas (URS) is pleased to submit this Phase I Environmental Site Assessment for the above-referenced site. This project was implemented in accordance with our approved proposal, dated April 12, 2013 and as amended on August 23, 2013. We appreciate the opportunity to provide environmental services to San Dieguito Union High School District. Please contact us at 858-812-9292 if you have any questions or require further assistance.

Sincerely,

URS CORPORATION

A handwritten signature in black ink that reads "Massoud Karimi". The signature is written in a cursive style with a large initial "M".

Massoud Karimi, PG  
Senior Project Geologist

MK/RKS:kl

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## List of Acronyms and Abbreviations

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AAI	All Appropriate Inquiry
APCD	Air Pollution Control District
APN	Assessor Parcel Number
ASTs	aboveground storage tanks
AUL	activity and use limitations
AWM	County of San Diego, Department of Agriculture, Weights and Measures
bgs	below ground surface
CDC	California Department of Conservation
CDE	California Department of Education
CDPR	California Department of Pesticides Regulations
CGS	California Geological Survey
COC	City of Carlsbad Public Records Office
DEH	Department of Environmental Health
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
Geocon	Geocon, Inc.
HMIRS	U.S. Hazardous Materials Incident Reporting System
KV	Kilovolt
LUST	Leaking Underground Storage Tank
msl	mean sea level
NPMS	National Pipeline Mapping System
pCi/l	picoCuries per liter of air
psig	pounds per square inch gage
RCRA	Resource Conservation and Recovery Act
RECs	Recognized Environmental Condition
ROD	Record of Decision
RWQCB	Regional Water Quality Control Board
SDUHSD	San Dieguito Union High School District
site	La Costa Valley Site
SLIC	Spills, Leaks, Investigations and Cleanup
TSD	Treatment, Storage, and Disposal
URS	URS Corporation Americas
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
USTs	underground storage tanks
VCP	Voluntary Cleanup Program

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## Executive Summary

### EXECUTIVE SUMMARY

URS Corporation Americas (URS) conducted a Phase I Environmental Site Assessment (Phase I ESA) of a vacant land parcel known as the La Costa Valley Site (site) for SDUHSD. The site is located within a residential neighborhood along the south side of Calle Barcelona and east of El Camino Real in the City of Carlsbad. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. To the south and east, the site is bound by the residential community of Rancho Ponderosa. Regional access is provided to the site via Interstate Highway 5 and the Leucadia Boulevard exit eastward to El Camino Real and northward to Calle Barcelona (Figures 1 and 2). The purpose of this Phase I ESA was to provide SDUHSD with the due diligence evaluations related to the proposed site development plans which will include the construction of athletic fields, a gymnasium and a multi-purpose building.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the site.

The format and content of the Phase I ESA report for the site are in general accordance with the ASTM International Standard Practice for Environmental Site Assessments: Phase I Site Assessment Process E 1527-05 and the United States Environmental Protection Agency (USEPA) 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries (AAI) – Final Rule effective November 1, 2006.

According to information provided by the County of San Diego Assessor's Office, the assessor's parcel number (APN) for the site is 255-273-08-00. The parcel is currently owned by the San Dieguito Union High School District (SDUHSD).

Based on information obtained from review of pertinent and readily available historical aerial photographs, the subject property was historically used for row crop farming between early 1950s to mid-1960s. Due to the database and archival information limitations at the California Department of Pesticide Regulation (CDPR) with available data only for years spanning 1974 through 2011, no information concerning the potential past use of pesticides at this site could be retrieved. Considering the timeline during which farming activities could be associated with the subject property, dating back to approximately 50 years ago, it is unlikely that residual pesticides would be present in the site soils at concentrations which would pose a significant health risk to the public or to the environment.

The response from the Office of the Fire Marshall Pipeline Safety Division indicated that in the site vicinity there is a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil. These pipelines are reportedly operated and maintained by Kinder Morgan Energy Company. Additional research of information available through the City of Carlsbad on-line Public Safety Department web page indicated that the referenced pipelines are under high pressure and lie within the same utility corridor as the high-voltage transmission lines located within approximately 1,500 feet due west of the site. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-Kilovolt (KV) and 138-KV electric transmission line (City of Carlsbad Public Safety Element, 2013).



## Executive Summary

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Based on URS' knowledge and understanding of the California Department of Education's (CDE) current guidelines, it is likely that a pipeline risk evaluation may be required by that agency for review and consideration prior to approval of the site for development as planned by the SDUHSD.

In general, a pipeline risk analysis must be performed to estimate possible risk from a single pipeline or multiple pipelines that meet the applicability conditions. The purpose of pipeline risk analysis in the present context is to estimate a numerical value for the safety risk of a gas or hazardous liquid pipeline failure within 1,500 feet of any site proposed for school development and for comparison of the estimated risk with criteria recommended by CDE. The comparison will determine the extent to which additional risk control or mitigation measures might be required.

A high pressure pipeline (transporting petroleum, petroleum products, natural gas pipelines, or other hazardous substances that could present a safety hazard to the proposed school campus site) is defined as a pipeline operating at a pressure of 80 pounds per square inch gage (psig). Other gases are treated on a case-by-case basis. URS therefore recommends submitting the results and findings from this Phase I ESA to the CDE for review and comment.

No current use or evidence of historic use of hazardous materials or generation of hazardous waste was identified during the site reconnaissance.

Based on the scope of services performed to date, no recognized environmental concerns (RECs) were identified in connection with historic or current operations at the subject site.

# SECTION ONE

## Introduction

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### SECTION 1 INTRODUCTION

Presented in this report are the results of the Phase I Environmental Site Assessment (ESA) conducted by URS Corporation Americas (URS). This assessment was performed for a vacant land parcel in La Costa Valley, Carlsbad, California which is referred to herein as the La Costa Valley site (site). The site is located along the south side of Calle Barcelona east of El Camino Real in the City of Carlsbad within a residential neighborhood. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. To the south and east, the site is bound by the residential community of Rancho Ponderosa. Regional access is provided to the site via Interstate Highway 5 and the Leucadia Boulevard exit eastward to El Camino Real and northward to Calle Barcelona (Figures 1 and 2). The proposed future site development plans include the construction of athletic fields, a gymnasium and a multi-purpose building.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the site.

#### 1.1 ASTM STANDARD AND ALL APPROPRIATE INQUIRY

The format and content of this Phase I ESA report are in general accordance with the ASTM International Standard Practice for Environmental Site Assessments: Phase I Site Assessment Practice E 1527-05 and the United States Environmental Protection Agency's (EPA) standards for All Appropriate Inquiry (AAI) at 40 CFR Part 312.

##### 1.1.1 ASTM Standard

The ASTM International Standard Practice for Environmental Site Assessments (Standard E 1527-05) was approved November 18, 2005. ASTM Standard E 1527-05 was established and updated to reflect industry requirements brought about by AAI. A new ASTM Standard (E 1527-13) went into effect on November 6, 2013. However, the EPA's direct final rule regarding this new standard has not yet become effective.

The goal of the ASTM Standard is to identify Recognized Environmental Conditions (RECs). By definition under ASTM designation E 1527-05, the term "recognized environmental condition" is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

# SECTION ONE

## Introduction

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### 1.1.2 All Appropriate Inquiry Standards

The United States Environmental Protection Agency (USEPA) Rule on AAI was developed to establish landowner liability protections to property owners under CERCLA as innocent landowners, bona fide prospective purchasers, and/or contiguous property owners. The Rule expands the records review requirements by increasing the search distances beyond the superseded ASTM Standard E 1527-00, incorporating mandatory searches for engineering and institutional controls, and mandatory review of local government and tribal records. The records review also requires a search of reasonably ascertainable land title and lien records to identify environmental liens or activity and use limitations, if any that are recorded against the property. The historical sources review requires that a search of the property go as far back in history as it can be shown that the property contained structures or was first used for residential, agricultural, commercial, industrial, or governmental purposes. Data gaps identified for the property will be identified and their significance reported. The AAI Rule also requires taking into account commonly known or reasonably ascertainable information within a local community. AAI requires that inquiries be conducted by an environmental professional, which is specifically defined within the Rule.

### 1.2 PURPOSE

The purpose of the Phase I ESA was to gather updated information about the subject site and surrounding areas to identify conditions indicative of releases or threatened releases of hazardous substances, pollutants and contaminants, petroleum or petroleum products, and controlled substances.

### 1.3 SCOPE OF SERVICES

The scope of services performed was in accordance with our proposal to the San Dieguito Union High School District (SDUHSD) dated April 12, 2013 and as amended on August 23, 2013.

This Phase I ESA was accomplished by, and limited to, a reconnaissance of the site and review of pertinent documentation available through URS' standard resources regarding past and current land use for indications of the manufacture, generation, use, storage, and/or disposal of hazardous substances at the site. The site reconnaissance included a walking tour of areas at the subject property that were readily accessible and a survey of surrounding and adjacent properties limited to views from accessible public roads. To meet the objective of this Phase I ESA, URS completed the following tasks:

- Performed a reconnaissance survey of the land parcel to make visual observations of existing site conditions and activities, and a drive-by survey of the area on accessible roads within ¼-mile of the site to observe types of general land use. Photographs of the site are provided as Appendix A.
- Reviewed the federal, state, and local database list search, provided by Environmental Data Resources, Inc., (EDR) of known or potential hazardous waste sites or landfills and sites currently under investigation for environmental violations. The agency lists and search radii results (EDR Report) are provided in Appendix B.
- Reviewed the results of an environmental lien search conducted by EDR. The results of this research are provided in Appendix C.

# SECTION ONE

## Introduction

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- Conducted inquiries in person, by telephone, or in writing to the appropriate regulatory agencies for information regarding environmental permits, violations or incidents, and/or the status of enforcement actions at each site.
- Reviewed pertinent available documents and maps regarding local physiographic and hydrogeologic conditions in the site vicinity including the potential presence of wetlands, floodplains, coastal zones, aquifer recharge areas, and nearby environmentally sensitive sites.
- Reviewed and interpreted available archival U.S. Geological Survey (USGS) topographic maps (Appendix D) and historical aerial photographs (Appendix E) of the sites and vicinity for evidence of previous site activities and development that would suggest the potential presence of hazardous substances at the site.
- Prepared this report describing the research performed and presenting URS' findings and professional opinions regarding the potential for adverse environmental impacts to the subject property.

### 1.4 USER RELIANCE

This report has been prepared for use by the SDUHSD and shall not be relied upon by, or transferred to, any other party, or used for any other purpose, without the express written authorization of URS.

### 1.5 LIMITATIONS AND EXCEPTIONS

This report and associated work have been provided in accordance with the terms and conditions of the proposal between the SDUHSD and URS dated April 12, 2013 and as amended on August 23, 2013. Based on the scope of services outlined in the proposal, the Phase I ESA did not include testing for radon gas, lead-based paint, or lead in drinking water; sampling or testing of soil or groundwater; or evaluation of wetlands or cultural resources. In addition, this ESA did not include a compliance audit.

Our work has been performed using the degree of care and skill ordinarily exercised by reputable environmental consultants working in this area. No other warranty, expressed or implied, is made as to the professional advice included in this report.

# SECTION TWO

## Site Description

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### SECTION 2 SITE DESCRIPTION

#### 2.1 LOCATION

The site is located within a residential neighborhood along the south side of Calle Barcelona, and east of El Camino Real in the City of Carlsbad. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. To the south and east, the site is bound by the residential community of Rancho Ponderosa (Figures 1 and 2). According to information provided by the County of San Diego Assessor's Office, the assessor's parcel number (APN) for the site is 255-273-08-00. The parcel is currently owned by the SDUHSD.

#### 2.2 FEATURES/USE

The subject property is an irregular-shaped parcel comprising approximately 28 acres of generally undeveloped land. The property lies along the southern side of Calle Barcelona, which is a main thoroughfare in the residential community of La Costa Valley in Carlsbad, California, and is situated between the intersections of Paseo Aliso to the west and Paseo Avelano to the east.

Coastal Community Church occupies the lot directly west of the subject property. To the north, the property is bound by Calle Barcelona. Residential lots border the site to the east and south. Surface topography is generally flat across much of the site with occasional shallow drainage gullies and unpaved narrow trails that cross the parcel in irregular patterns. Surface elevations across much of the flat landscape on the subject property range from approximately 100 to 168 feet above mean sea level (msl). An approximately 2:1 (horizontal to vertical) westerly descending slope covered with low-growing shrubs separates the eastern half (elevated side) of the parcel from the western half (lower side). The elevated side is approximately 30 feet higher in elevation than the lower side where the slope separates the eastern from the western portions of the property. A gravel-paved ramp that gently descends from the eastern side of the lot to the west has been constructed near the north-central portion of the site to facilitate pedestrian and vehicle access to both sides of the property. With the exception of some of the perimeter slopes, much of the parcel has been cleared of surface vegetation (Appendix A).

The site perimeter is fenced with two gates which can be accessed from Calle Barcelona. Minor improvements include four desilting basins (two on the elevated portion of the parcel and two on the lower side of the property) to control sediment runoff. The basins are secured by a chain-link fence. Other drainage and flood control measures installed at the site or offsite include concrete-lined brow ditches along the property boundaries and a box culvert and sub-drain system to convey runoff from the south-central portion of the property to the northwest corner of the site. Other site improvements include a rectangular sun shelter/canopy, located on the top side (eastern half) of the parcel near the slope. The area where the canopy is located is paved with asphalt and is fenced off (Appendix A – Site Photographs).

## SECTION TWO

## Site Description

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### 2.3 SITE VICINITY AND ADJACENT PROPERTIES

URS' observations and evaluation of adjoining properties were limited to features and conditions that were visible from public rights-of-way. The following observations were made:

North: To the north, the site is bound by Calle Barcelona, the main east-west thoroughway through La Costa Valley. A community clubhouse, a kindergarten and single-family residences are located beyond Calle Barcelona to the north.

East: The site is bound to the east by the residential community of Rancho Ponderosa.

South: To the south, the site is also bound by the residential community of Rancho Ponderosa.

West: To the west, the site is bound by the Coastal Community Church.

# SECTION THREE

## Physical Setting

### SECTION 3 PHYSICAL SETTING

#### 3.1 TOPOGRAPHY

The site topography, as mapped on the U.S. Geological Survey, Encinitas, California, 7½-minute topographic quadrangle map (USGS, 1997) shows a system of low-relief, northwest-southeast trending natural drainages that converged on the downslope side of a west-facing ridge near the central part of the site. These natural drainage channels appear to have meandered along the northeast, northwest and southwest portions of the property until they were filled in as part of site grading activities in 1999.

The current site topography, as it was reshaped following the completion of site grading in 1999, is generally flat across much of the landscape with occasional shallow drainage gullies and unpaved trails which cross the site in irregular patterns. Surface elevations across much of the flat landscape on the site range from approximately 100 to 168 feet above msl. An approximately 2:1 (horizontal to vertical) westerly descending slope separates the eastern half (elevated side) of the parcel from the western half (lower side). The top side is approximately 30 feet higher in elevation than the bottom side where the slope separates the eastern and western portions of the property. A gravel-paved ramp that gently descends along the slope from the eastern side of the lot provides pedestrian and/or vehicle access to the west side of the parcel.

#### 3.2 SURFACE WATER

The nearest mapped surface water is the Batiquitos Lagoon, located approximately 1.35 miles northwest of the site. The Batiquitos Lagoon is fed primarily by the San Marcos and Encinitas Creeks, both of which are a part of the San Marcos Creek Watershed, but is also tidally connected to the Pacific Ocean to the west.

Surface water flow across the site appears to be generally from east to west and is controlled by concrete-lined brow ditches along the property boundaries and a storm water collection box and a sub-drain system to convey runoff from the south-central portion of the property to the northwest corner of the site where it connects to the municipal storm drain system. The sub-drain system runs below ground within a five-foot wide cross-lot drainage easement, as recorded in the land title document.

Surface soils across an area in the southeastern portion of the site were found to be moist to wet at the time of our reconnaissance. This condition is presumably due to water seepage from the west-facing slopes constructed along the site perimeters in this area.

According to the California Regional Water Quality Control Board (RWQCB) Basin Plan, the site is located within the San Marcos Creek Watershed (RWQCB, 1994). This watershed is listed as having potential agricultural beneficial uses. Other uses cited are for recreational level 1 (contact); recreational level 2 (non-contact); warm water as well as wild habitat beneficial uses.

## SECTION THREE

## Physical Setting

### 3.3 GEOLOGY AND SOILS

The site is located in the western portion of the Peninsular Ranges geomorphic province of southern California and within the Coastal Plain region of San Diego County. The site is mapped as being primarily underlain at depth by the middle Eocene Santiago Formation and is partially bordered by the middle Eocene Delmar Formation with minor infringement of the Holocene and late Pleistocene alluvial flood plain deposits near the north/north-central portion of the site. According to the information pamphlet accompanying the Geologic Map of the Oceanside 30' x 60' Quadrangle, California, published by the California Geological Survey (CGS) in 2007, the Santiago Formation consists primarily of coarse-grained, poorly sorted arkosic sandstone and conglomerate with greenish-brown claystone interbeds and lenses of fossiliferous lagoonal claystone and siltstone. The Delmar Formation consists primarily of dusky yellowish-green, sandy claystone interbedded with medium-gray, coarse-grained sandstone. The flood-plain deposits consist of poorly consolidated, poorly sorted and permeable flood plain deposits of sandy, silty or clay-bearing alluvium (Kennedy and Tan, 2007). An as-built geologic map prepared by Geocon, Inc. (Geocon) was furnished to URS for review. This map details the lithologies encountered during site grading in 1999 and depicts the contacts between the Delmar Formation, the alluvium and Torrey Sandstone at the site. The Torrey Sandstone, as described by the CGS, generally consists of white to light-brown, medium to coarse-grained, moderately well indurated, massive and broadly cross-bedded, arkosic sandstone dating back to middle Eocene (Kennedy and Tan, 2007).

According to information obtained from the City of Carlsbad and State of California Department of Conservation (CDC), there are no known active or potentially active faults located within the limits of the City of Carlsbad. No Special Studies Zones, as required by the Alquist-Priolo Geologic Hazards Act, have been delineated within the City by the State Geologist (City of Carlsbad, 2013 and CDC, 2013).

### 3.4 HYDROGEOLOGY

The site is located in the Batiqitos hydrologic subarea of the San Marcos hydrologic area located within the Carlsbad hydrologic unit (RWQCB, 1994). This hydrologic subarea is reported to have designated beneficial uses for municipal, agricultural and industrial purposes (RWQCB, 1994). Based on information obtained from the as-built grading plans provided by Geocon, static groundwater at the site may occur at a depth of approximately 70 feet below ground surface (bgs) near the northwestern portion of the site (Geocon, 1999).

According to the EDR report, no groundwater wells were identified on the Federal USGS, Federal Public Water Supply System Information or State Databases within one mile of the site (EDR, 2013).



## SECTIONFOUR

## Site History

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### SECTION 4 SITE HISTORY

URS reviewed readily available historical data pertaining to the subject site. These references were reviewed for evidence of activities that would suggest the potential presence of hazardous substances at the subject property. They were also used to evaluate the potential for the subject property to be impacted by offsite sources of contamination. The following subsections summarize our review.

#### 4.1 HISTORICAL SANBORN FIRE INSURANCE MAPS

URS requested historical Sanborn Fire Insurance maps of the site and vicinity from EDR. EDR reported that historical Sanborn Fire Insurance maps are not available for the site and vicinity.

#### 4.2 HISTORICAL CITY DIRECTORIES

URS reviewed EDR's City Directory Abstract for the site vicinity. Directories searched were dated from 1903 through 2013. A property address was not listed for the site. Several residential addresses were listed in the directories associated with the properties neighboring the site to the east and south. In addition to the Coastal Community Church at 2215 Calle Barcelona, the La Costa Valley Preschool and Kindergarten at 2276, and La Costa Valley Master Association at 2280 Calle Barcelona were among the businesses listed in the directories as being immediately adjacent to or near the site.

#### 4.3 HISTORICAL USGS TOPOGRAPHIC MAPS

URS reviewed historical USGS topographical maps of the site vicinity dated 1893, 1901, 1904, 1947, 1949, 1968, 1975, 1983, 1996, and 1997 that were obtained from EDR (Appendix D). The following is a summary of the review.

Prominent physiographic features in maps dated 1893 through 1947 include the east-west trending ridges and valleys visible near the site. The Encinitas and San Marcos Creeks appear as the main components of the San Marcos Creek watershed leading to the Batiquitos Lagoon. Major roadways such as El Camino Real and Olivenhain Road also appear in the maps. No readily visible evidence of major development appears on or in the site vicinity until 1968. The 1968 maps indicate the presence of some structures in the site vicinity to the south and southwest, which appear to be likely related to agricultural or ranching activities when compared with historical aerial photographs from corresponding years. More roadways and additional structures appear in the 1975 through 1997 maps. In the 1997 map, most of the surrounding areas to the north and south of the site appear to have been developed with connecting streets and roadways including Calle Barcelona. The site topography, however, does not appear altered in this map compared to maps from earlier years.

As-graded geologic maps of the site, furnished to us by Geocon indicate that first alterations to the site topography occurred in 1999 (Geocon, 1999). Site grading involved filling the natural drainages that were present in the northeast, northwest and southwest portions of the property and cutting into the claystone/sandstone ridge that crops out near the center of the site by as much as 40 feet to make a level lot. The maximum fill thickness across the site is estimated to be 30 feet based on review of the as-graded geologic maps provided by Geocon. URS' follow-up e-mail correspondence with Geocon

## SECTIONFOUR

## Site History

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engineer Mr. Raul Garcia indicated that, in general, the fill soils used at the site were generated during grading of the Arroyo La Costa Southwest. This included the grading work performed for the neighboring Coastline Community Church, Calle Barcelona and the residential development to the north of the site as well as cuts performed onsite on the eastern portion of the site.

### 4.4 HISTORICAL AERIAL PHOTOGRAPHS

URS reviewed aerial photographs of the site vicinity for the years 1939, 1947, 1953, 1963, 1974, 1980, 1990, 1994, 2005, 2009, 2010, and 2012 that were obtained from EDR (Appendix E). A summary of the aerial photograph review follows.

Some of the site surrounding areas appear to be cultivated with evidence of row crop farming activities appearing in photographs from 1939, 1947 and 1953. A number of structures, likely associated with a ranch or farmhouse, appear offsite in these photographs. The structures appear approximately 500 feet northwest of the site. The site appears as undeveloped in the above-referenced photos. In the 1953 photo, a relatively large section of land just south of the ranch described above appears to have been prepared for cultivation. The easterly and southeasterly portions of this farmland appear to be encroaching onto the site. Evidence of row crop farming activity is more visible in the 1963 photo, in which nearly half of the site appears to be cultivated. The only exception where there was no evidence of farming appears to be near the central portion of the site, where a northwest-trending ridge existed at a higher elevation compared to the rest of the site. Other features visible in the 1963 photo appear to be several elongated structures, many of which are placed parallel to one another and spanning over a relatively large area just south of the site. These structures are likely associated with ranch activity, presumed to be horse corrals, chicken coops or boxes stacked next to each other. No structures or other development other than what appears to be cultivated farmland appears on site.

In the 1974 photo, no evidence of farming appears on site or in the site vicinity. The elongated rectangular structures visible in the 1963 photo, and presumed to be associated with ranch activities directly south of the site, are no longer present in the 1974 photo. The 1980, 1990 and 1994 photos show the emergence of a residential community (Rancho Ponderosa homes) directly south of the site. With the exception of a small network of unpaved roads, the site appears vacant with no structures or other development. The 1994 photo shows emerging natural vegetation in the low-lying areas of the site along the natural drainages leading to the more expansive wetland areas just north of Calle Barcelona. The 2005 photo shows the site as having been graded with no structures or other improvements. Calle Barcelona and other neighborhood streets associated with the La Costa Valley residential community as well as the La Costa Valley clubhouse and the kindergarten appear to the north of the site, across from Calle Barcelona.

In the 2009 photo, the Coastline Community Church appears to be under construction on the lot neighboring the site to the west. In the 2010 photo, the site and surrounding properties resemble the present-day conditions.

In summary, obvious visual indications of potential environmental concerns from past use of the subject property were not observed in the historical photographs. No RECs were identified.

## SECTIONFOUR

## Site History

### 4.5 EDR HISTORICAL DATABASE REVIEW

URS reviewed the results of the EDR Proprietary Historical Database search presented in the EDR Radius Map report in order to identify past and current occupants of the site and surrounding area that may have had the potential to generate, use or store hazardous materials (i.e., manufactured gas plants, historical auto stations and dry cleaning facilities). The subject site was not identified as a facility in the EDR Proprietary Historical Databases. Two establishments were identified under the EDR US Historical Cleaners sites within 0.25 miles of the subject property. These include Vic's Carpet and Upholstery Cleaning at 7937 Represa Circle and Coast Carpet Cleaners at 2408 Majano Place. Based on our review of the addresses provided by EDR for these business establishments, it is evident that both businesses conduct their transactions from their home addresses with mobile services to serve their clients and customers offsite. Therefore, it is unlikely that the identified establishments constitute a REC or pose an environmental risk to the site. The EDR Radius Map Report is included as Appendix B.

### 4.6 OWNER-PROVIDED INFORMATION

#### 4.6.1 Title Records

Title records were not provided by the property owner; however these records were searched and provided by EDR. According to the records retrieved at the San Diego County Assessor's office, the current owner of the subject property is the San Dieguito Union High School District. The legal description for the subject site, as it appears in Exhibit A of the land title is as follows:

"Lot 483 of Carlsbad Tract No. 88-03-2, Arroyo La Costa, Unit 2, in the City of Carlsbad, County of San Diego, State of California, according to map thereof No. 13386, filed in the office of the County Recorder of San Diego County, December 20, 1996".

According to the records reviewed, the land title was vested in San Dieguito Union High School District on September 17, 1999. The title was received from Villages of La Costa Southwest, LLC.

#### 4.6.2 Environmental Liens

An environmental lien search was completed for the site by EDR. The lien search report stated that no environmental liens were found to be associated with the site (EDR, 2012). The lien search report is included in Appendix C. In addition, based on our review of the EDR database report (see Section 6.0 of this report), no Federal NPL (Superfund) liens or deed restrictions were identified associated with the site. No record of environmental liens was found through the EDR search.

#### 4.6.3 Activity and Use Limitations

Based on information provided by EDR, no record of activity and use limitations (AULs) were found associated with the subject site.

## SECTIONFOUR

## Site History

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### 4.6.4 Valuation Reduction for Environmental Issues

No readily available records were found that would indicate a reduction in property valuation as a result of environmental issues.

### 4.6.5 Previous Environmental Reports

No previous environmental reports were provided to URS for review.

## 4.7 SUMMARY OF HISTORICAL DATA

Available historical documents reviewed by URS dated back to 1893. According to the title records searched, the SDUHSD purchased the site in 1999 from the Villages of La Costa Southwest, LLC. Based on review of historical documents available and information provided by EDR, the site was used for farming in the early 1950s through mid-1960s. In order to obtain information about the type of crop(s) that were grown and potential use of pesticides at the site during this time frame, URS contacted the San Diego County Department of Agriculture, Weights and Measures, but no readily available records could be retrieved dating back to that time. No on-site permanent structures or other development were observed in the historical aerial photographs or other historical records. The subject property was graded to level the topography in 1999 in preparation for construction of a middle school, but the school was never built and the site has remained vacant to the present.

## 4.8 DATA GAPS

No data gaps were identified as part of this Phase I ESA.

## SECTION FIVE

## Site Reconnaissance

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### SECTION 5 SITE RECONNAISSANCE

On November 27, 2013, Mr. Massoud Karimi, a URS representative, conducted a reconnaissance of the subject site and made observations of neighboring properties. The weather was clear and sunny. The reconnaissance consisted of the observation and documentation of existing site conditions during a walk-through tour of the subject property. Site reconnaissance photographs are provided in Appendix A.

The site was accessed through an entrance gate from Calle Barcelona. The site is fenced off on its perimeter and appeared to be divided into two flat segments separated by an approximately 30-foot-high west-facing slope covered with low-growing shrubs. Two desilting basins and a rectangular sun shelter/canopy were observed on the elevated portion of the site (eastern side). The area where the canopy is located is paved with asphalt and is fenced off. Ground surface on this portion of the site was generally found to be flat and, with the exception of some of the perimeter slopes, had been cleared of surface vegetation. Surface soils were found to be moist to wet near the southeastern corner of the site. Minor debris, primarily small unidentifiable plastic fragments and one larger piece of plastic shaped like a tray, and concrete debris, were noted on the ground near one of the desilting basins. These objects are presumed to be remnants associated with landscaping and ground maintenance equipment.

A gravel-paved ramp that gently descends along the slope from the eastern side of the site provides pedestrian and/or vehicle access to the west side of the parcel. The lower portion of the lot (western side) was found to be generally flat with no surface vegetation. Minor quantities of debris and trash such as empty soda cans, flat cardboard, piles of cut and dried vegetation, used golf balls, and unidentifiable plastic fragments were noted on the ground through the site. An approximately 24-inch diameter covered utility man-way with the top lid marked as "storm drain" was observed near the west-central part of the site. This man-way appeared to be associated with an underground cross-lot storm drain easement that conveys stormwater from the south-central part of the property toward the municipal storm drain system on Calle Barcelona. Two desilting basins were also observed on the lower portion of the parcel (western portion) close to the street. No evidence of illegal dumping or other features that could represent a REC were noted during URS' reconnaissance of the subject property.

The site is bound to the south and east by residential dwellings that are located at elevations higher than the site. To the north, the site is bound by Calle Barcelona which runs east-west at a lower elevation compared to the subject property. The La Costa Valley Clubhouse and Master Community Association, as well as a kindergarten and residential dwellings, are located beyond Calle Barcelona to the northeast of the site. A southwest-northeast trending wetland area separates Calle Barcelona and the site from other residential dwellings to the northwest and the El Camino Middle School campus, which is situated approximately 900 feet northwest of the site.

The Coastline Community Church is situated at a lower elevation, neighboring the site to the west. Beyond the church and Paseo Aliso Street, there is a tire swing park with basketball courts. A high-voltage transmission line and high-pressure fuel pipeline easement runs north-south along the western side of this park. This easement is located approximately 1,300 feet west of the subject site and may be considered a REC requiring further evaluations under the California Department of Education guidelines.

## SECTION FIVE

## Site Reconnaissance

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### 5.1 HAZARDOUS SUBSTANCES

Hazardous substances were not observed onsite during the reconnaissance and were not reported by the property owner representative. Evidence of regular hazardous waste generating activities was not observed at the time of the site visit.

### 5.2 STORAGE TANKS

Evidence of aboveground storage tanks (ASTs) and underground storage tanks (USTs), such as vent lines, fill ports or fuel pumps, was not observed onsite and no current or former ASTs or USTs were reported or observed onsite during the site reconnaissance.

### 5.3 POLYCHLORINATED BIPHENYLS (PCBs)

No electrical transformers were observed on or in the immediate vicinity of the site. No elevators or other potential PCB-containing items or equipment were reported or observed on site at the time of the site visit.

### 5.4 WASTE DISPOSAL

The site is a vacant lot and no activities that generate hazardous waste were reported or observed on site at the time of the site visit and there is no current municipal trash service.

### 5.5 WETLANDS, FLOODPLAIN, COASTAL ZONE

Wetlands delineation was not included in this Phase I ESA. The nearest mapped wetland area was identified by the EDR report according to the National Wetland Inventory search. The subject wetland was mapped approximately 200 feet due north of the site across from Calle Barcelona.

According to the EDR report, the site lies within a Federal Emergency Management Agency (FEMA) flood panel, but not within 100 or 500-year flood zones. The site does not lie within a coastal zone.

### 5.6 DRUMS/OTHER CHEMICAL CONTAINERS

No drums or other chemical containers were observed onsite during the site reconnaissance.

### 5.7 DUMPING

Evidence of unauthorized dumping of chemicals, substances or waste was not observed during the site reconnaissance.

## SECTION FIVE

## Site Reconnaissance

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### **5.8 PITS, PONDS, LAGOONS, SEPTIC SYSTEMS, CISTERNS, SUMPS, DRAINS, AND CLARIFIERS**

Pits, ponds, lagoons, septic systems, cisterns, sumps and clarifiers were not observed at the subject site at during the site reconnaissance and none were reported. Stormwater drainage across the sites is controlled by engineered drainage channels that direct stormwater flow to the municipal stormwater system. Four desilting basins were observed on site for sediment transport control due to surface water runoff. Desilting basins were found to be dry during the site reconnaissance.

### **5.9 STAINING AND DISCOLORED SOILS**

No stained or discolored soils were observed onsite during the site reconnaissance.

### **5.10 STRESSED VEGETATION**

Stressed vegetation was not observed onsite during the reconnaissance.

### **5.11 UNUSUAL ODORS**

No unusual odors were noted during the reconnaissance.

### **5.12 ONSITE WELLS**

No groundwater wells were observed onsite and no historical groundwater wells were reported by EDR. Based on review of the California Department of Conservation online Oil, Gas & Geothermal Maps of District #1 and the EDR Radius report, no oil or gas wells were identified within 1/4 mile of the subject property.

### **5.13 NEARBY ENVIRONMENTALLY SENSITIVE SITES**

The nearest mapped wetland area was identified by the EDR report according to the National Wetland Inventory search. The subject wetland is mapped approximately 200 feet due north of the site across from Calle Barcelona. Ground surface in an area near the southeast corner of the property was found to be wet to saturated during our site reconnaissance.

### **5.14 RADON**

The EDR report documents Federal EPA Radon Zone for San Diego County, California is 3. Zone 3 areas are predicted to have an average indoor radon screening potential of less than 2 picoCuries per liter of air (pCi/l). The USEPA action level for radon is 4.0 pCi/l. Therefore, further assessment for radon appears unwarranted (EDR 2012).

## SECTION FIVE

## Site Reconnaissance

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### 5.15 OTHER CONCERNS

The response from the Office of the Fire Marshall Pipeline Safety Division indicated that a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. These pipelines are reportedly operated and maintained by Kinder Morgan with a point of contact listed as Mr. Don Quinn at (714) 560-4940. Mr. Quinn could not be reached for a telephone interview despite several attempts by URS. However, additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high-pressure and located within the same corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the subject property. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-Kilovolt (KV) and 138-KV electric transmission line (City of Carlsbad Public Safety Element, 2013).

Based on URS' knowledge and understanding of the California Department of Education's current guidelines, it is likely that a pipeline risk evaluation may be required by that agency for review and consideration prior to approval of the site for development as planned by the SDUHSD.

In general, a pipeline risk analysis must be performed to estimate possible risk from a single pipeline or multiple pipelines that meet the applicability conditions. The purpose of pipeline risk analysis in the present context is to estimate a numerical value for the safety risk of a gas or hazardous liquid pipeline failure within 1,500 feet of any site proposed for school development and for comparison of the estimated risk with criteria recommended by CDE. The comparison will determine the extent to which additional risk control or mitigation measures might be required.

A high-pressure pipeline (transporting petroleum, petroleum products, natural gas pipelines, or other hazardous substances that could present a safety hazard to the proposed school campus site) is defined as a pipeline operating at a pressure of 80 pounds per square inch gage (psig). Other gases are treated on a case-by-case basis.



## SECTION SIX

## Government Agency Information

**SECTION 6 GOVERNMENT AGENCY INFORMATION**

URS reviewed readily available records regarding past and current site use, contacted applicable agencies regarding potential environmental concerns at the site, and reviewed the agency database list search for potential environmental concerns at surrounding properties. The information obtained during the records review is provided in the following sections.

**6.1 DATABASE LIST SEARCH**

URS contracted an environmental database firm, EDR, to conduct a search for facilities listed by regulatory agencies as potentially having environmental concerns. The search was limited to a one-mile radius (*i.e.*, ASTM and AAI standards) of the subject property to assess whether activities on or near the subject property have the potential to result in RECs at the subject property. The complete list of databases reviewed is provided in the EDR Radius Map Report, included as Appendix B and summarized in the following table. It should be noted that this information is reported as URS received it from EDR, which in turn reports information as it is provided in various government databases. It is not possible for either URS or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence. The databases searched and the information obtained is summarized in Sections 6.1.1 and 6.1.2.

The following table summarizes the number of facilities in the site vicinity that were identified in the indicated agency databases within the specified survey distances.

Agency Database	Survey Distance (miles)	Number of Sites Identified
United States Environmental Protection Agency (EPA) National Priority List (NPL) for Superfund Sites	1.00	0
U.S. Proposed NPL List	1.00	0
U.S. National Priority List Deletions (Delisted NPL) List	1.00	0
NPL Recovery List (Federal Superfund Liens)	Target Property	0
U.S. EPA Comprehensive Environmental Response, Compensation and Liability Index System (CERCLIS) List	0.50	0
U.S. EPA CERCLIS – No Further Remedial Action Planned (CERCLIS-NFRAP)	0.50	0
U.S. EPA Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) List	1.00	0
U.S. EPA RCRA Permitted Treatment, Storage, and Disposal (TSD) Facilities	0.50	0
U.S. EPA RCRA Registered Large Generators of Hazardous Waste (RCRA LQG)	0.25	0

## SECTION SIX

## Government Agency Information

Agency Database	Survey Distance (miles)	Number of Sites Identified
U.S. EPA RCRA Registered Small Generators of Hazardous Waste (RCRA SOG)	0.25	0
U.S. EPA Emergency Response Notification System (ERNS) List	Target Property	0
U.S. Hazardous Materials Incident Reporting System (HMIRS)	Target Property	0
U.S. Engineering Controls Sites (ENG Controls) List	0.50	0
U.S. Sites with Institutional Controls (INST Controls) List	0.50	0
U.S. Record of Decision (ROD) List	1.00	0
State Hazardous Waste Sites (HIST Cal-Sites)	1.00	0
State Hazardous Material Incidents, Including Accidental Releases and Spills (CHMIRS)	Target Property	0
State Hazardous Waste and Substances Sites (Cortese)	0.50	0
State Proposition 65 Database (Notify 65)	1.00	0
State Toxic Pits Cleanup Act Sites (Toxic Pits)	1.00	0
State Permitted Solid Waste Landfill, Incinerators or Transfer Stations (SWF/LF) List	0.50	0
State Waste Management Unit Database System (WMUDS/SWAT)	0.50	0
State Leaking Underground Storage Tank (LUST) List	0.50	0
State Bond Expenditure Plan (CA Bond Exp. Plan)	1.00	0
State Drycleaners List	0.25	0
State Site Cleanup (SLIC) List	0.50	0
State Voluntary Cleanup Program (VCP)	0.50	0
State and Tribal Registered Above-ground Storage Tanks (Indian AST)	0.25	0
State and Tribal Registered Underground Storage Tanks (Indian UST)	0.25	0
State Leaking Underground Storage Tanks on Indian Land (Indian LUST)	0.50	0
State Facility Inventory Database of historic active and inactive UST locations (CA FID UST)	0.25	0
State Hazardous Substance Storage Container Database of historic UST sites (HIST UST)	0.25	0
State SWEEPS UST database	1.00	0
State Site Mitigation and Brownfields Reuse Program (ENVIROSTOR) database	0.50	0
San Diego County Site Assessment and Mitigation (SAM)	0.50	0
San Diego County Hazardous Materials Management Division (HMMD)	Target Property	0
EDR Proprietary Records: Manufactured Gas Plants	1.00	0
EDR Proprietary Records: Historical Auto Stations	0.25	0

## SECTION SIX

## Government Agency Information

Agency Database	Survey Distance (miles)	Number of Sites Identified
EDR Proprietary Records: Historical Cleaners	0.25	2
Other Local, State, and/or Federal Databases including, but not limited to, Brownfield listings, Current and Former Department of Defense Sites, Consent Decrees, Records of Decision, Deed Restrictions, Hazardous Materials or Waste Tracking Systems and Facility Registries, and Enforcement Activities (see EDR report for complete listing of databases and search radii)	Varied according to database	0

### 6.1.1 Subject Property

The subject property was not reported in any of the listed agency databases searched by EDR.

### 6.1.2 Adjacent Properties

No adjacent properties were reported in any of the listed agency databases searched by EDR.

### 6.1.3 Site Vicinity

URS reviewed the EDR database report to identify offsite facilities that have suspected or documented environmental concerns or RECs that may negatively impact the subject property. URS' criteria for further evaluating the potential impact of a listed offsite facility are summarized below:

- The listed offsite facility is documented or assumed to be hydrogeologically upgradient and a likely pathway exists for known releases of environmentally mobile contaminants to reach the subject property; or, contaminants from the listed offsite facility can reach the subject through other pathways (*i.e.*, surface runoff); and,
- The offsite facility is listed as an open case on one of the following databases: Federal NPL, Federal CORRACTS, Federal CERCLIS, Federal ERNS, and State-Specific lists including, but not limited to, State Hazardous Waste Sites, State SCL, State LUST, State Deed Restrictions, State Toxic Pits, Landfill (excluding transfer stations); or
- The facility is a known or suspected concern based on URS' experience or observations made during the site reconnaissance. (*i.e.*, dry-cleaning operations that may or may not be listed as RCRA-SQG or a non-adjacent UST site that appears to have a remediation system in place).

Two establishments were identified under the EDR US Historical Cleaners sites within 0.25 miles of the subject property. These include Vic's Carpet and Upholstery Cleaning at 7937 Represa Circle and Coast Carpet Cleaners at 2408 Majano Place. Based on our review of the addresses provided by EDR for these business establishments, it is evident that both businesses conduct their business transactions from their home addresses with mobile services to serve their client and customers offsite. Therefore, it is unlikely that the identified establishments constitute a REC or pose an environmental risk to the subject property.

## SECTION SIX

## Government Agency Information

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### 6.1.4 Unmapped Facilities

“Orphan sites” are facilities listed in the EDR Report that have not been geocoded based on lack of sufficient data regarding their exact location within the general area. Based on the reported database and available location information these orphan-listed facilities do not appear to be RECs to the subject site. A full summary of agency databases can be found in the EDR Database Report provided as Appendix B.

### 6.2 REGULATORY CONTACTS

URS contacted local and state agencies to obtain information regarding the site, such as the status of environmental permits, violations, or corrective actions. Agencies contacted regarding the subject property and a summary of the information obtained are provided below.

**Cal/EPA, DTSC, San Diego Office** - The DTSC responded that they have no files for the subject property (Munoz, 2013).

**County of San Diego, Department of Agriculture, Weights and Measure (AWM)** – The County of San Diego AWM responded that their available data from 2010 through 2013 for the subject parcel did not indicate any pesticide records.

**California Department of Pesticides Regulations (CDPR)** – The CDPR responded that their available relevant data is for 1974 to 2011. This time span post-dates the time frame during which the site appeared to be used as a farmland (early 1950 to mid-1960s) based on URS’ review of historical aerial photographs referenced in Section 4.4 of this report.

**California Regional Water Quality Control Board (RWQCB)** – No records were found in RWQCB database concerning the subject site.

**National Pipeline Mapping System (NPMS)** - Review of the NPMS Public Map Viewer showed that there are no oil, gas or hazardous liquids transmission lines in the vicinity of the site (NPMS, 2013).

**City of Carlsbad Public Records Office (COC)** – No records pertaining to illicit discharge of wastewater, stormwater violations or non-compliance issues or illicit dumping at the subject site were found at the City of Carlsbad Public Records Office.

**San Diego County Department of Environmental Health (DEH)** - The DEH responded that they have no files for the subject properties (Ellman, 2013).

**San Diego County Air Pollution Control District (APCD)** - The APCD responded that they have no files for the subject property addresses (Gould, 2013).

**Office of the State Fire Marshal Pipeline Safety Division** – The response from this office indicated that a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. These pipelines are reportedly operated and maintained by Kinder Morgan with a point of contact listed as Mr. Don Quinn at (714) 560-4940. Mr. Quinn could not be reached for a telephone interview despite several attempts by URS.

## SECTION SIX

## Government Agency Information

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However, additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high-pressure and located within the same corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the subject property. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-KV and 138-KV electric transmission line (Dowdy, 2013 and City of Carlsbad Public Safety Element, 2013).

## SECTION SEVEN

## Phase I ESA Conclusions and Recommendations

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### SECTION 7 PHASE I ESA CONCLUSIONS AND RECOMMENDATIONS

At the request of SDUHSD, URS has completed a Phase I Environmental Site Assessment (ESA) for a vacant land parcel in La Costa Valley, Carlsbad, California referred to herein as the La Costa Valley site. According to information provided by the County of San Diego Assessor's Office, the APN for the site is 255-273-08-00. The parcel is currently owned by the SDUHSD. The proposed future site development plans include the construction of athletic fields, a gymnasium and a multi-purpose building.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the site. Based on the scope of services performed to date, no RECs were identified in connection with URS' review of historic or current site use and operations at the subject sites.

Based on information obtained from review of pertinent and readily available historical aerial photographs, the subject property was historically used for row crop farming between the early 1950s to mid-1960s. Due to the database and archival information limitations at the CDPR with available data only for 1974 through 2011, no information concerning the potential past use of pesticides at this site could be retrieved. Considering the timeline during which farming activities could be associated with the subject property, dating back to approximately 50 years ago, it is unlikely that residual pesticides would be present in the site soils at concentrations which would pose a significant health risk to the public or to the environment.

The response from the Office of the Fire Marshall Pipeline Safety Division indicated that a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. These pipelines are reportedly operated and maintained by Kinder Morgan Energy Company. Additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high-pressure and located within the same utility corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the subject property. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-KV and 138-KV electric transmission line (Dowdy, 2013 and City of Carlsbad Public Safety Element, 2013).

Based on URS' knowledge and understanding of the California Department of Education's (CDE) current guidelines, it is likely that a pipeline risk evaluation may be required by that agency for review and consideration prior to approval of the site for development as planned by the SDUHSD.

In general, a pipeline risk analysis must be performed to estimate possible risk from a single pipeline or multiple pipelines that meet the applicability conditions. The purpose of pipeline risk analysis in the present context is to estimate a numerical value for the safety risk of a gas or hazardous liquid pipeline failure within 1,500 feet of any site proposed for school development and for comparison of the estimated

## SECTION SEVEN

## Phase I ESA Conclusions and Recommendations

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risk with criteria recommended by CDE. The comparison will determine the extent to which additional risk control or mitigation measures might be required.

A high pressure pipeline (transporting petroleum, petroleum products, natural gas pipelines, or other hazardous substances that could present a safety hazard to the proposed school campus site) is defined as a pipeline operating at a pressure of 80 psig. Other gases are treated on a case-by-case basis. Therefore, URS recommends submitting the results and findings from this Phase I ESA to the CDE for review and comments in relation to the potential risks associated with the pipeline easement.

## SECTION EIGHT

## Preparer Signature and Qualifications

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### SECTION 8 PREPARER SIGNATURE AND QUALIFICATIONS

This section includes qualification statements of the environmental professional responsible for conducting the Phase I ESA and preparing this report.

The site reconnaissance was performed and report written by Mr. Massoud Karimi of the URS office in San Diego, California. Mr. Karimi, PG has over 28 years of experience in environmental site investigations, characterizations, and assessments. The report was reviewed by Mr. Bob Scott, PG, CHG who has over 28 years of experience in the environmental field.

Mr. Karimi declares that, to the best of his professional knowledge and belief, he meets the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

Mr. Karimi has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. Mr. Karimi has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



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Massoud Karimi, PG  
Senior Project Geologist



# SECTIONNINE

## References

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## SECTIONNINE

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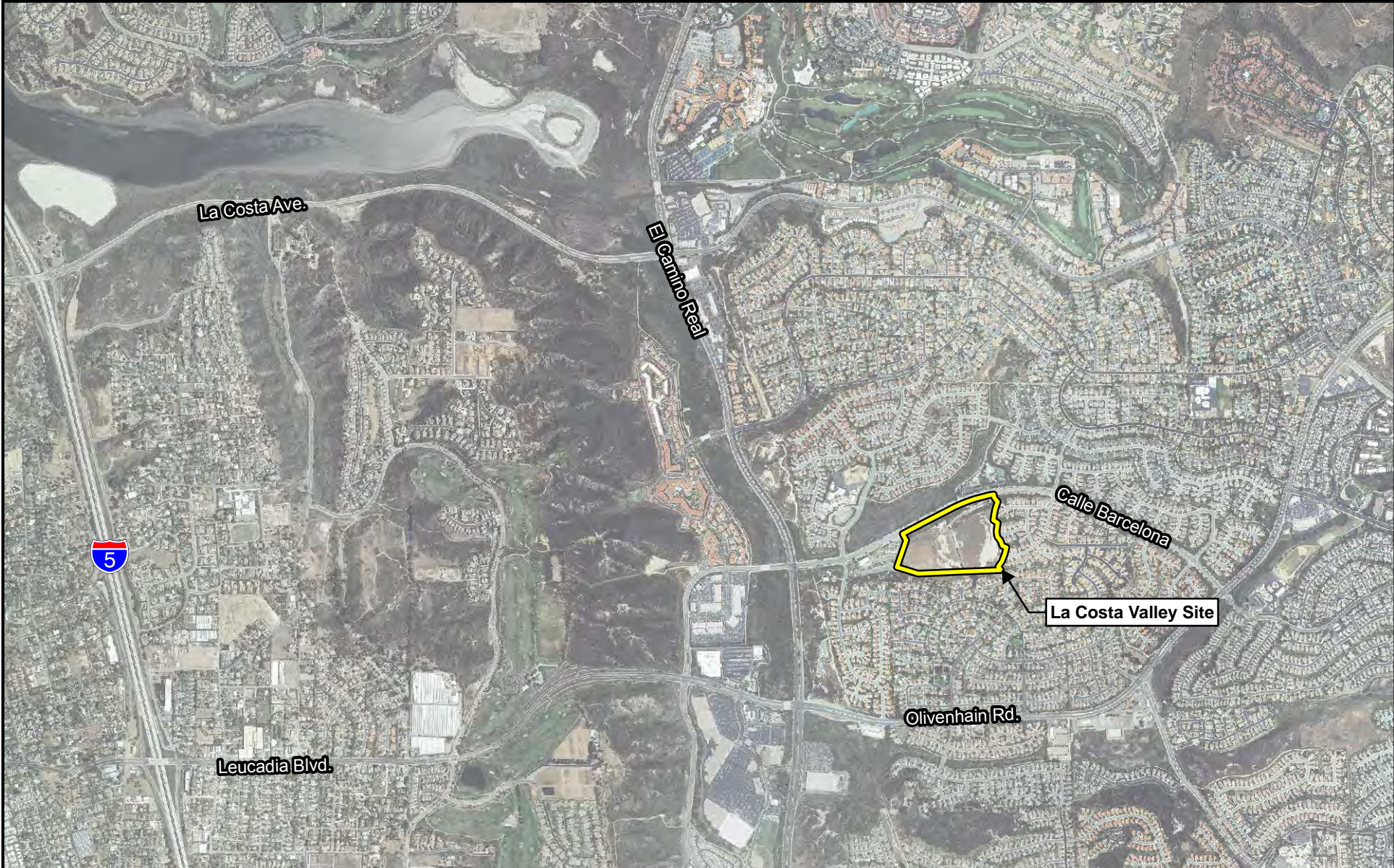
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## Figures

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Path: G:\gis\projects\157727653117\map\_docs\mxl\Site\_Vicinity.mxd, paul\_morris, 12/16/2013, 1:25:56 PM



SOURCES: Roads, Parcels, Aerial Imagery  
(SanGIS, 2012).



1000 0 1000 2000 Feet

SCALE: 1" = 2000' (1:24,000)  
SCALE CORRECT WHEN PRINTED AT 8.5X11

SITE VICINITY  
LA COSTA VALLEY SITE  
CARLSBAD, CA

CREATED BY: DT

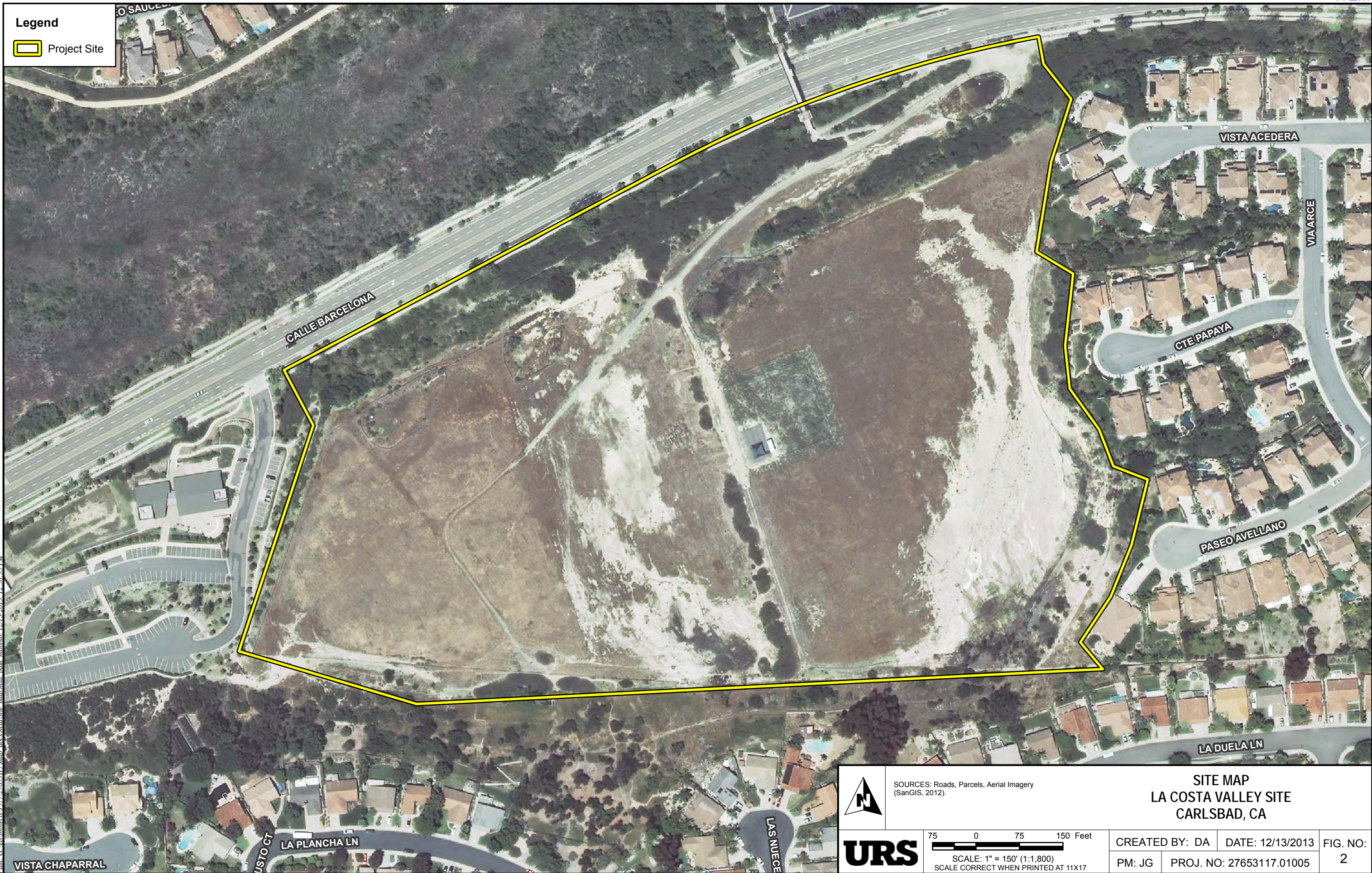
DATE: 12/16/2013

FIG. NO:

PM: CM



PROJ. NO: 27653117.01005

1



Paths: G:\gis\mxd\15727265317\mxd\doctm\Site - mxd\msd\msd.mxd, 12/13/2013, 12:58:35 PM

**Legend**  
 Project Site

	SOURCES: Roads, Parcels, Aerial Imagery (SanGIS, 2012).		<b>SITE MAP</b> <b>LA COSTA VALLEY SITE</b> <b>CARLSBAD, CA</b>	
		75 0 75 150 Feet SCALE: 1" = 150' (1:1,800) SCALE CORRECT WHEN PRINTED AT 11X17	CREATED BY: DA PM: JG	DATE: 12/13/2013 PROJ. NO: 27653117.01005

# APPENDIX A

## Site Reconnaissance Photographs

---

APPENDIX A

Site Reconnaissance Photographs



**Photograph 1**

**Comments:**  
View of the site looking to the northeast toward Calle Barcelona with the easternmost desilting basin in the background



**Photograph 2**

**Comments:**  
View from outside of fenced desilting basin with scrap piece of plastic and concrete debris just outside of basin on site.

# APPENDIX A

## Site Reconnaissance Photographs



**Photograph 3**

**Comments:**  
View from outside a desilting basin on the elevated (eastern) portion of site looking due west with concrete debris in the foreground.



**Photograph 4**

**Comments:**  
View from the elevated (eastern) portion of the site looking due north toward Calle Barcelona and pedestrian bridge with the La Costa Valley residential community in the background.



APPENDIX A

Site Reconnaissance Photographs



**Photograph 5**

**Comments:**  
View of the subject property with residential units above the slope in the background due east of the site. Photo shows some shallow depressions in the ground in the foreground.



**Photograph 6**

**Comments:**  
View on site of the lower portion of the parcel looking west with pieces of scrap cardboard in the foreground.

# APPENDIX A

## Site Reconnaissance Photographs



**Photograph 7**

**Comments:**  
View of the southeastern corner of the site with wet to saturated surface soil. Neighboring residences are shown above the slope in the background.



**Photograph 8**

**Comments:**  
View of the lower (western) portion of the site from the top of the west-facing slope looking north toward La Costa Valley residential community. The access ramp and one of the desilting basins are visible near the top right corner and top center of photo.

# APPENDIX A

# Site Reconnaissance Photographs



**Photograph 9**

**Comments:**  
View of the sun shelter/canopy inside the fenced area on the elevated portion of the site. View looking northeast.



**Photograph 10**

**Comments:**  
View from the top of the gravel-paved access ramp with the lower (western) portion of the site and two desilting basins appearing in the foreground.

APPENDIX A

Site Reconnaissance Photographs



**Photograph 11**

**Comments:**  
View of covered storm drain utility man-way near the center of the lower (western) portion of the lot. A 5-foot wide cross-lot drainage easement runs through the center of photo to the northwest to connect with the municipal storm drain system.



**Photograph 12**

**Comments:**  
Concrete storm drain culvert offsite to the south of property connects with the on-site cross-lot sub-drain system to convey storm runoff to the municipal storm water system on Calle Barcelona.

# APPENDIX A

## Site Reconnaissance Photographs



**Photograph 13**

**Comments:**  
View of lower (western) portion of the site looking southwest towards neighboring residential community with a pile of cut vegetation shown in the foreground.



**Photograph 14**

**Comments:**  
View of the lower (western) portion of the site with the El Camino Creek Middle School campus and high-voltage electric transmission lines and high-pressure pipeline easement shown in the background.

# APPENDIX B

# EDR Radius Map Report

---

**Proposed La Costa Valley Recreational Facilities**

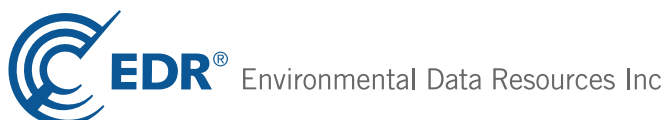
1876-1942 CALLE BARCELONA

Carlsbad, CA 92009

Inquiry Number: 3785462.2s

November 14, 2013

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

## TARGET PROPERTY INFORMATION

### ADDRESS

1876-1942 CALLE BARCELONA  
CARLSBAD, CA 92009

### COORDINATES

Latitude (North): 33.0740000 - 33° 4' 26.40"  
Longitude (West): 117.2551000 - 117° 15' 18.36"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 476189.0  
UTM Y (Meters): 3659328.2  
Elevation: 182 ft. above sea level

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-A3 ENCINITAS, CA  
Most Recent Revision: 1975  
  
East Map: 33117-A2 RANCHO SANTA FE, CA  
Most Recent Revision: 1983

## AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012  
Source: USDA

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### *Federal NPL site list*

NPL..... National Priority List

# EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

**Federal Delisted NPL site list**

Delisted NPL..... National Priority List Deletions

**Federal CERCLIS list**

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

**Federal CERCLIS NFRAP site List**

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

**Federal RCRA CORRACTS facilities list**

CORRACTS..... Corrective Action Report

**Federal RCRA non-CORRACTS TSD facilities list**

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

**Federal RCRA generators list**

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

**Federal institutional controls / engineering controls registries**

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

**Federal ERNS list**

ERNS..... Emergency Response Notification System

**State- and tribal - equivalent NPL**

RESPONSE..... State Response Sites

**State- and tribal - equivalent CERCLIS**

ENVIROSTOR..... EnviroStor Database

**State and tribal landfill and/or solid waste disposal site lists**

SWF/LF..... Solid Waste Information System

**State and tribal leaking storage tank lists**

LUST..... Geotracker's Leaking Underground Fuel Tank Report

# EXECUTIVE SUMMARY

SLIC..... Statewide SLIC Cases  
SAN DIEGO CO. SAM..... Environmental Case Listing  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

**State and tribal registered storage tank lists**

UST..... Active UST Facilities  
AST..... Aboveground Petroleum Storage Tank Facilities  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

**State and tribal voluntary cleanup sites**

VCP..... Voluntary Cleanup Program Properties  
INDIAN VCP..... Voluntary Cleanup Priority Listing

**ADDITIONAL ENVIRONMENTAL RECORDS**

**Local Brownfield lists**

US BROWNFIELDS..... A Listing of Brownfields Sites

**Local Lists of Landfill / Solid Waste Disposal Sites**

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
WMUDS/SWAT..... Waste Management Unit Database  
SWRCY..... Recycler Database  
HAULERS..... Registered Waste Tire Haulers Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

**Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs  
HIST Cal-Sites..... Historical Calsites Database  
SCH..... School Property Evaluation Program  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
CDL..... Clandestine Drug Labs  
San Diego Co. HMMD..... Hazardous Materials Management Division Database  
US HIST CDL..... National Clandestine Laboratory Register

**Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database  
HIST UST..... Hazardous Substance Storage Container Database  
SWEEPS UST..... SWEEPS UST Listing

**Local Land Records**

LIENS 2..... CERCLA Lien Information  
LIENS..... Environmental Liens Listing  
DEED..... Deed Restriction Listing

**Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System

## EXECUTIVE SUMMARY

CHMIRS..... California Hazardous Material Incident Report System  
 LDS..... Land Disposal Sites Listing  
 MCS..... Military Cleanup Sites Listing  
 SPILLS 90..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators  
 DOT OPS..... Incident and Accident Data  
 DOD..... Department of Defense Sites  
 FUDS..... Formerly Used Defense Sites  
 CONSENT..... Superfund (CERCLA) Consent Decrees  
 ROD..... Records Of Decision  
 UMTRA..... Uranium Mill Tailings Sites  
 US MINES..... Mines Master Index File  
 TRIS..... Toxic Chemical Release Inventory System  
 TSCA..... Toxic Substances Control Act  
 FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
 HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
 SSTS..... Section 7 Tracking Systems  
 ICIS..... Integrated Compliance Information System  
 PADS..... PCB Activity Database System  
 MLTS..... Material Licensing Tracking System  
 RADINFO..... Radiation Information Database  
 FINDS..... Facility Index System/Facility Registry System  
 RAATS..... RCRA Administrative Action Tracking System  
 RMP..... Risk Management Plans  
 CA BOND EXP. PLAN..... Bond Expenditure Plan  
 UIC..... UIC Listing  
 NPDES..... NPDES Permits Listing  
 Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
 HIST CORTESE..... Hazardous Waste & Substance Site List  
 CUPA Listings..... CUPA Resources List  
 Notify 65..... Proposition 65 Records  
 DRYCLEANERS..... Cleaner Facilities  
 WIP..... Well Investigation Program Case List  
 ENF..... Enforcement Action Listing  
 HAZNET..... Facility and Manifest Data  
 EMI..... Emissions Inventory Data  
 INDIAN RESERV..... Indian Reservations  
 SCRDRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
 MWMP..... Medical Waste Management Program Listing  
 COAL ASH DOE..... Steam-Electric Plant Operation Data  
 COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
 HWT..... Registered Hazardous Waste Transporter Database  
 HWP..... EnviroStor Permitted Facilities Listing  
 Financial Assurance..... Financial Assurance Information Listing  
 LEAD SMELTERS..... Lead Smelter Sites  
 2020 COR ACTION..... 2020 Corrective Action Program List  
 US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
 PRP..... Potentially Responsible Parties  
 WDS..... Waste Discharge System  
 EPA WATCH LIST..... EPA WATCH LIST  
 US FIN ASSUR..... Financial Assurance Information

# EXECUTIVE SUMMARY

PCB TRANSFORMER..... PCB Transformer Registration Database  
 PROC..... Certified Processors Database

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
 EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 2 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	7937 REPRESA CIR	S 1/8 - 1/4 (0.128 mi.)	1	8
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2408 MAJANO PL	SSW 1/8 - 1/4 (0.186 mi.)	2	8

## EXECUTIVE SUMMARY














Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
LA COSTA RESORT & SPA	US AIRS
LA COSTA 2 6	NPDES, ENF
LA COSTA TOWN SQUARE	NPDES
LA COSTA TOWN SQUARE	NPDES
LA COSTA OAKS NORTH NEIGHBORHOOD 3	NPDES
LA COSTA GREENS NEIGHBORHOOD 1 3	NPDES
LA COSTA GREENS NEIGH 1 06	NPDES
RANCHO SANTA FE RD LA COSTA AV	NPDES
JOHN MINICK	SWEEPS UST
SURFSIDE AUTO BODY	SWEEPS UST
CARLSBAD BURNSITE	SWF/LF
FLOWER FIELDS COMPOST SITE	SWF/LF
LA COSTA DENTAL GROUP	San Diego Co. HMMD
GENERAL ATOMIC AERONAUTIC SYSTEM	SLIC, SAN DIEGO CO. SAM
WESTERN SALT CO	US MINES
WESTERN SALT CO	US MINES
POINSETTIA PROPERTIES (AREAS 2,3 &	SAN DIEGO CO. SAM
ART WOLDENGA AND/OR JOE STIX	SAN DIEGO CO. SAM
TRANS MASTERS	SAN DIEGO CO. SAM
LEUCADIA AUTO BODY	SAN DIEGO CO. SAM

# OVERVIEW MAP - 3785462.2s

ITEM 19



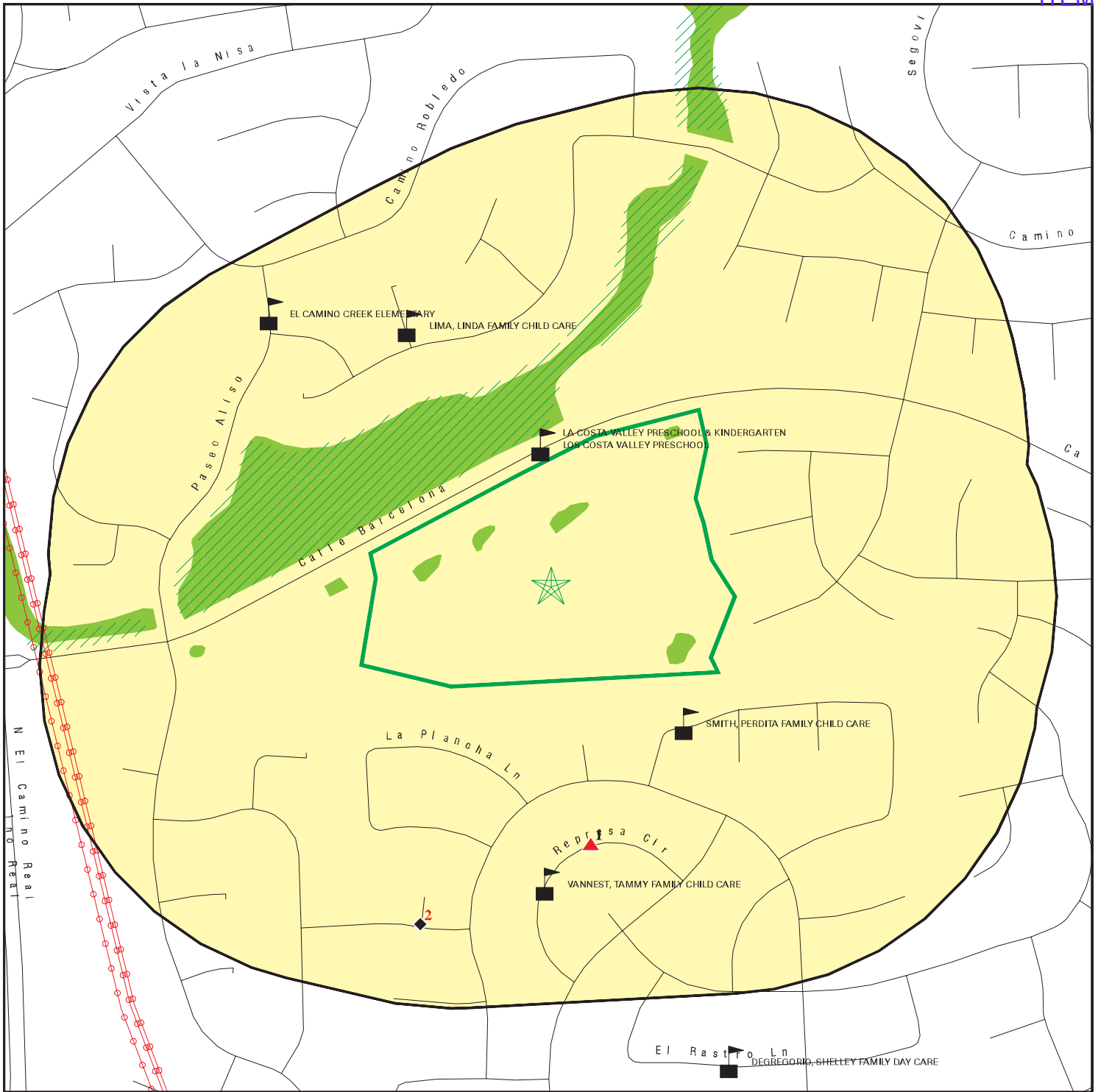
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  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:** Proposed La Costa Valley Recreational Facilities  
**ADDRESS:** 1876-1942 CALLE BARCELONA  
 Carlsbad CA 92009  
**LAT/LONG:** 33.074 / 117.2551

**CLIENT:** URS Corporation  
**CONTACT:** Massoud Karimi  
**INQUIRY #:** 3785462.2s  
**DATE:** November 14, 2013 9:12 am

# DETAIL MAP - 3785462.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  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: Proposed La Costa Valley Recreational Facilities  
 ADDRESS: 1876-1942 CALLE BARCELONA  
 Carlsbad CA 92009  
 LAT/LONG: 33.074 / 117.2551

CLIENT: URS Corporation  
 CONTACT: Massoud Karimi  
 INQUIRY #: 3785462.2s  
 DATE: November 14, 2013 9:14 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	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
SLIC	0.500		0	0	0	NR	NR	0
SAN DIEGO CO. SAM	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
San Diego Co. HMMMD	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b><i>Local Lists of Registered Storage Tanks</i></b>								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	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
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
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	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
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	2	NR	NR	NR	2

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**  
**South**  
**1/8-1/4**  
**0.128 mi.**  
**676 ft.**

**7937 REPRESA CIR**  
**CARLSBAD, CA 92009**

**EDR US Hist Cleaners**    **1015096086**  
**N/A**

**Relative:**    EDR Historical Cleaners:  
**Higher**

**Actual:**    Name:            AAA VICS CARPET CLEANING  
**209 ft.**        Year:            1999  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2006  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2007  
                  Address:        7937 REPRESA CIR

                  Name:            CARPET CLEANING BY VICS CARPET &  
                  Year:            2008  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2008  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2009  
                  Address:        7937 REPRESA CIR

**2**  
**SSW**  
**1/8-1/4**  
**0.186 mi.**  
**983 ft.**

**2408 MAJANO PL**  
**CARLSBAD, CA 92009**

**EDR US Hist Cleaners**    **1015025872**  
**N/A**

**Relative:**    EDR Historical Cleaners:  
**Lower**

**Actual:**    Name:            COAST CARPET CLEANERS  
**178 ft.**        Year:            2001  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2002  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2003  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2004  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2010  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2011

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**(Continued)**

**1015025872**

Address: 2408 MAJANO PL  
Name: DISCOUNT CARPET CLEANING  
Year: 2011  
Address: 2408 MAJANO PL  
Name: COAST CARPET CLEANERS  
Year: 2012  
Address: 2408 MAJANO PL  
Name: DISCOUNT CARPET CLEANING  
Year: 2012  
Address: 2408 MAJANO PL

Count: 20 records.

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARLSBAD	S109348913	POINSETTIA PROPERTIES (AREAS 2,3 &	AVENIDA ENCINAS @ POINSETTIA	92009	SAN DIEGO CO. SAM
CARLSBAD	S109447759	LA COSTA TOWN SQUARE	NE CNR LA COSTA AVE & RANCHO S	92009	NPDES
CARLSBAD	S109447758	LA COSTA TOWN SQUARE	LA COSTA AVE AND RANCHO SANTA	92009	NPDES
CARLSBAD	1014244120	LA COSTA RESORT & SPA	COSTA DEL MAR RD	92009	US AIRS
CARLSBAD	S109349419	CARLSBAD BURNSITE	ELM AVENUE		SWF/LF
CARLSBAD	S109447731	LA COSTA 2 6	MELROSE AVE & CONRINTA ST	92009	NPDES, ENF
CARLSBAD	S109447749	LA COSTA OAKS NORTH NEIGHBORHOOD 3	SE OF RHO SANTA FE RD & AVENID	92009	NPDES
CARLSBAD	S109447745	LA COSTA GREENS NEIGHBORHOOD 1 3	SE OF CAMINO VIDA ROBLE & EL C	92009	NPDES
CARLSBAD	S105155625	FLOWER FIELDS COMPOST SITE	WEST OF HIDDEN VALLEY ROAD		SWF/LF
CARLSBAD	S109447737	LA COSTA GREENS NEIGH 1 06	SO PALOMAR AIRPORT RD & E ALIC		NPDES
CARLSBAD	S109455414	RANCHO SANTA FE RD LA COSTA AV	RANCHO SANTA FE RD LA COSTA AV	92009	NPDES
ENCINITAS	S106927913	JOHN MINICK	434 HIGHWAY 101	92024	SWEEPS UST
ENCINITAS	S106068269	LA COSTA DENTAL GROUP	501 EL CAMINO REAL	92024	San Diego Co. HMMD
ENCINITAS	S106916363	ART WOLDENGA AND/OR JOE STIX	1508 N HY 101	92024	SAN DIEGO CO. SAM
ENCINITAS	S106916079	TRANS MASTERS	184 N HY 101	92024	SAN DIEGO CO. SAM
ENCINITAS	S106916039	LEUCADIA AUTO BODY	1508 N HY 101	92024	SAN DIEGO CO. SAM
ENCINITAS	S109118204	GENERAL ATOMIC AERONAUTIC SYSTEM	16761 VIA DEL CAMPO	92024	SLIC, SAN DIEGO CO. SAM
LEUCADIA	S106932710	SURFSIDE AUTO BODY	1508 N HIGHWAY 101	92024	SWEEPS UST
SAN DIEGO COUNTY	M300002765	WESTERN SALT CO	CHULA VISTA PLANT		US MINES
SAN DIEGO COUNTY	M300002489	WESTERN SALT CO	CHULA VISTA PLANT		US MINES

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

**STANDARD ENVIRONMENTAL RECORDS*****Federal NPL site list*****NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**NPL Site Boundaries****Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

**Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING*****Federal Delisted NPL site list*****DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

***Federal CERCLIS list*****CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

**FEDERAL FACILITY: Federal Facility Site Information listing**

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Varies

***Federal CERCLIS NFRAP site List*****CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

***Federal RCRA CORRACTS facilities list*****CORRACTS: Corrective Action Report**

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: EPA  
 Telephone: 800-424-9346  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

***Federal RCRA non-CORRACTS TSD facilities list*****RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

***Federal RCRA generators list*****RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING*****Federal institutional controls / engineering controls registries*****US ENG CONTROLS: Engineering Controls Sites List**

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**US INST CONTROL: Sites with Institutional Controls**

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**LUCIS: Land Use Control Information System**

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013	Source: Department of the Navy
Date Data Arrived at EDR: 08/23/2013	Telephone: 843-820-7326
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 08/15/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

***Federal ERNS list*****ERNS: Emergency Response Notification System**

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

***State- and tribal - equivalent NPL*****RESPONSE: State Response Sites**

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 09/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/06/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Quarterly

***State- and tribal - equivalent CERCLIS***

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****ENVIROSTOR: EnviroStor Database**

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 09/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/06/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Quarterly

**State and tribal landfill and/or solid waste disposal site lists****SWF/LF (SWIS): Solid Waste Information System**

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/19/2013	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 08/19/2013	Telephone: 916-341-6320
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 08/19/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

**State and tribal leaking storage tank lists****LUST REG 4: Underground Storage Tank Leak List**

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

**LUST REG 3: Leaking Underground Storage Tank Database**

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

**LUST REG 2: Fuel Leak List**

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****LUST REG 6L: Leaking Underground Storage Tank Case Listing**

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

**LUST: Geotracker's Leaking Underground Fuel Tank Report**

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 09/16/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2013	Telephone: see region list
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

**LUST REG 9: Leaking Underground Storage Tank Report**

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

**LUST REG 6V: Leaking Underground Storage Tank Case Listing**

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

**LUST REG 5: Leaking Underground Storage Tank Database**

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

**LUST REG 8: Leaking Underground Storage Tanks**

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****LUST REG 7: Leaking Underground Storage Tank Case Listing**

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

**LUST REG 1: Active Toxic Site Investigation**

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

**SLIC: Statewide SLIC Cases**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/16/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2013	Telephone: 866-480-1028
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Varies

**SLIC REG 1: Active Toxic Site Investigations**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

**SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

**SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

**SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

**SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

**SLIC REG 6L: SLIC Sites**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

**SLIC REG 7: SLIC List**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

**SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

**INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013  
Date Data Arrived at EDR: 08/27/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 66

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

**INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land**

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/20/2013  
Date Data Arrived at EDR: 08/23/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 70

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

**INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/29/2013  
Date Data Arrived at EDR: 07/30/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 94

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Quarterly

**INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013  
Date Data Arrived at EDR: 03/01/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 42

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Quarterly

**INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012  
Date Data Arrived at EDR: 08/28/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 49

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Quarterly

**INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011  
Date Data Arrived at EDR: 09/13/2011  
Date Made Active in Reports: 11/11/2011  
Number of Days to Update: 59

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/01/2013	Source: EPA Region 4
Date Data Arrived at EDR: 08/02/2013	Telephone: 404-562-8677
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 11/01/2013
Number of Days to Update: 184	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**State and tribal registered storage tank lists**

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/16/2013	Source: SWRCB
Date Data Arrived at EDR: 09/17/2013	Telephone: 916-341-5851
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 10/07/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 07/29/2013	Source: EPA Region 8
Date Data Arrived at EDR: 08/01/2013	Telephone: 303-312-6137
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 92	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

**INDIAN UST R7: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**INDIAN UST R6: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

**INDIAN UST R5: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013	Source: EPA Region 5
Date Data Arrived at EDR: 08/23/2013	Telephone: 312-886-6136
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**INDIAN UST R4: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 08/01/2013	Source: EPA Region 4
Date Data Arrived at EDR: 08/02/2013	Telephone: 404-562-9424
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

**INDIAN UST R1: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 11/01/2014
Number of Days to Update: 156	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**FEMA UST: Underground Storage Tank Listing**

A listing of all FEMA owned underground storage tanks.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 01/01/2010  
 Date Data Arrived at EDR: 02/16/2010  
 Date Made Active in Reports: 04/12/2010  
 Number of Days to Update: 55

Source: FEMA  
 Telephone: 202-646-5797  
 Last EDR Contact: 10/17/2013  
 Next Scheduled EDR Contact: 01/27/2014  
 Data Release Frequency: Varies

**State and tribal voluntary cleanup sites****INDIAN VCP R7: Voluntary Cleanup Priority Listing**

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
 Date Data Arrived at EDR: 04/22/2008  
 Date Made Active in Reports: 05/19/2008  
 Number of Days to Update: 27

Source: EPA, Region 7  
 Telephone: 913-551-7365  
 Last EDR Contact: 04/20/2009  
 Next Scheduled EDR Contact: 07/20/2009  
 Data Release Frequency: Varies

**VCP: Voluntary Cleanup Program Properties**

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 09/05/2013  
 Date Data Arrived at EDR: 09/05/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 35

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 11/06/2013  
 Next Scheduled EDR Contact: 02/17/2014  
 Data Release Frequency: Quarterly

**INDIAN VCP R1: Voluntary Cleanup Priority Listing**

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012  
 Date Data Arrived at EDR: 10/02/2012  
 Date Made Active in Reports: 10/16/2012  
 Number of Days to Update: 14

Source: EPA, Region 1  
 Telephone: 617-918-1102  
 Last EDR Contact: 10/01/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Varies

**ADDITIONAL ENVIRONMENTAL RECORDS****Local Brownfield lists****US BROWNFIELDS: A Listing of Brownfields Sites**

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013  
 Date Data Arrived at EDR: 06/25/2013  
 Date Made Active in Reports: 08/09/2013  
 Number of Days to Update: 45

Source: Environmental Protection Agency  
 Telephone: 202-566-2777  
 Last EDR Contact: 09/24/2013  
 Next Scheduled EDR Contact: 01/08/2014  
 Data Release Frequency: Semi-Annually

**Local Lists of Landfill / Solid Waste Disposal Sites**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****ODI: Open Dump Inventory**

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: No Update Planned

**WMUDS/SWAT: Waste Management Unit Database**

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000  
Date Data Arrived at EDR: 04/10/2000  
Date Made Active in Reports: 05/10/2000  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 11/08/2013  
Next Scheduled EDR Contact: 02/24/2014  
Data Release Frequency: No Update Planned

**SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 09/16/2013  
Date Data Arrived at EDR: 09/19/2013  
Date Made Active in Reports: 10/17/2013  
Number of Days to Update: 28

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Quarterly

**HAULERS: Registered Waste Tire Haulers Listing**

A listing of registered waste tire haulers.

Date of Government Version: 04/26/2013  
Date Data Arrived at EDR: 04/26/2013  
Date Made Active in Reports: 05/16/2013  
Number of Days to Update: 20

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 10/01/2013  
Next Scheduled EDR Contact: 12/02/2013  
Data Release Frequency: Varies

**INDIAN ODI: Report on the Status of Open Dumps on Indian Lands**

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Local Lists of Hazardous waste / Contaminated Sites****US CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/11/2013	Telephone: 202-307-1000
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/04/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Quarterly

**HIST CAL-SITES: Calsites Database**

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

**SCH: School Property Evaluation Program**

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 09/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/06/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Quarterly

**TOXIC PITS: Toxic Pits Cleanup Act Sites**

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

**CDL: Clandestine Drug Labs**

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/03/2013	Telephone: 916-255-6504
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 09/03/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

**Local Lists of Registered Storage Tanks****CA FID UST: Facility Inventory Database**

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**UST MENDOCINO: Mendocino County UST Database**

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 09/03/2013
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Annually

**HIST UST: Hazardous Substance Storage Container Database**

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**SWEEPS UST: SWEEPS UST Listing**

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**Local Land Records****LIENS 2: CERCLA Lien Information**

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 02/06/2013  
Date Data Arrived at EDR: 04/25/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 11/13/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

**LIENS: Environmental Liens Listing**

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/14/2013  
Date Data Arrived at EDR: 06/17/2013  
Date Made Active in Reports: 08/21/2013  
Number of Days to Update: 65

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 09/23/2013  
Next Scheduled EDR Contact: 12/23/2013  
Data Release Frequency: Varies

**DEED: Deed Restriction Listing**

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/11/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/13/2013  
Next Scheduled EDR Contact: 12/23/2013  
Data Release Frequency: Semi-Annually

**Records of Emergency Release Reports****HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 55

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 10/01/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Annually

**CHMIRS: California Hazardous Material Incident Report System**

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/12/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 06/25/2013  
Number of Days to Update: 55

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 10/30/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

**LDS: Land Disposal Sites Listing**

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 09/16/2013  
Date Data Arrived at EDR: 09/17/2013  
Date Made Active in Reports: 10/16/2013  
Number of Days to Update: 29

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 10/17/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****MCS: Military Cleanup Sites Listing**

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 09/16/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2013	Telephone: 866-480-1028
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

**SPILLS 90: SPILLS90 data from FirstSearch**

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**Other Ascertainable Records****RCRA NonGen / NLR: RCRA - Non Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/11/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/08/2013	Telephone: (415) 495-8895
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 10/02/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**DOT OPS: Incident and Accident Data**

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 11/06/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Varies

**DOD: Department of Defense Sites**

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**FUDS: Formerly Used Defense Sites**

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**CONSENT: Superfund (CERCLA) Consent Decrees**

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 08/07/2013	Telephone: Varies
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**ROD: Records Of Decision**

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 06/11/2013	Telephone: 703-416-0223
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 143	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Annually

**UMTRA: Uranium Mill Tailings Sites**

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

**US MINES: Mines Master Index File**

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/05/2013	Telephone: 303-231-5959
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/05/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Semi-Annually

**TRIS: Toxic Chemical Release Inventory System**

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/30/2013
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Annually

**TSCA: Toxic Substances Control Act**

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2006  
 Date Data Arrived at EDR: 09/29/2010  
 Date Made Active in Reports: 12/02/2010  
 Number of Days to Update: 64

Source: EPA  
 Telephone: 202-260-5521  
 Last EDR Contact: 09/24/2013  
 Next Scheduled EDR Contact: 01/08/2014  
 Data Release Frequency: Every 4 Years

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
 FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
 Date Data Arrived at EDR: 04/16/2009  
 Date Made Active in Reports: 05/11/2009  
 Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
 Telephone: 202-566-1667  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
 A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
 Date Data Arrived at EDR: 04/16/2009  
 Date Made Active in Reports: 05/11/2009  
 Number of Days to Update: 25

Source: EPA  
 Telephone: 202-566-1667  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Quarterly

**HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
 Date Data Arrived at EDR: 03/01/2007  
 Date Made Active in Reports: 04/10/2007  
 Number of Days to Update: 40

Source: Environmental Protection Agency  
 Telephone: 202-564-2501  
 Last EDR Contact: 12/17/2007  
 Next Scheduled EDR Contact: 03/17/2008  
 Data Release Frequency: No Update Planned

**HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing**

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
 Date Data Arrived at EDR: 03/01/2007  
 Date Made Active in Reports: 04/10/2007  
 Number of Days to Update: 40

Source: Environmental Protection Agency  
 Telephone: 202-564-2501  
 Last EDR Contact: 12/17/2008  
 Next Scheduled EDR Contact: 03/17/2008  
 Data Release Frequency: No Update Planned

**SSTS: Section 7 Tracking Systems**

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Annually

**ICIS: Integrated Compliance Information System**

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/09/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Quarterly

**PADS: PCB Activity Database System**

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013	Source: EPA
Date Data Arrived at EDR: 07/17/2013	Telephone: 202-566-0500
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/18/2013
Number of Days to Update: 107	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Annually

**MLTS: Material Licensing Tracking System**

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/02/2013	Telephone: 301-415-7169
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

**RADINFO: Radiation Information Database**

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2013	Telephone: 202-343-9775
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**FINDS: Facility Index System/Facility Registry System**

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (415) 947-8000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 09/11/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****RAATS: RCRA Administrative Action Tracking System**

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

**RMP: Risk Management Plans**

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 10/28/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**BRS: Biennial Reporting System**

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 08/26/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Biennially

**CA BOND EXP. PLAN: Bond Expenditure Plan**

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**NPDES: NPDES Permits Listing**

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/19/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/19/2013	Telephone: 916-445-9379
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 08/19/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****UIC: UIC Listing**

A listing of underground control injection wells.

Date of Government Version: 08/21/2013	Source: Department of Conservation
Date Data Arrived at EDR: 09/17/2013	Telephone: 916-445-2408
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 09/17/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Varies

**CORTESE: "Cortese" Hazardous Waste & Substances Sites List**

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 07/05/2013	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 07/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Quarterly

**HIST CORTESE: Hazardous Waste & Substance Site List**

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**NOTIFY 65: Proposition 65 Records**

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 09/23/2013
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: No Update Planned

**DRYCLEANERS: Cleaner Facilities**

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/10/2013	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/11/2013	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Annually

**WIP: Well Investigation Program Case List**

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/30/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****ENF: Enforcement Action Listing**

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/09/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/13/2013	Telephone: 916-445-9379
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 11/08/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**HAZNET: Facility and Manifest Data**

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-255-1136
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 10/15/2013
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Annually

**EMI: Emissions Inventory Data**

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2010	Source: California Air Resources Board
Date Data Arrived at EDR: 06/25/2013	Telephone: 916-322-2990
Date Made Active in Reports: 08/22/2013	Last EDR Contact: 09/27/2013
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Varies

**INDIAN RESERV: Indian Reservations**

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing**

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 10/21/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

**US FIN ASSUR: Financial Assurance Information**

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/15/2013	Telephone: 202-566-1917
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/27/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****PCB TRANSFORMER: PCB Transformer Registration Database**

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 11/01/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**PROC: Certified Processors Database**

A listing of certified processors.

Date of Government Version: 09/16/2013	Source: Department of Conservation
Date Data Arrived at EDR: 09/19/2013	Telephone: 916-323-3836
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 09/16/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

**MWMP: Medical Waste Management Program Listing**

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/29/2013	Source: Department of Public Health
Date Data Arrived at EDR: 09/13/2013	Telephone: 916-558-1784
Date Made Active in Reports: 10/14/2013	Last EDR Contact: 09/11/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**COAL ASH DOE: Sleam-Electric Plan Operation Data**

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/15/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Varies

**COAL ASH EPA: Coal Combustion Residues Surface Impoundments List**

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/13/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**HWT: Registered Hazardous Waste Transporter Database**

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/15/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-440-7145
Date Made Active in Reports: 08/12/2013	Last EDR Contact: 10/15/2013
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Quarterly

**HWP: EnviroStor Permitted Facilities Listing**

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 08/28/2013  
 Date Data Arrived at EDR: 08/27/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 44

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 08/27/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Quarterly

**Financial Assurance 2: Financial Assurance Information Listing**

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/12/2013  
 Date Data Arrived at EDR: 08/20/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 49

Source: California Integrated Waste Management Board  
 Telephone: 916-341-6066  
 Last EDR Contact: 08/15/2013  
 Next Scheduled EDR Contact: 12/02/2013  
 Data Release Frequency: Varies

**Financial Assurance 1: Financial Assurance Information Listing**

Financial Assurance information

Date of Government Version: 06/30/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 08/27/2013  
 Number of Days to Update: 19

Source: Department of Toxic Substances Control  
 Telephone: 916-255-3628  
 Last EDR Contact: 10/25/2013  
 Next Scheduled EDR Contact: 02/11/2014  
 Data Release Frequency: Varies

**LEAD SMELTER 1: Lead Smelter Sites**

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013  
 Date Data Arrived at EDR: 02/14/2013  
 Date Made Active in Reports: 02/27/2013  
 Number of Days to Update: 13

Source: Environmental Protection Agency  
 Telephone: 703-603-8787  
 Last EDR Contact: 09/24/2013  
 Next Scheduled EDR Contact: 01/20/2014  
 Data Release Frequency: Varies

**LEAD SMELTER 2: Lead Smelter Sites**

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
 Date Data Arrived at EDR: 10/27/2010  
 Date Made Active in Reports: 12/02/2010  
 Number of Days to Update: 36

Source: American Journal of Public Health  
 Telephone: 703-305-6451  
 Last EDR Contact: 12/02/2009  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**2020 COR ACTION: 2020 Corrective Action Program List**

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011  
 Date Data Arrived at EDR: 05/18/2012  
 Date Made Active in Reports: 05/25/2012  
 Number of Days to Update: 7

Source: Environmental Protection Agency  
 Telephone: 703-308-4044  
 Last EDR Contact: 08/16/2013  
 Next Scheduled EDR Contact: 11/25/2013  
 Data Release Frequency: Varies

**FEDLAND: Federal and Indian Lands**

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: N/A

**PRP: Potentially Responsible Parties**

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013	Source: EPA
Date Data Arrived at EDR: 07/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 10/04/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Quarterly

**WDS: Waste Discharge System**

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 08/22/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

**US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)**

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

**US AIRS MINOR: Air Facility System Data**

A listing of minor source facilities.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

**EPA WATCH LIST: EPA WATCH LIST**

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2013	Telephone: 617-520-3000
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/07/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 11/25/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****EDR HIGH RISK HISTORICAL RECORDS*****EDR Exclusive Records*****EDR MGP: EDR Proprietary Manufactured Gas Plants**

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations**

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

**EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners**

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

**EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole**

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## COUNTY RECORDS

ALAMEDA COUNTY:

### Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/25/2013	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/26/2013	Telephone: 510-567-6700
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Semi-Annually

### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2013	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/26/2013	Telephone: 510-567-6700
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

### CUPA Facility List

Cupa Facility List

Date of Government Version: 06/20/2013	Source: Amador County Environmental Health
Date Data Arrived at EDR: 06/21/2013	Telephone: 209-223-6439
Date Made Active in Reports: 08/21/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

BUTTE COUNTY:

### CUPA Facility Listing

Cupa facility list.

Date of Government Version: 08/01/2013	Source: Public Health Department
Date Data Arrived at EDR: 08/02/2013	Telephone: 530-538-7149
Date Made Active in Reports: 08/22/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: No Update Planned

CALVERAS COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility Listing

### Cupa Facility Listing

Date of Government Version: 06/30/2013  
Date Data Arrived at EDR: 07/24/2013  
Date Made Active in Reports: 08/09/2013  
Number of Days to Update: 16

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 09/30/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List

#### Cupa facility list.

Date of Government Version: 06/20/2013  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 08/09/2013  
Number of Days to Update: 39

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 10/04/2013  
Next Scheduled EDR Contact: 11/25/2013  
Data Release Frequency: Varies

## CONTRA COSTA COUNTY:

### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2013  
Date Data Arrived at EDR: 08/23/2013  
Date Made Active in Reports: 10/08/2013  
Number of Days to Update: 46

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List

#### Cupa Facility list

Date of Government Version: 01/09/2013  
Date Data Arrived at EDR: 01/10/2013  
Date Made Active in Reports: 02/25/2013  
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List

#### CUPA facility list.

Date of Government Version: 08/20/2013  
Date Data Arrived at EDR: 08/23/2013  
Date Made Active in Reports: 10/08/2013  
Number of Days to Update: 46

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Varies

## FRESNO COUNTY:

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

## CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2013  
Date Data Arrived at EDR: 07/16/2013  
Date Made Active in Reports: 07/24/2013  
Number of Days to Update: 8

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 10/09/2013  
Next Scheduled EDR Contact: 01/27/2014  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

## CUPA Facility List

CUPA facility list.

Date of Government Version: 08/09/2013  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 08/22/2013  
Number of Days to Update: 13

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 08/09/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

## CUPA Facility List

Cupa facility list.

Date of Government Version: 07/26/2013  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 08/22/2013  
Number of Days to Update: 13

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

## INYO COUNTY:

## CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 09/10/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## KERN COUNTY:

## Underground Storage Tank Sites &amp; Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010  
Date Data Arrived at EDR: 09/01/2010  
Date Made Active in Reports: 09/30/2010  
Number of Days to Update: 29

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 11/08/2013  
Next Scheduled EDR Contact: 02/24/2014  
Data Release Frequency: Quarterly

## KINGS COUNTY:

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****CUPA Facility List**

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/22/2013	Source: Kings County Department of Public Health
Date Data Arrived at EDR: 08/27/2013	Telephone: 559-584-1411
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 08/22/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Varies

**LAKE COUNTY:****CUPA Facility List**

Cupa facility list

Date of Government Version: 01/23/2013	Source: Lake County Environmental Health
Date Data Arrived at EDR: 01/25/2013	Telephone: 707-263-1164
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

**LOS ANGELES COUNTY:****San Gabriel Valley Areas of Concern**

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009	Source: EPA Region 9
Date Data Arrived at EDR: 03/31/2009	Telephone: 415-972-3178
Date Made Active in Reports: 10/23/2009	Last EDR Contact: 09/23/2013
Number of Days to Update: 206	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: No Update Planned

**HMS: Street Number List**

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/28/2013	Source: Department of Public Works
Date Data Arrived at EDR: 06/17/2013	Telephone: 626-458-3517
Date Made Active in Reports: 08/21/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**List of Solid Waste Facilities**

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/22/2013	Source: La County Department of Public Works
Date Data Arrived at EDR: 07/22/2013	Telephone: 818-458-5185
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 10/22/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

**City of Los Angeles Landfills**

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/10/2009	Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 07/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/04/2013
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Site Mitigation List**

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2013	Source: Community Health Services
Date Data Arrived at EDR: 02/21/2013	Telephone: 323-890-7806
Date Made Active in Reports: 03/25/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Annually

**City of El Segundo Underground Storage Tank**

Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/31/2013	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 08/01/2013	Telephone: 310-524-2236
Date Made Active in Reports: 08/27/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Semi-Annually

**City of Long Beach Underground Storage Tank**

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 10/28/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Annually

**City of Torrance Underground Storage Tank**

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/15/2013	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/18/2013	Telephone: 310-618-2973
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**MADERA COUNTY:****CUPA Facility List**

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/20/2013	Source: Madera County Environmental Health
Date Data Arrived at EDR: 09/24/2013	Telephone: 559-675-7823
Date Made Active in Reports: 10/18/2013	Last EDR Contact: 08/22/2013
Number of Days to Update: 24	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Varies

**MARIN COUNTY:****Underground Storage Tank Sites**

Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 11/28/2012	Telephone: 415-499-6647
Date Made Active in Reports: 01/21/2013	Last EDR Contact: 10/07/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Semi-Annually

**MERCED COUNTY:**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility list.

Date of Government Version: 08/23/2013  
Date Data Arrived at EDR: 08/27/2013  
Date Made Active in Reports: 10/08/2013  
Number of Days to Update: 42

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 08/22/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 09/04/2013  
Date Data Arrived at EDR: 09/05/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 39

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/11/2013  
Date Data Arrived at EDR: 09/12/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 32

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 08/22/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## NAPA COUNTY:

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011  
Date Data Arrived at EDR: 12/06/2011  
Date Made Active in Reports: 02/07/2012  
Number of Days to Update: 63

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: No Update Planned

### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/16/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 05/29/2013  
 Date Data Arrived at EDR: 05/30/2013  
 Date Made Active in Reports: 07/15/2013  
 Number of Days to Update: 46

Source: Community Development Agency  
 Telephone: 530-265-1467  
 Last EDR Contact: 11/04/2013  
 Next Scheduled EDR Contact: 02/17/2014  
 Data Release Frequency: Varies

**ORANGE COUNTY:****List of Industrial Site Cleanups**

Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2013  
 Date Data Arrived at EDR: 08/13/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 56

Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Annually

**List of Underground Storage Tank Cleanups**

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/01/2013  
 Date Data Arrived at EDR: 08/13/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 56

Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**List of Underground Storage Tank Facilities**

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2013  
 Date Data Arrived at EDR: 08/13/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 56

Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**PLACER COUNTY:****Master List of Facilities**

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/22/2013  
 Date Data Arrived at EDR: 08/22/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 49

Source: Placer County Health and Human Services  
 Telephone: 530-745-2363  
 Last EDR Contact: 08/20/2013  
 Next Scheduled EDR Contact: 12/23/2013  
 Data Release Frequency: Semi-Annually

**RIVERSIDE COUNTY:****Listing of Underground Tank Cleanup Sites**

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/18/2013  
 Date Data Arrived at EDR: 07/18/2013  
 Date Made Active in Reports: 07/24/2013  
 Number of Days to Update: 6

Source: Department of Environmental Health  
 Telephone: 951-358-5055  
 Last EDR Contact: 09/23/2013  
 Next Scheduled EDR Contact: 01/08/2014  
 Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Underground Storage Tank Tank List**

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2013	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/18/2013	Telephone: 951-358-5055
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 09/23/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Quarterly

**SACRAMENTO COUNTY:****Toxic Site Clean-Up List**

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/03/2013	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/08/2013	Telephone: 916-875-8406
Date Made Active in Reports: 07/24/2013	Last EDR Contact: 10/07/2013
Number of Days to Update: 16	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**Master Hazardous Materials Facility List**

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/03/2013	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/08/2013	Telephone: 916-875-8406
Date Made Active in Reports: 08/23/2013	Last EDR Contact: 10/07/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**SAN BERNARDINO COUNTY:****Hazardous Material Permits**

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/03/2013	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 09/03/2013	Telephone: 909-387-3041
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/08/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/24/2014
	Data Release Frequency: Quarterly

**SAN DIEGO COUNTY:****Hazardous Materials Management Division Database**

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/24/2013	Telephone: 619-338-2268
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 09/23/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Solid Waste Facilities**

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012  
 Date Data Arrived at EDR: 11/06/2012  
 Date Made Active in Reports: 11/30/2012  
 Number of Days to Update: 24

Source: Department of Health Services  
 Telephone: 619-338-2209  
 Last EDR Contact: 10/28/2013  
 Next Scheduled EDR Contact: 02/11/2014  
 Data Release Frequency: Varies

**Environmental Case Listing**

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
 Date Data Arrived at EDR: 06/15/2010  
 Date Made Active in Reports: 07/09/2010  
 Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
 Telephone: 619-338-2371  
 Last EDR Contact: 09/10/2013  
 Next Scheduled EDR Contact: 12/23/2013  
 Data Release Frequency: No Update Planned

**SAN FRANCISCO COUNTY:****Local Oversight Facilities**

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
 Date Data Arrived at EDR: 09/19/2008  
 Date Made Active in Reports: 09/29/2008  
 Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
 Telephone: 415-252-3920  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**Underground Storage Tank Information**

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010  
 Date Data Arrived at EDR: 03/10/2011  
 Date Made Active in Reports: 03/15/2011  
 Number of Days to Update: 5

Source: Department of Public Health  
 Telephone: 415-252-3920  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**SAN JOAQUIN COUNTY:****San Joaquin Co. UST**

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/25/2013  
 Date Data Arrived at EDR: 09/27/2013  
 Date Made Active in Reports: 10/18/2013  
 Number of Days to Update: 21

Source: Environmental Health Department  
 Telephone: N/A  
 Last EDR Contact: 09/23/2013  
 Next Scheduled EDR Contact: 01/08/2014  
 Data Release Frequency: Semi-Annually

**SAN LUIS OBISPO COUNTY:****CUPA Facility List**

Cupa Facility List.

Date of Government Version: 08/26/2013  
 Date Data Arrived at EDR: 08/27/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 44

Source: San Luis Obispo County Public Health Department  
 Telephone: 805-781-5596  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Varies

**SAN MATEO COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Business Inventory**

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/02/2013  
Date Data Arrived at EDR: 07/05/2013  
Date Made Active in Reports: 08/23/2013  
Number of Days to Update: 49

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/13/2013  
Next Scheduled EDR Contact: 09/30/2013  
Data Release Frequency: Annually

**Fuel Leak List**

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/16/2013  
Date Data Arrived at EDR: 09/17/2013  
Date Made Active in Reports: 10/16/2013  
Number of Days to Update: 29

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Semi-Annually

**SANTA BARBARA COUNTY:****CUPA Facility Listing**

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 09/23/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

**SANTA CLARA COUNTY:****Cupa Facility List**

Cupa facility list

Date of Government Version: 09/03/2013  
Date Data Arrived at EDR: 09/04/2013  
Date Made Active in Reports: 10/10/2013  
Number of Days to Update: 36

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: Varies

**HIST LUST - Fuel Leak Site Activity Report**

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

**LOP Listing**

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/03/2013  
Date Data Arrived at EDR: 09/06/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 38

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/14/2013  
Date Data Arrived at EDR: 08/16/2013  
Date Made Active in Reports: 10/08/2013  
Number of Days to Update: 53

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 11/08/2013  
Next Scheduled EDR Contact: 02/24/2014  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 08/22/2013  
Date Data Arrived at EDR: 08/27/2013  
Date Made Active in Reports: 10/10/2013  
Number of Days to Update: 44

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 08/22/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 09/09/2013  
Date Data Arrived at EDR: 09/10/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 34

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 08/22/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/18/2013  
Date Data Arrived at EDR: 09/20/2013  
Date Made Active in Reports: 10/17/2013  
Number of Days to Update: 27

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/18/2013  
Date Data Arrived at EDR: 09/24/2013  
Date Made Active in Reports: 10/18/2013  
Number of Days to Update: 24

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 07/05/2013  
 Date Data Arrived at EDR: 07/05/2013  
 Date Made Active in Reports: 08/21/2013  
 Number of Days to Update: 47

Source: County of Sonoma Fire & Emergency Services Department  
 Telephone: 707-565-1174  
 Last EDR Contact: 09/30/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Varies

**Leaking Underground Storage Tank Sites**

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/02/2013  
 Date Data Arrived at EDR: 07/05/2013  
 Date Made Active in Reports: 08/12/2013  
 Number of Days to Update: 38

Source: Department of Health Services  
 Telephone: 707-565-6565  
 Last EDR Contact: 09/30/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**SUTTER COUNTY:****Underground Storage Tanks**

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/10/2013  
 Date Data Arrived at EDR: 09/11/2013  
 Date Made Active in Reports: 10/14/2013  
 Number of Days to Update: 33

Source: Sutter County Department of Agriculture  
 Telephone: 530-822-7500  
 Last EDR Contact: 09/10/2013  
 Next Scheduled EDR Contact: 12/23/2013  
 Data Release Frequency: Semi-Annually

**TUOLUMNE COUNTY:****CUPA Facility List**

Cupa facility list

Date of Government Version: 01/14/2013  
 Date Data Arrived at EDR: 01/16/2013  
 Date Made Active in Reports: 02/27/2013  
 Number of Days to Update: 42

Source: Division of Environmental Health  
 Telephone: 209-533-5633  
 Last EDR Contact: 10/28/2013  
 Next Scheduled EDR Contact: 02/11/2014  
 Data Release Frequency: Varies

**VENTURA COUNTY:****Business Plan, Hazardous Waste Producers, and Operating Underground Tanks**

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 08/19/2013  
 Date Data Arrived at EDR: 08/27/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 44

Source: Ventura County Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 08/19/2013  
 Next Scheduled EDR Contact: 12/02/2013  
 Data Release Frequency: Quarterly

**Inventory of Illegal Abandoned and Inactive Sites**

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
 Date Data Arrived at EDR: 12/01/2011  
 Date Made Active in Reports: 01/19/2012  
 Number of Days to Update: 49

Source: Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 10/07/2013  
 Next Scheduled EDR Contact: 01/20/2014  
 Data Release Frequency: Annually

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

## Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 08/19/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

## Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/28/2013	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 06/24/2013	Telephone: 805-654-2813
Date Made Active in Reports: 08/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

## Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/29/2013	Source: Environmental Health Division
Date Data Arrived at EDR: 09/18/2013	Telephone: 805-654-2813
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 09/16/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

## YOLO COUNTY:

## Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/24/2013	Source: Yolo County Department of Health
Date Data Arrived at EDR: 06/26/2013	Telephone: 530-666-8646
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 09/23/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Annually

## YUBA COUNTY:

## CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/01/2013	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 08/05/2013	Telephone: 530-749-7523
Date Made Active in Reports: 08/22/2013	Last EDR Contact: 11/04/2013
Number of Days to Update: 17	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****CT MANIFEST: Hazardous Waste Manifest Data**

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/19/2013  
Next Scheduled EDR Contact: 12/02/2013  
Data Release Frequency: Annually

**NJ MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/18/2013  
Next Scheduled EDR Contact: 01/27/2014  
Data Release Frequency: Annually

**NY MANIFEST: Facility and Manifest Data**

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 08/07/2013  
Date Made Active in Reports: 09/10/2013  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/07/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Annually

**PA MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 07/24/2013  
Date Made Active in Reports: 08/19/2013  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/21/2013  
Next Scheduled EDR Contact: 02/03/2014  
Data Release Frequency: Annually

**RI MANIFEST: Manifest information**

Hazardous waste manifest information

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 06/21/2013  
Date Made Active in Reports: 08/05/2013  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/23/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Annually

**WI MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 09/27/2013  
Number of Days to Update: 49

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

**Electric Power Transmission Line Data**

Source: Rextag Strategies Corp.  
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

**AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

**Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

**Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

**Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

**Daycare Centers: Licensed Facilities**

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

**Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

**STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

PROPOSED LA COSTA VALLEY RECREATIONAL FACILITIES  
1876-1942 CALLE BARCELONA  
CARLSBAD, CA 92009

### TARGET PROPERTY COORDINATES

Latitude (North): 33.074 - 33° 4' 26.40"  
Longitude (West): 117.2551 - 117° 15' 18.36"  
Universal Tranverse Mercator: Zone 11  
UTM X (Meters): 476189.0  
UTM Y (Meters): 3659328.2  
Elevation: 182 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 33117-A3 ENCINITAS, CA  
Most Recent Revision: 1975  
  
East Map: 33117-A2 RANCHO SANTA FE, CA  
Most Recent Revision: 1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

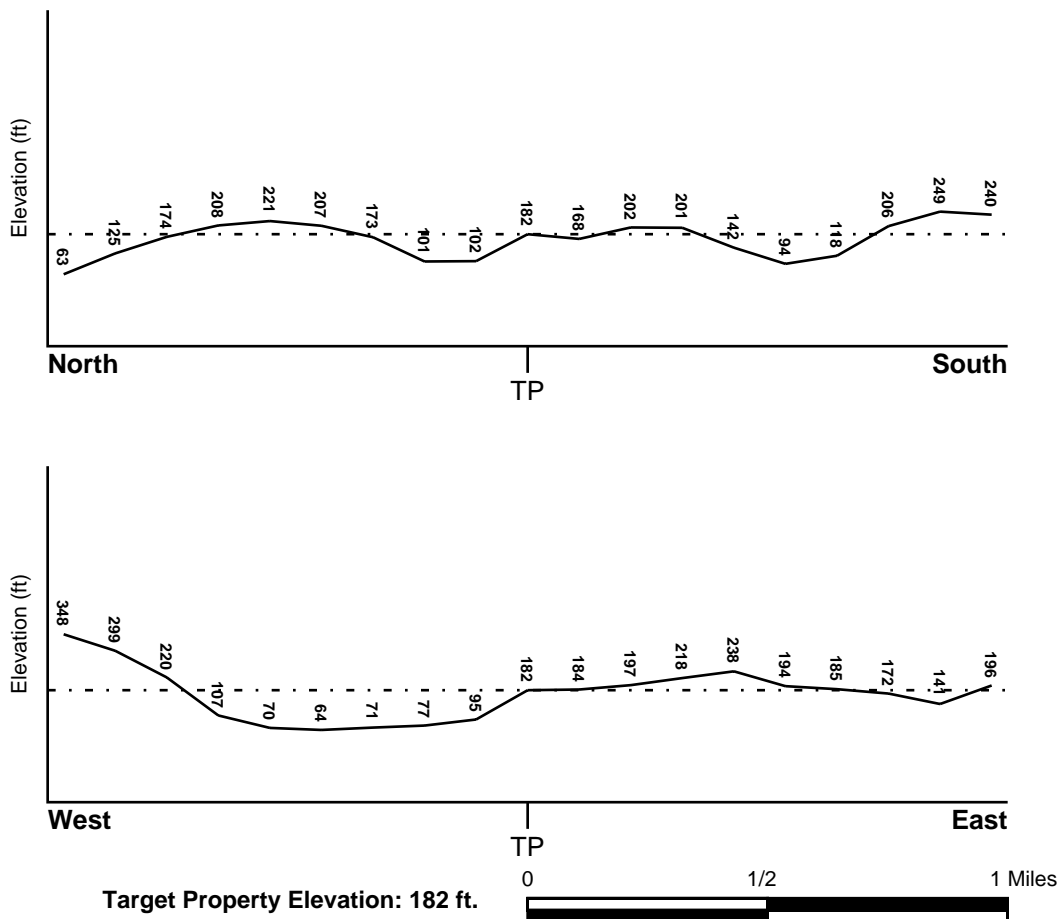
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

<u>Target Property County</u> SAN DIEGO, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06073C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ENCINITAS	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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### 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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

\* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## 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: Lower Jurassic and Upper Triassic  
Series: Lower Mesozoic  
Code: IMze (*decoded above as Era, System & Series*)

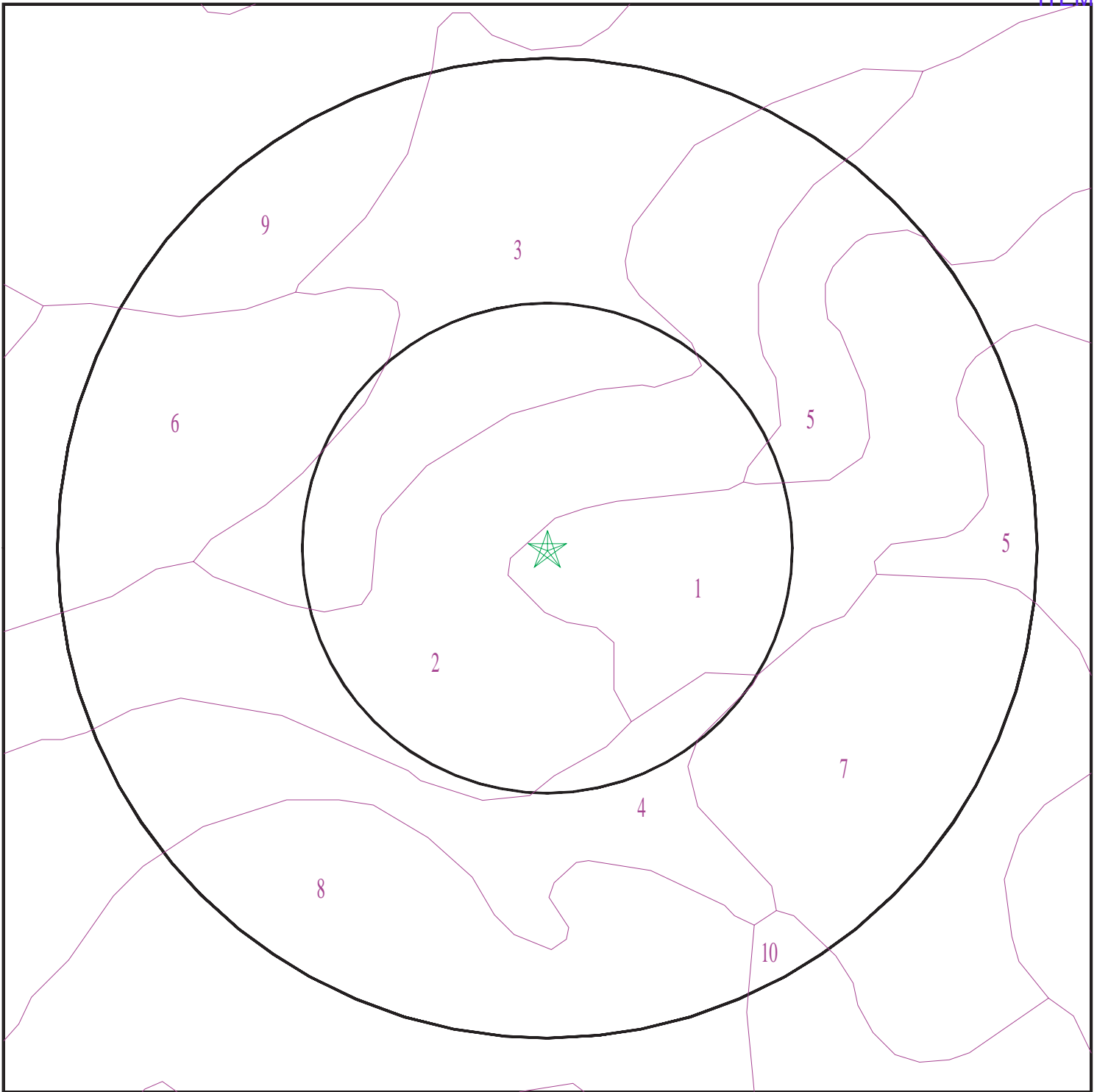
#### **GEOLOGIC AGE IDENTIFICATION**

Category: Eugeosynclinal Deposits

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 - 3785462.2s

ITEM 19



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Proposed La Costa Valley Recreational Facilities  
ADDRESS: 1876-1942 CALLE BARCELONA  
Carlsbad CA 92009  
LAT/LONG: 33.074 / 117.2551

CLIENT: URS Corporation  
CONTACT: Massoud Karimi  
INQUIRY #: 3785462.2s  
DATE: November 14, 2013 9:14 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: ROUGH BROKEN LAND

Soil Surface Texture: unweathered bedrock

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

#### Soil Map ID: 2

Soil Component Name: ALTAMONT

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	20 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	29 inches	33 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 3**

Soil Component Name: SALINAS

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6



**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	22 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	46 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

**Soil Map ID: 4**

Soil Component Name: LOAMY ALLUVIAL LAND

Soil Surface Texture: variable

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: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 5**

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loamy fine sand	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: 6.5 Min: 5.6
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
4	38 inches	48 inches	loamy coarse 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: 141 Min: 42	Max: 7.3 Min: 6.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 6**

Soil Component Name: CORRALITOS

Soil Surface Texture: loamy 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: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loamy sand	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: 141 Min: 42	Max: 7.3 Min: 6.1
2	11 inches	42 inches	loamy fine sand	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: 141 Min: 42	Max: 7.3 Min: 6.1

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	42 inches	72 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

**Soil Map ID: 7**

Soil Component Name: CARLSBAD

Soil Surface Texture: gravelly loamy sand

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

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	gravelly loamy 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: 6.5 Min: 5.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	20 inches	33 inches	loamy sand	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: 6.5 Min: 5.1
3	33 inches	50 inches	indurated	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 8**

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loamy fine sand	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: 6.5 Min: 5.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
4	38 inches	48 inches	loamy coarse 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: 141 Min: 42	Max: 7.3 Min: 6.6
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 9**

Soil Component Name: CARLSBAD

Soil Surface Texture: gravelly loamy sand

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: Not 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	gravelly loamy 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: 6.5 Min: 5.6
2	20 inches	27 inches	loamy 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: 6.5 Min: 5.1
3	27 inches	42 inches	indurated	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 10**

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loamy fine sand	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: 6.5 Min: 5.6
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
4	38 inches	48 inches	loamy coarse 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: 141 Min: 42	Max: 7.3 Min: 6.6
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

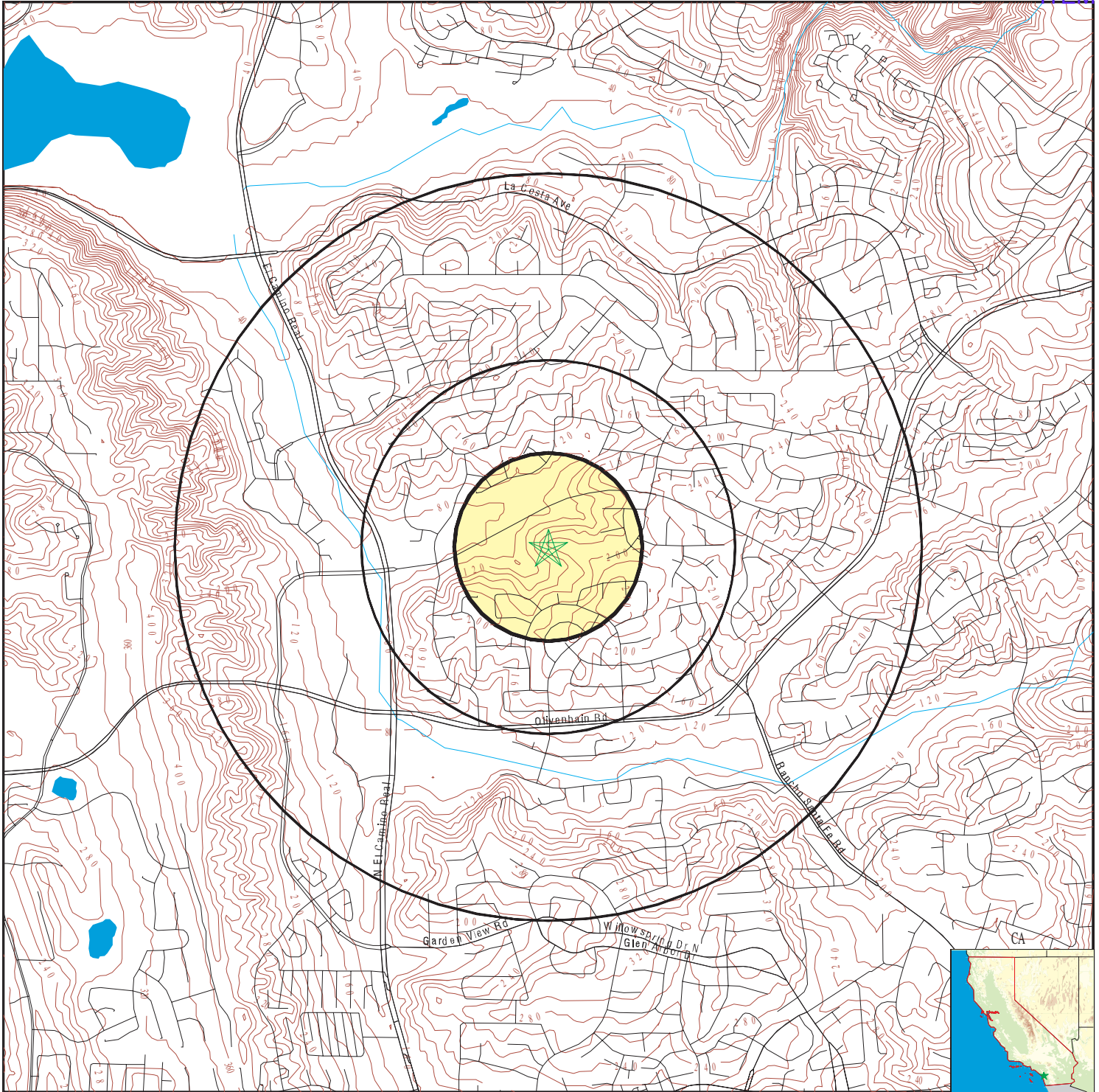
Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

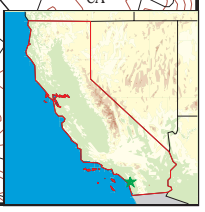
# PHYSICAL SETTING SOURCE MAP - 3785462.2s

ITEM 19



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



<p><b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities  <b>ADDRESS:</b> 1876-1942 CALLE BARCELONA          Carlsbad CA 92009  <b>LAT/LONG:</b> 33.074 / 117.2551</p>	<p><b>CLIENT:</b> URS Corporation  <b>CONTACT:</b> Massoud Karimi  <b>INQUIRY #:</b> 3785462.2s  <b>DATE:</b> November 14, 2013 9:14 am</p>
---	---

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

State Database: CA Radon

#### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92009	23	0

Federal EPA Radon Zone for SAN DIEGO County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

---

#### Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> 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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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# APPENDIX C

## Environmental Lien Search Report

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**Proposed La Costa Valley Recreational Facilities**

1876-1942 CALLE BARCELONA  
Carlsbad, CA 92009

Inquiry Number: 3785462.7  
November 18, 2013

## EDR Environmental Lien and AUL Search



## EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

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# EDR Environmental Lien and AUL Search

**TARGET PROPERTY INFORMATION**

**ADDRESS**

1876-1942 CALLE BARCELONA  
Proposed La Costa Valley Recreational Facilities  
Carlsbad, CA 92009

**RESEARCH SOURCE**

**Source 1:**  
San Diego Recorder  
San Diego, CA

**PROPERTY INFORMATION**

**Deed 1:**

Type of Deed: deed  
Title is vested in: San Diegionion High School Dist  
Title received from: Villages of La Costa Southwest LLC  
Deed Dated: 9/15/1999  
Deed Recorded: 9/17/1999  
Book: NA  
Page: na  
Volume: na  
Instrument: na  
Docket: NA  
Land Record Comments:  
Miscellaneous Comments:

**Legal Description:** See Exhibit

**Legal Current Owner:** San Diegionion High School Dist

**Parcel # / Property Identifier:** 255-273-08-00

**Comments:** See Exhibit

**ENVIRONMENTAL LIEN**

Environmental Lien: Found  Not Found

**OTHER ACTIVITY AND USE LIMITATIONS (AULs)**

AULs: Found  Not Found

## **Deed Exhibit 1**

RECORDED REQUEST OF  
**First American Title**  
SUBDIVISION MAPPING DEPT.

DOC # 1999-0639240

SEP 17, 1999 3:33 PM

RECORDING REQUESTED BY AND 7262

WHEN RECORDED MAIL TO:

San Dieguito Union H.S. District  
710 Encinitas Blvd.  
Encinitas, CA 92024  
Attention: William A. Berrier

OFFICIAL RECORDS  
SAN DIEGO COUNTY RECORDER'S OFFICE  
GREGORY J. SMITH, COUNTY RECORDER  
FEES: 0.00  
DC: NA

TAX: N.D.

MAIL TAX STATEMENTS TO:  
Same as above



1999-0639240

(Above space for Recorder's Use Only)

255-273-08

GRANT DEED

In accordance with Section 11932 of the California Revenue and Taxation Code, Grantor has declared the amount of transfer tax which is due by a separate statement which is not being recorded with this Grant Deed.

For a valuable consideration, receipt of which is hereby acknowledged, VILLAGES OF LA COSTA SOUTHWEST, L.L.C., a Delaware limited liability company, hereby grants to the SAN DIEGUITO UNION HIGH SCHOOL DISTRICT, a California School District, the real property in the City of Carlsbad, County of San Diego, State of California, and more particularly described in Exhibit "A" attached hereto and made a part hereof ("Property").

This conveyance is subject to non-delinquent taxes and general, special and supplemental assessments and bonds, and all covenants, conditions, restrictions, easements, licences, reservations, rights, rights-of-way and other matters of record affecting the Property and matters which could be ascertained by an inspection or survey of the Property.

RESERVING UNTO GRANTOR, its successors and assigns together with the right to grant and transfer all or a portion of the same, a non-exclusive easement on, under, over, through and across the Property for the purpose of (a) constructing all public improvements required in connection with Final Tract Map Nos. 13386, (b) constructing common area and master homeowners association improvements, and (c) completing any subdivision and grading improvements or performing any maintenance required by Grantor for release of its subdivision and grading improvement bonds and deposits. Upon completion of the purposes described in the preceding sentence, said easements reserved herein shall terminate.

Also reserving unto Grantor for the benefit of its adjacent property, consisting of LOTS 1073 THROUGH 1079 OF CARLSBAD TRACT NO.88-03-03, ARROYO LA COSTA, UNIT 3, IN

F6  
7P  
ND  
NF  
OCNA  
TT

1173026-11

7263

THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13636, FILED IN THE OFFICE OF COUNTY RECORDER, SEPTEMBER 18, 1998 ("Benefitted Property"), together with the right to assign to future owners of the benefitted property, a "Cross Lot Drainage Easement" as more particularly described on Exhibit "B-1" hereto and depicted on Exhibit "B-2".

Provided further, reserving unto Grantor that certain "right of refusal" as set forth in Section 3.4(f) of that certain "Funding and Mitigation Agreement" dated July 28, 1994 by and between Grantee and Grantor's predecessor in title, Fieldstone La Costa Associates Limited Partnership.

DATED: SEPTEMBER 15, 1999

VILLAGES OF LA COSTA SOUTHWEST, L.L.C.,  
a Delaware limited liability company

By: Real Estate Collateral Management Company,  
a Delaware corporation  
Its: Managing Member

By: [Signature]  
Name: JAMES H. JACKSON  
Title: VIC PRESIDENT

By: William A. Bernier  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

7264

CERTIFICATION OF ACCEPTANCE

This is to certify that the interest in real property conveyed by grant deed dated September 15, 1999, from the Villages of La Costa Southwest, LLC, a Delaware limited liability company, to San Dieguito Union High School District of San Diego County, California, is hereby accepted by the undersigned officer on behalf of the Governing Board of said School District pursuant to authority conferred by resolution of the Governing Board of said School District adopted on July 15, 1999, and the grantee consents to the recordation thereof by its duly authorized officer.

Dated: 9/15/99

By: William A. Bernier  
(Superintendent)

Secretary to the Governing Board

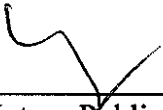
Exhibit "C"

7265  
ACKNOWLEDGMENT

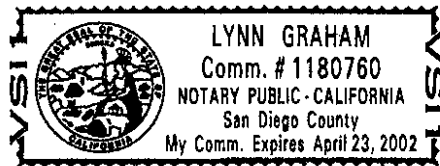
STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF San Diego )

On Sept 15 1999, before me Lynn Graham, personally appeared James M. Jackson, personally known to me (or 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.

WITNESS my hand and official seal.



\_\_\_\_\_  
Notary Public in and for said  
County and State

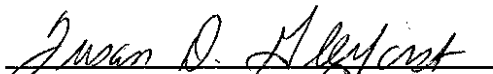


[SEAL]

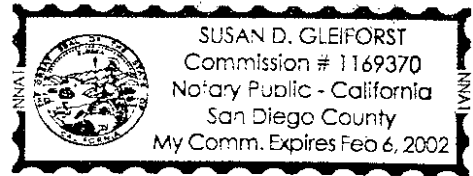
STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF SAN DIEGO )

On SEPT. 15, 1999, before me SUSAN D. GLEIFORST, personally appeared WILLIAM A. BERRIER, personally known to me (or 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.

WITNESS my hand and official seal.



\_\_\_\_\_  
Notary Public in and for said  
County and State



[SEAL]

7266

EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA,  
COUNTY OF SAN DIEGO, AND IS DESCRIBED AS FOLLOWS:

LOT 483 OF CARLSBAD TRACT NO. 88-03-2, ARROYO LA COSTA, UNIT 2, IN THE CITY  
OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO  
MAP THEREOF NO. 13386, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN  
DIEGO COUNTY, DECEMBER 20, 1996.

EXHIBIT "A"  
TO GRANT DEED



7267

EXHIBIT "B-1"CROSS LOT DRAINAGE EASEMENT

An easement for the drainage of any surface water or runoff from the **BENEFITTED PROPERTY** (as defined below) under, over and across the **EASEMENT AREA** (as defined below), including the drainage into the existing and future drainage facilities, brow ditches or similar structures, which structures shall be maintained, and may be relocated, at the cost and expense of the owner of the **BURDENED PROPERTY** (as defined below). The **EASEMENT AREA** is more particularly shown on the diagram attached hereto as Exhibit "B-2".

**EASEMENT AREA.** THAT PORTION OF LOT 483 OF CARLSBAD TRACT NO. 88-03-2, ARROYO LA COSTA, UNIT 2, IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13386, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DECEMBER 20, 1996, CONSISTING OF A FIVE (5) FOOT WIDE STRIP OF LAND THE SOUTHERLY BOUNDARY OF SAID FIVE (5) FOOT STRIP BEING THE SOUTHERLY BOUNDARY OF SAID LOT, COMMENCING AT THE SOUTHEASTERLY MOST CORNER OF SAID LOT AND EXTENDING WESTERLY ALONG THE SOUTHERLY LOT BOUNDARY AND ENDING AT THE EXISTING TWENTY (20) FOOT WIDE DRAINAGE EASEMENT PER SAID MAP THEREOF NO. 13386, AS MORE PARTICULARLY SHOWN ON EXHIBIT "B-2" HEREOF.

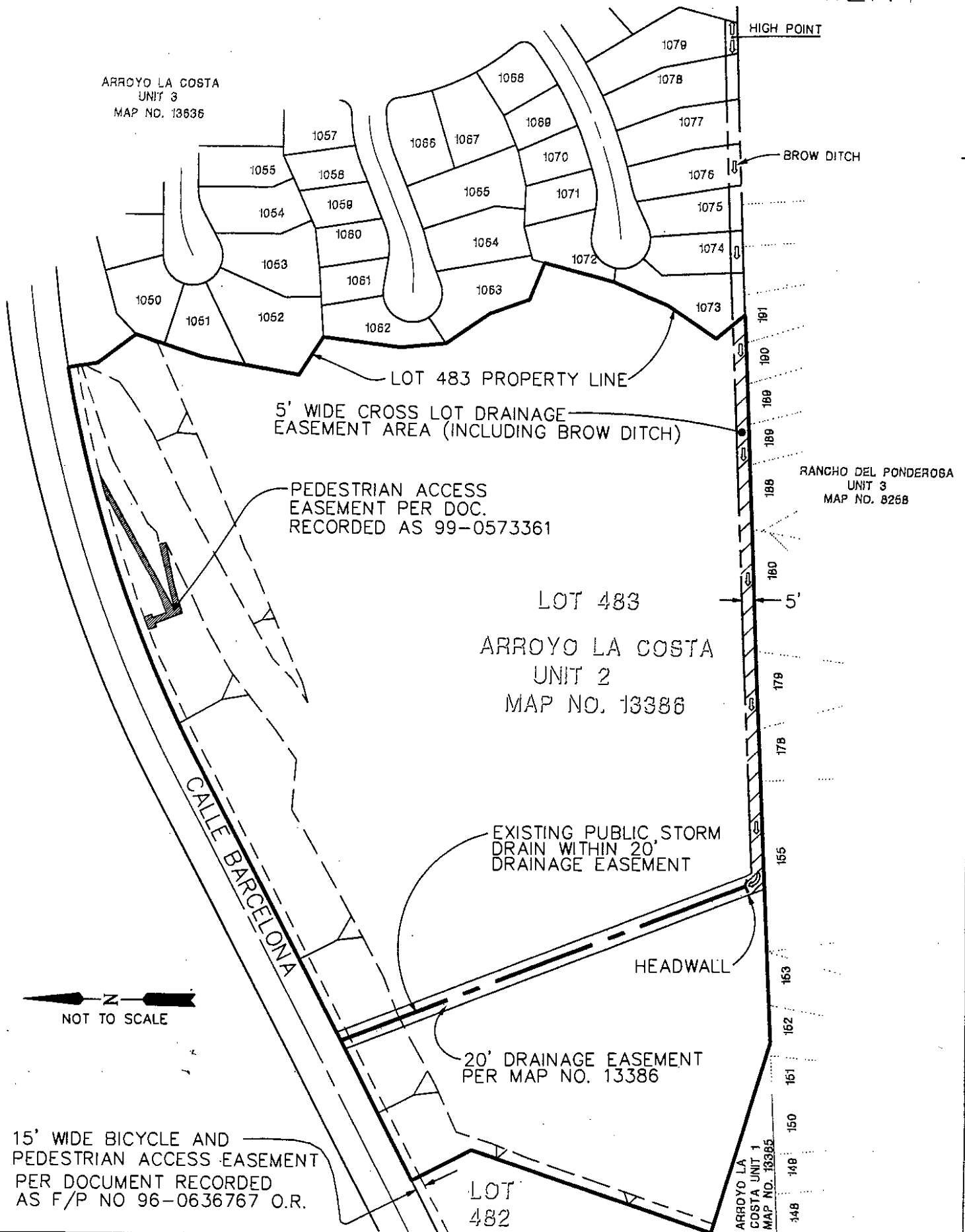
**BENEFITTED PROPERTY.** LOTS 1073 THROUGH 1079 OF CARLSBAD TRACT NO. 88-03-03, ARROYO LA COSTA, UNIT 3, IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13636, FILED IN THE OFFICE OF COUNTY RECORDER, SEPTEMBER 18, 1998

**BURDENED PROPERTY.** LOT 483 OF CARLSBAD TRACT NO. 88-03-2, ARROYO LA COSTA, UNIT 2, IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13386, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DECEMBER 20, 1996.

EXHIBIT "B-1"  
TO GRANT DEED

# EXHIBIT "B-2" 7268

## 5' WIDE CROSS LOT DRAINAGE EASEMENT



7269

First American Title- SAN DIEGO, 411 IVY ST., SAN DIEGO, CA 920101

TO:  
GREG SMITH - COUNTY RECORDER

SAN DIEGO COUNTY

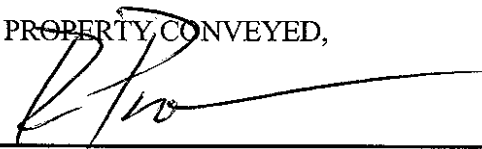
THE AMOUNT OF REMITTANCE BELOW IS IN FULL PAYMENT OF THE DOCUMENTARY TRANSFER TAX FOR THE DOCUMENT ATTACHED AND DESCRIBED BELOW. WHEN TAX PAYMENT IS VERIFIED AND AFTER THE PERMANENT RECORD IS MADE, ATTACH THIS REQUEST TO THE DOCUMENT PURSUANT TO SECTION 11932 R & T CODE.

GRANTOR: VILLAGES OF LA COSTA SOUTHWEST, LLC

GRANTEE: SAN DIEGUITO UNION HIGH SCHOOL DISTRICT

DOCUMENTARY TRANSFER TAX \$6,402.00

XXX COMPUTED ON FULL VALUE OF PROPERTY CONVEYED,



\_\_\_\_\_  
ROY PROVENCE, FIRST AMERICAN TITLE INSURANCE COMPANY

UNINCORPORATED AREA \_

CITY OF CARLSBAD

PARCEL NO: 255-273-08

DATED: September 17, 1999 \_\_\_\_\_

DATE OF RECORDATION: \_\_\_\_\_ DOCUMENT NO. \_\_\_\_\_

\_\_\_\_\_  
FIRST AMERICAN TITLE INSURANCE CO.  
(SIGNATURE OF PARTY SUBMITTING FOR RECORDATION)

# APPENDIX D


## Historical Topographic Maps

---

# Historical Topographic Map

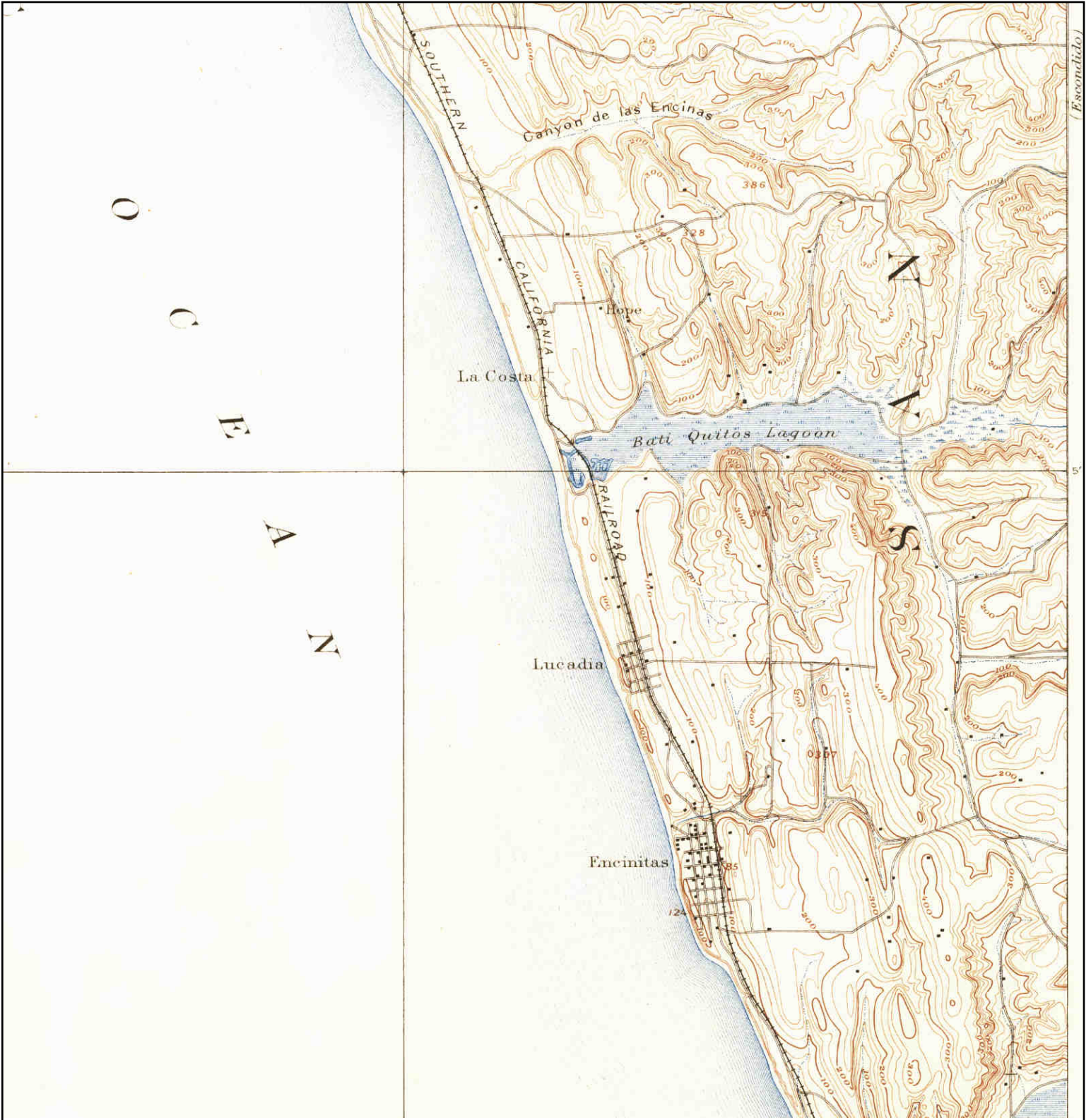
ITEM 19




	<b>ADJOINING QUAD</b>		
	NAME: ESCONDIDO	SITE NAME: Proposed La Costa Valley Recreational Facilities	CLIENT: URS Corporation
	MAP YEAR: 1893	ADDRESS: 1876-1942 CALLE BARCELONA	CONTACT: Massoud Karimi
	SERIES: 15	Carlsbad, CA 92009	INQUIRY#: 3785462.4
	SCALE: 1:62500	LAT/LONG: 33.074 / -117.2551	RESEARCH DATE: 11/14/2013

# Historical Topographic Map

ITEM 19




	<b>TARGET QUAD</b> NAME: OCEANSIDE MAP YEAR: 1893	SITE NAME: Proposed La Costa Valley Recreational Facilities ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009 LAT/LONG: 33.074 / -117.2551	CLIENT: URS Corporation CONTACT: Massoud Karimi INQUIRY#: 3785462.4 RESEARCH DATE: 11/14/2013
	SERIES: 15 SCALE: 1:62500		

# Historical Topographic Map

ITEM 19




	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	<b>NAME:</b> ESCONDIDO	<b>ADDRESS:</b> 1876-1942 CALLE BARCELONA	<b>CONTACT:</b> Massoud Karimi
	<b>MAP YEAR:</b> 1901	<b>CARLSBAD, CA 92009</b>	<b>INQUIRY#:</b> 3785462.4
	<b>SERIES:</b> 15	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>RESEARCH DATE:</b> 11/14/2013
	<b>SCALE:</b> 1:62500		

# Historical Topographic Map

ITEM 19



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	<b>NAME:</b> SAN LUIS REY	<b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009	<b>CONTACT:</b> Massoud Karimi
	<b>MAP YEAR:</b> 1901	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>INQUIRY#:</b> 3785462.4
	<b>SERIES:</b> 30		<b>RESEARCH DATE:</b> 11/14/2013
	<b>SCALE:</b> 1:125000		



# Historical Topographic Map



<p>N ↑</p>	<p><b>TARGET QUAD</b> NAME: OCEANSIDE MAP YEAR: 1901</p>	<p><b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities <b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009 <b>LAT/LONG:</b> 33.074 / -117.2551</p>	<p><b>CLIENT:</b> URS Corporation <b>CONTACT:</b> Massoud Karimi <b>INQUIRY#:</b> 3785462.4 <b>RESEARCH DATE:</b> 11/14/2013</p>
	<p><b>SERIES:</b> 15 <b>SCALE:</b> 1:62500</p>		

# Historical Topographic Map

ITEM 19

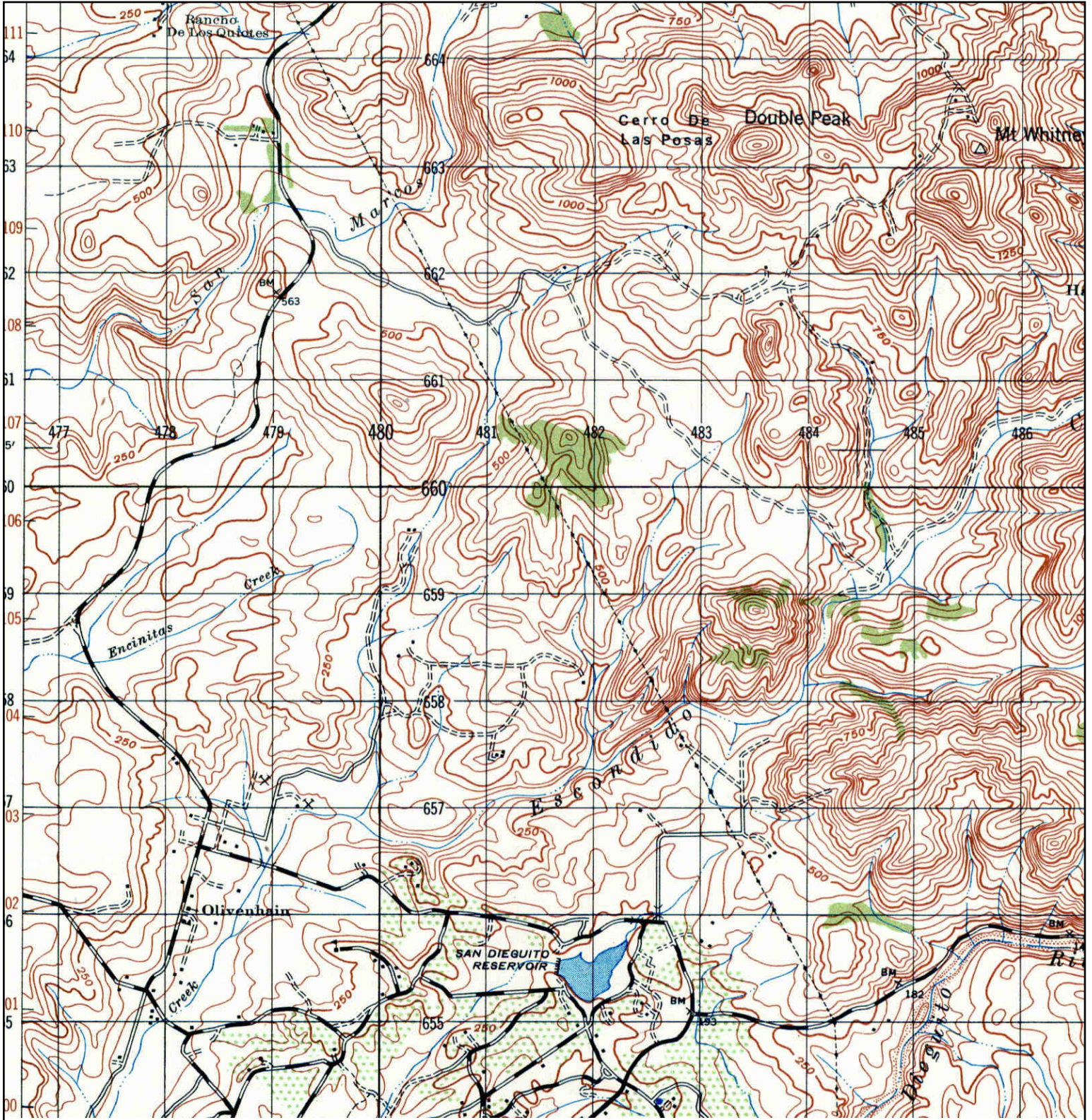



**Unsurveyed Area on the Topographic Map**

<p>N ↑</p>	<p><b>TARGET QUAD</b> NAME: SOUTHERN CA SHEET 2 MAP YEAR: 1904</p>	<p>SITE NAME: Proposed La Costa Valley Recreational Facilities</p>	<p>CLIENT: URS Corporation</p>
	<p>SERIES: 60 SCALE: 1:250000</p>	<p>ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009</p>	<p>CONTACT: Massoud Karimi</p>
		<p>LAT/LONG: 33.074 / -117.2551</p>	<p>INQUIRY#: 3785462.4 RESEARCH DATE: 11/14/2013</p>

# Historical Topographic Map

ITEM 19




<p>N</p> 	<b>ADJOINING QUAD</b>				
	NAME:	ESCONDIDO		SITE NAME:	Proposed La Costa Valley Recreational Facilities
	MAP YEAR:	1947		ADDRESS:	1876-1942 CALLE BARCELONA Carlsbad, CA 92009
	SERIES:	15		LAT/LONG:	33.074 / -117.2551
	SCALE:	1:50000	CLIENT:	URS Corporation	
			CONTACT:	Massoud Karimi	
			INQUIRY#:	3785462.4	
			RESEARCH DATE:	11/14/2013	

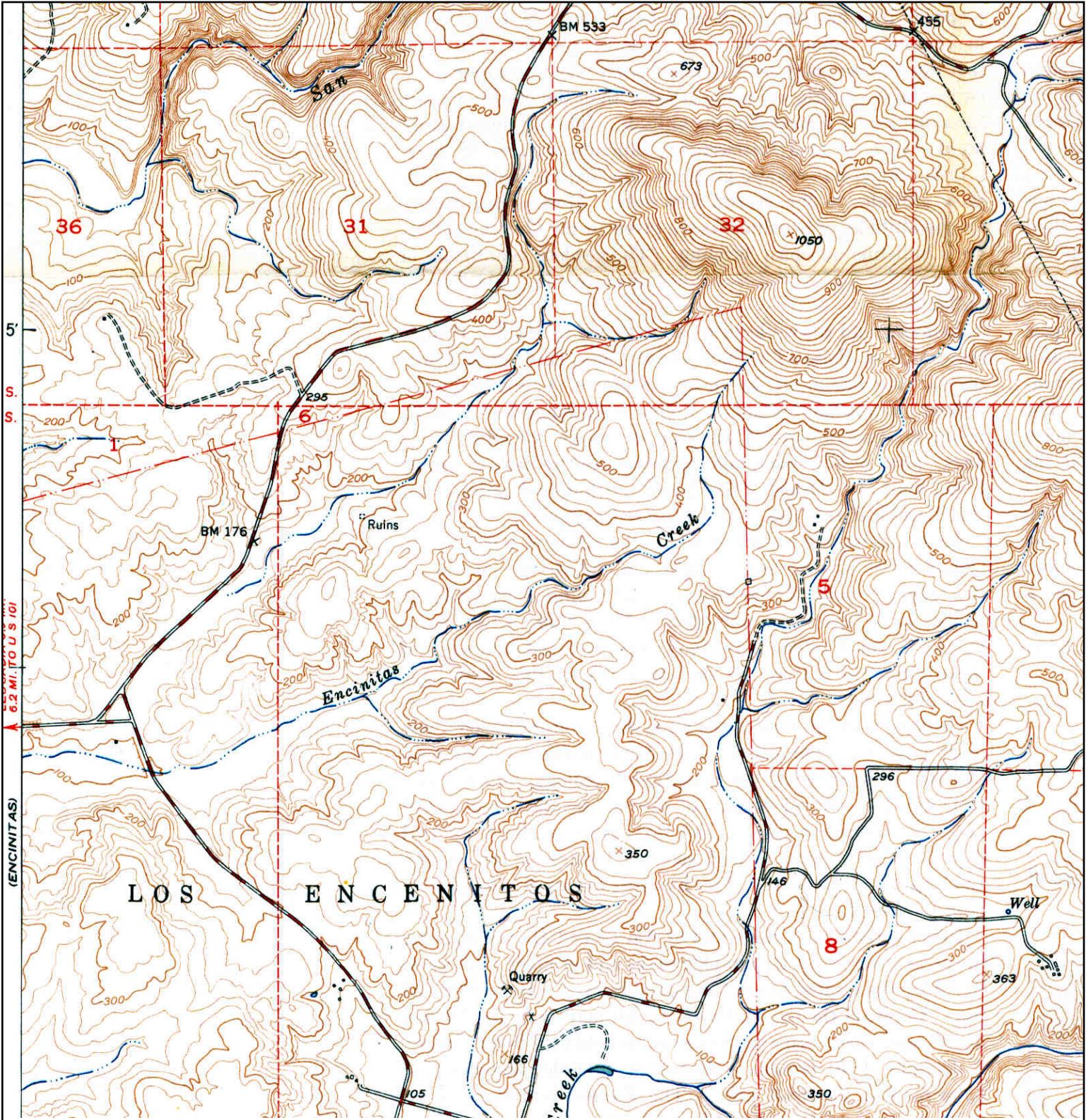
# Historical Topographic Map

ITEM 19



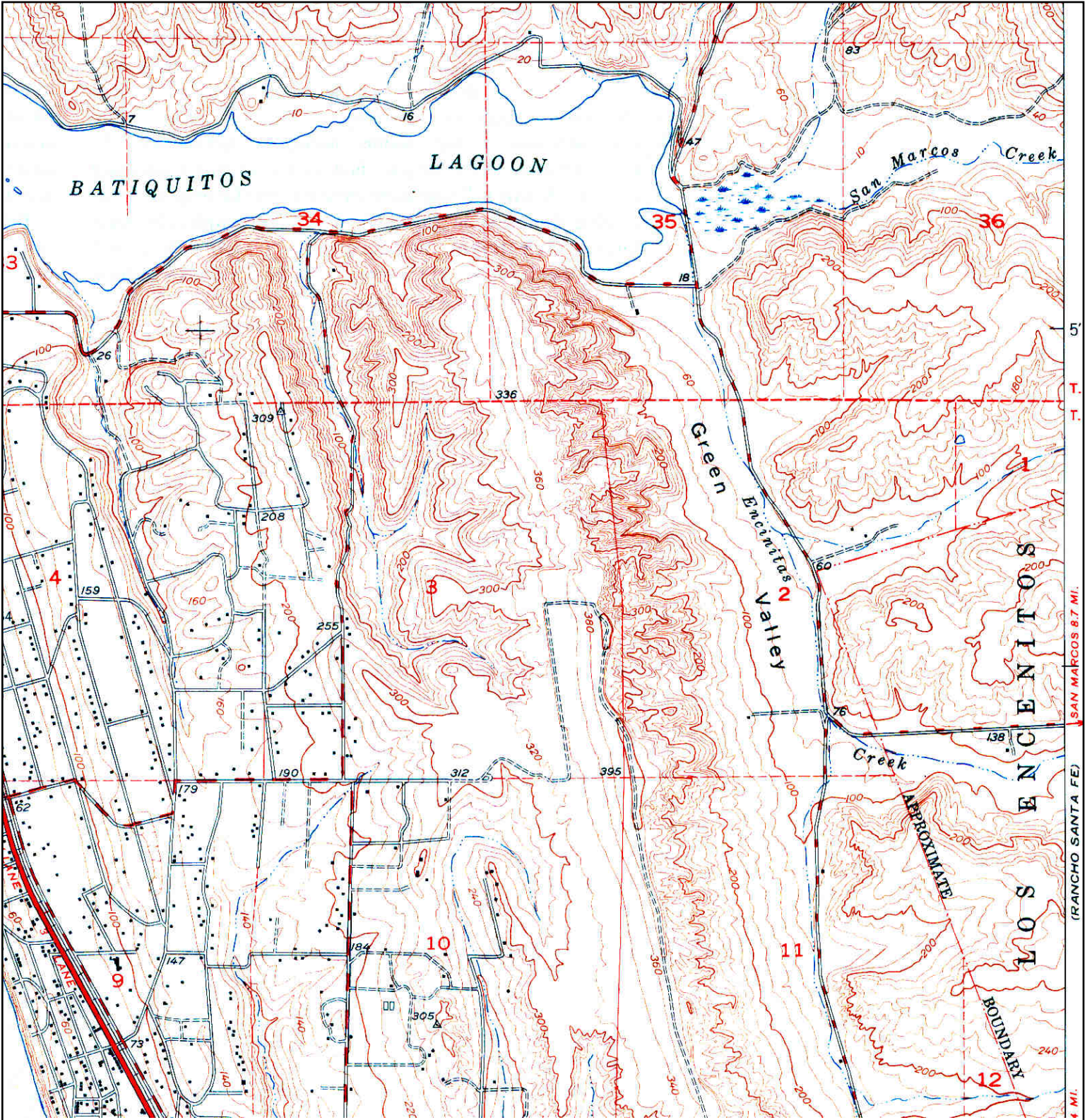
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	SERIES: 15 SCALE: 1:50000		


# Historical Topographic Map



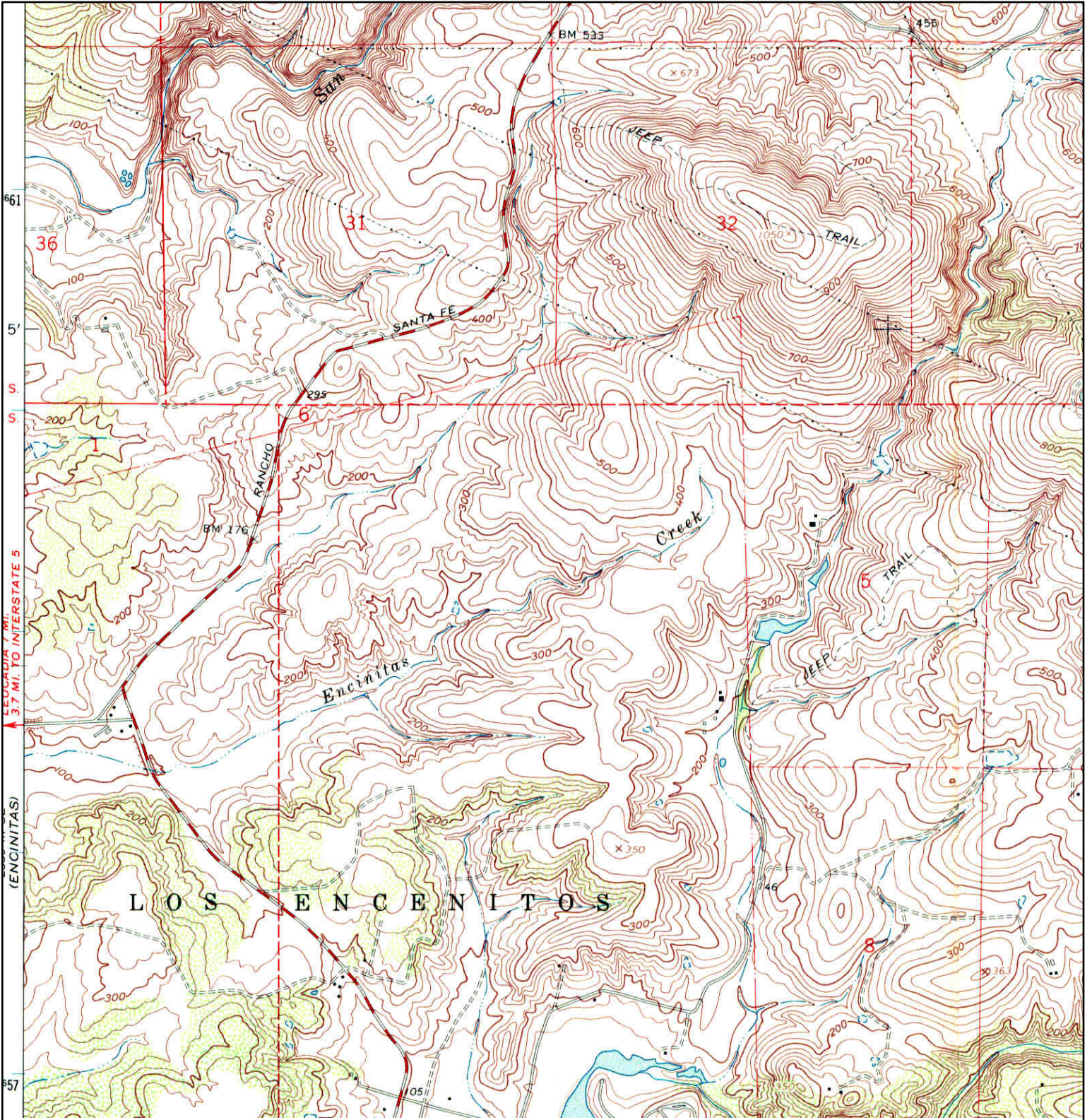
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# Historical Topographic Map



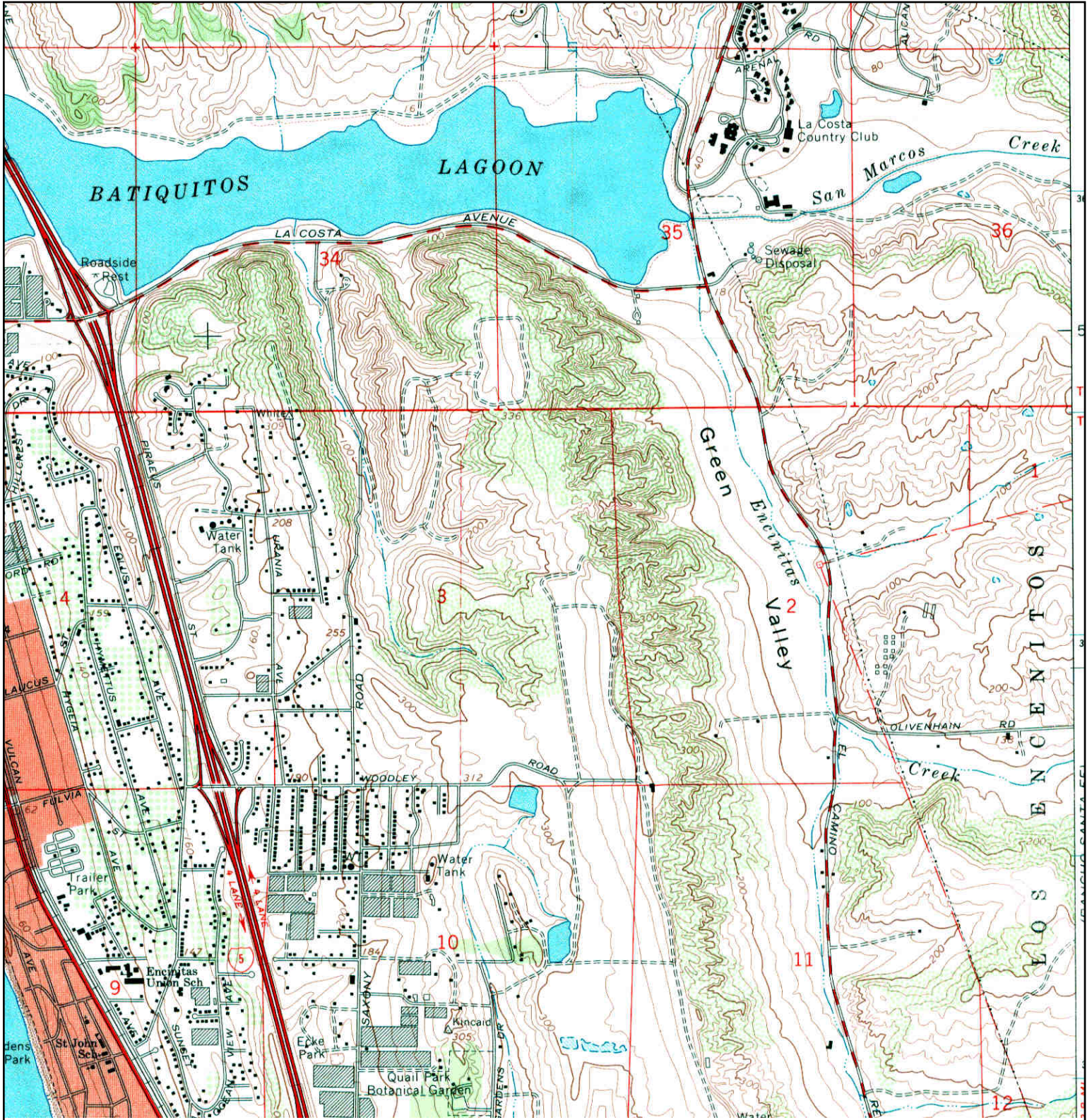
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	<b>MAP YEAR:</b> 1949	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>INQUIRY#:</b> 3785462.4
	<b>SERIES:</b> 7.5		<b>RESEARCH DATE:</b> 11/14/2013
	<b>SCALE:</b> 1:24000		

# Historical Topographic Map



	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b>	<b>CLIENT:</b>
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	MAP YEAR: 1968	ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009	CONTACT: Massoud Karimi
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	SCALE: 1:24000		RESEARCH DATE: 11/14/2013

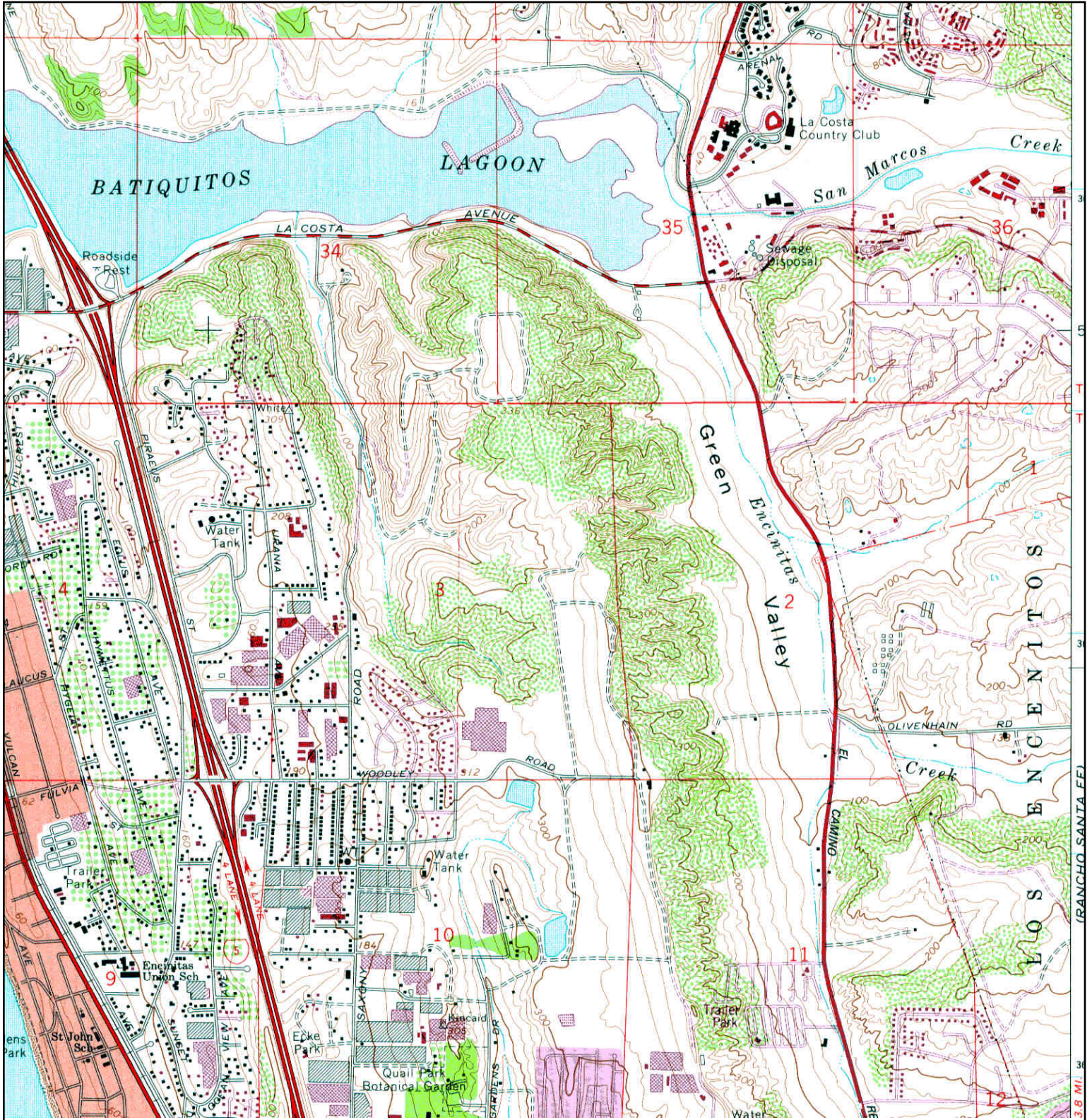
# Historical Topographic Map



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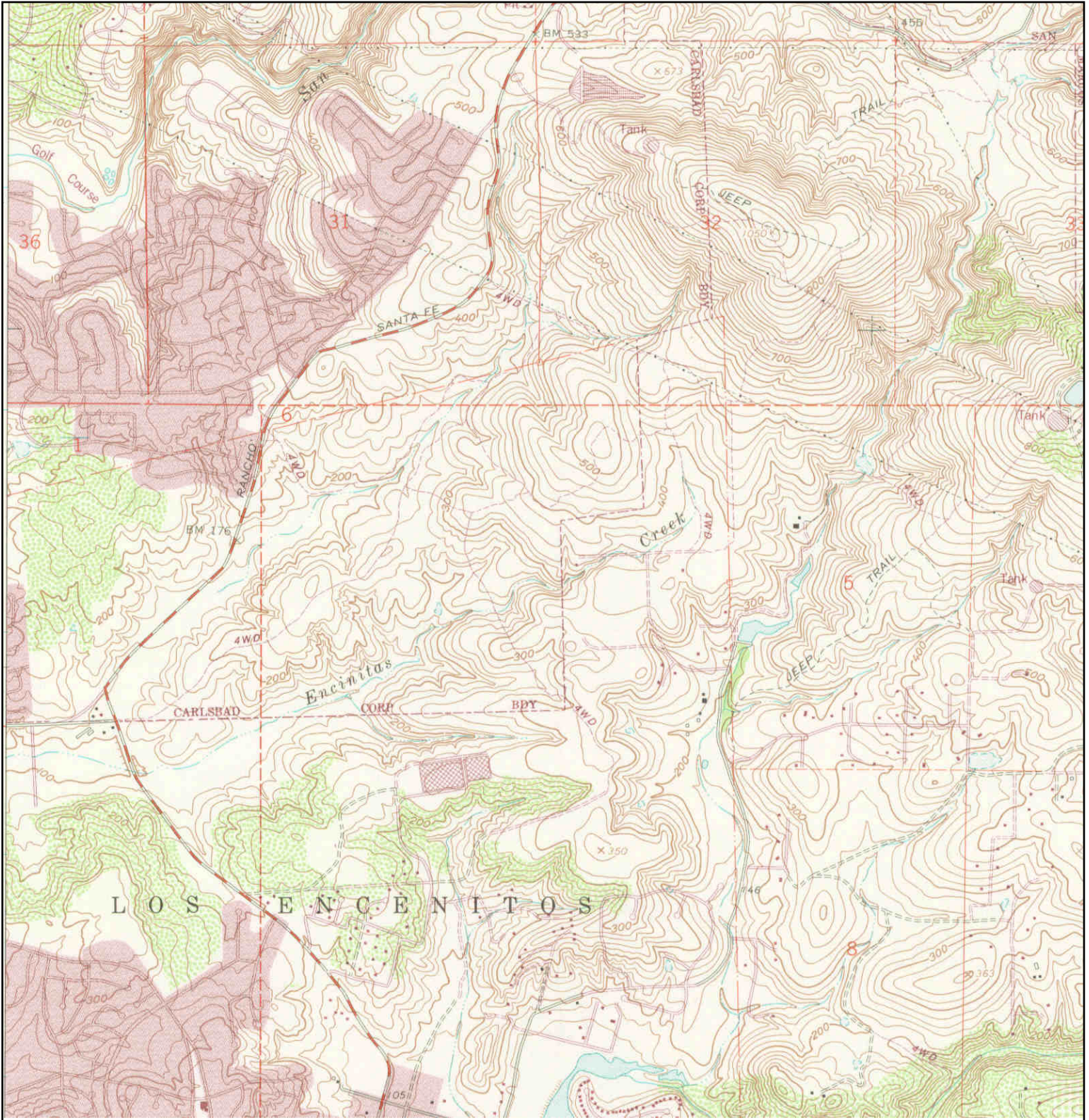



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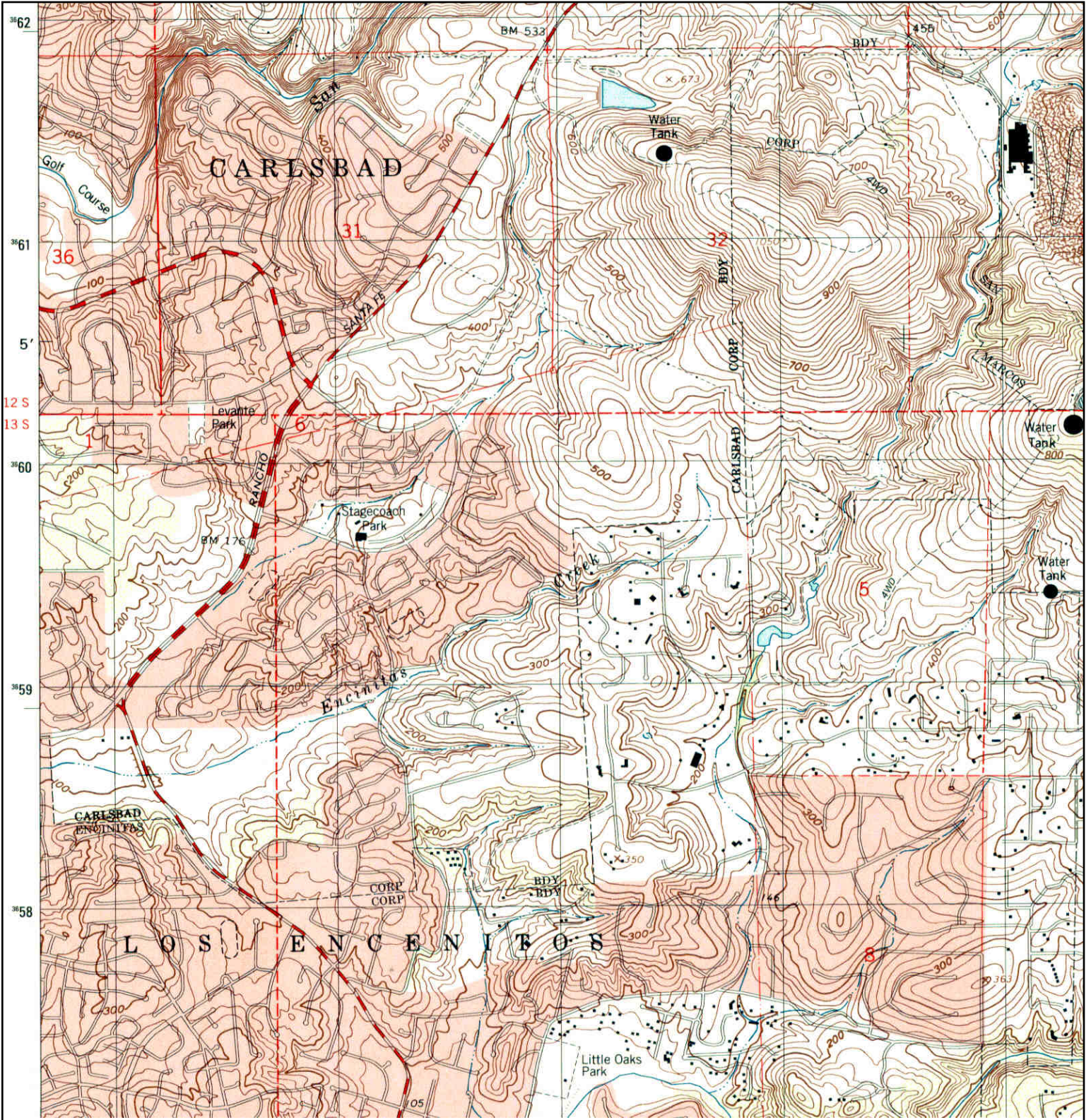
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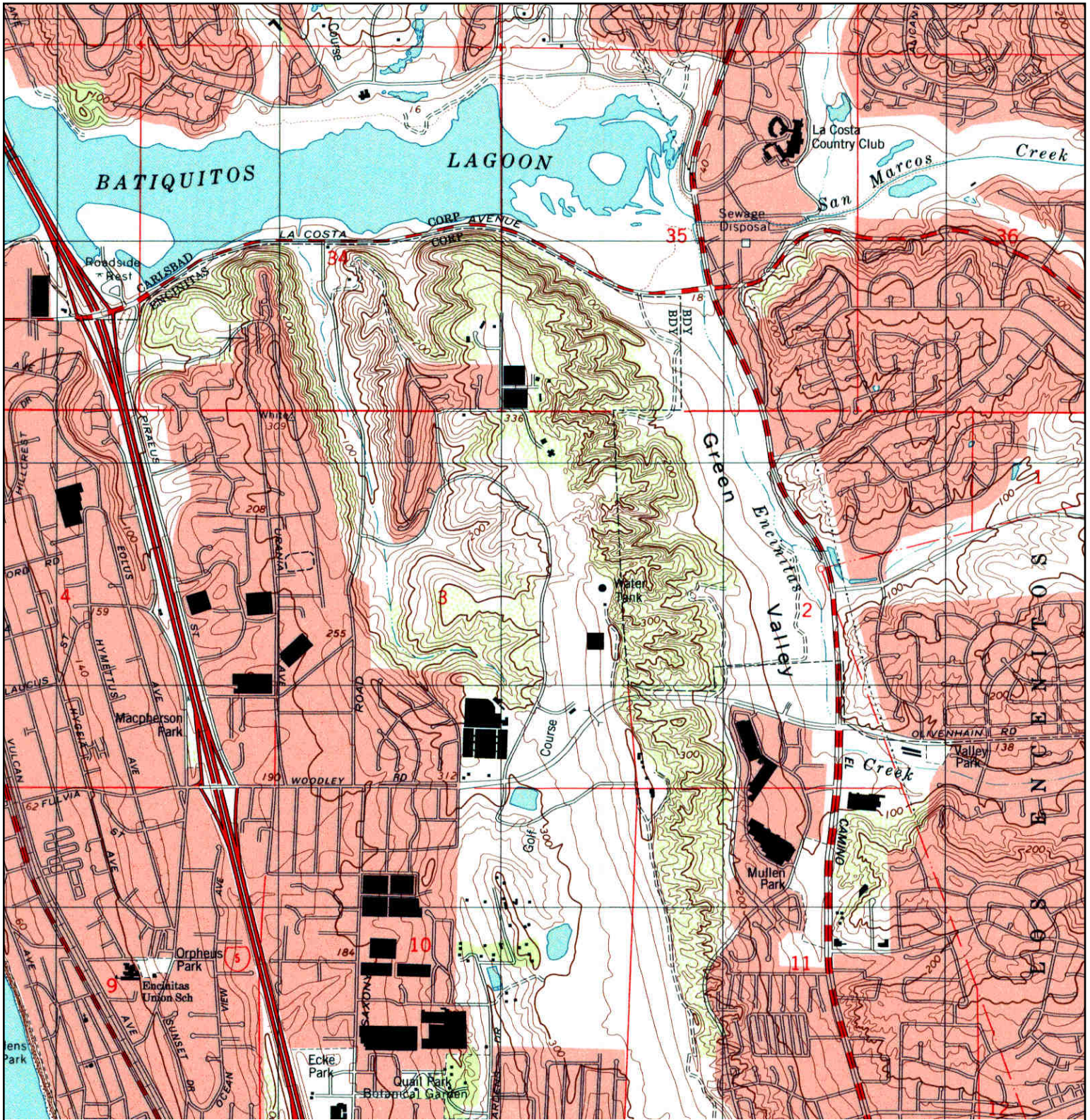
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	SCALE: 1:24000		

# Historical Topographic Map



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	SCALE:	1:24000				RESEARCH DATE:	11/14/2013

# Historical Topographic Map



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# APPENDIX E

## Historical Aerial Photographs

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YEAR: 1939

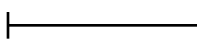
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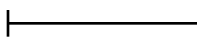
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**INQUIRY #:** 3785462.5

**YEAR:** 1963

**Scale:** 1" = 500'





INQUIRY #: 3785462.5

YEAR: 1974

| = 500'





**INQUIRY #:** 3785462.5

**YEAR:** 1980

|—————| = 500'





INQUIRY #: 3785462.5

YEAR: 1990

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INQUIRY #: 3785462.5

YEAR: 1994

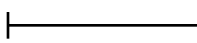
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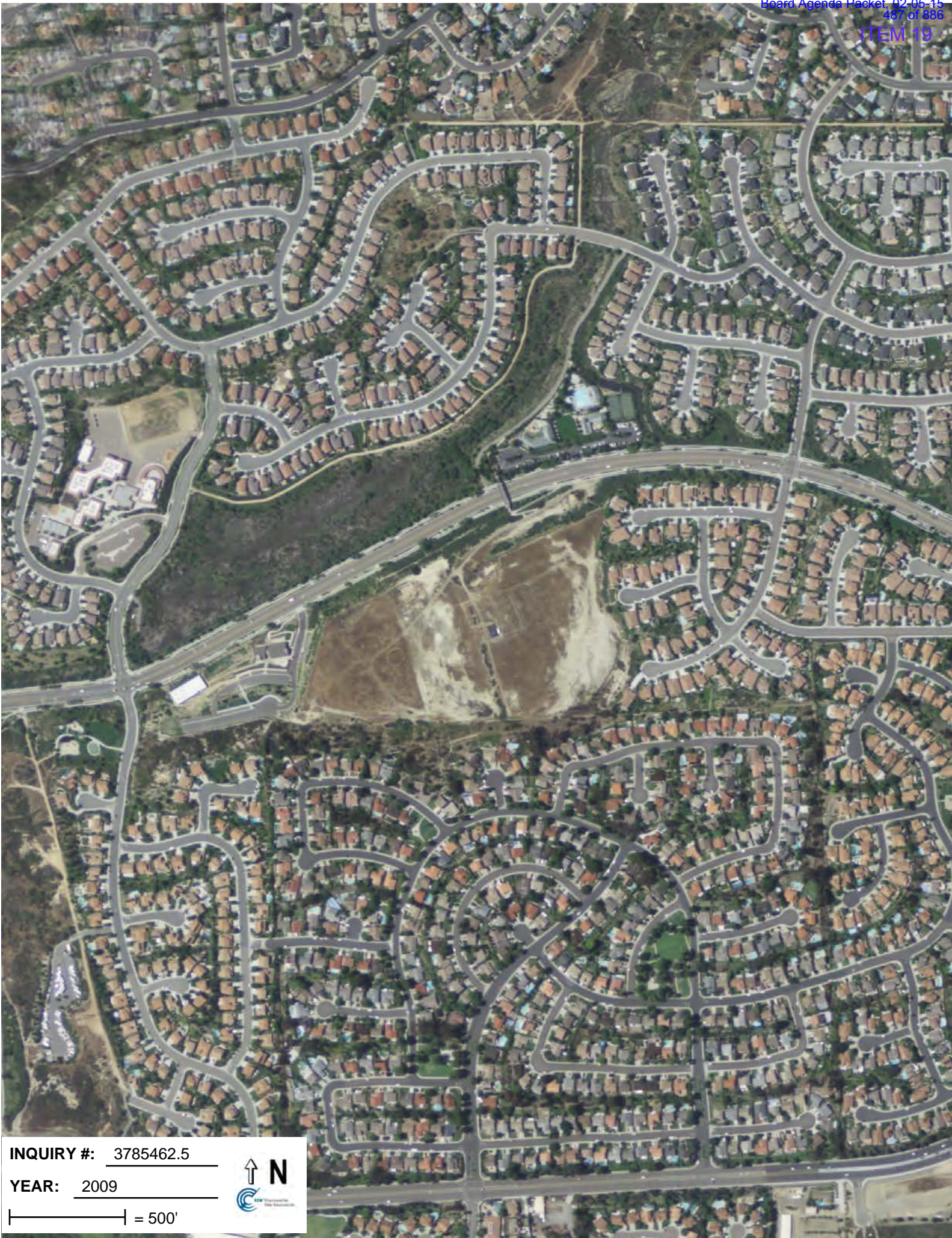


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**YEAR:** 2005

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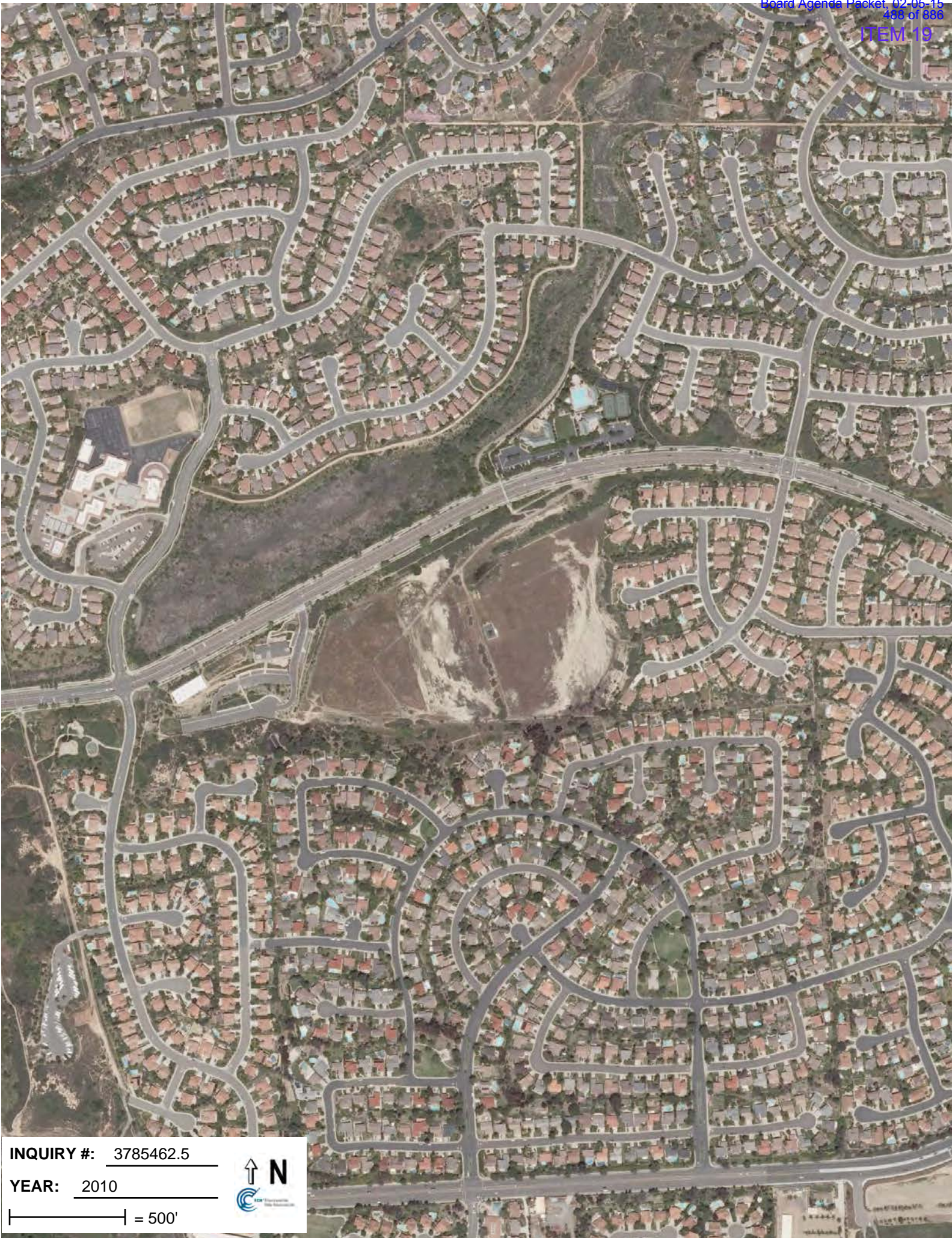


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**YEAR:** 2009

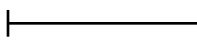
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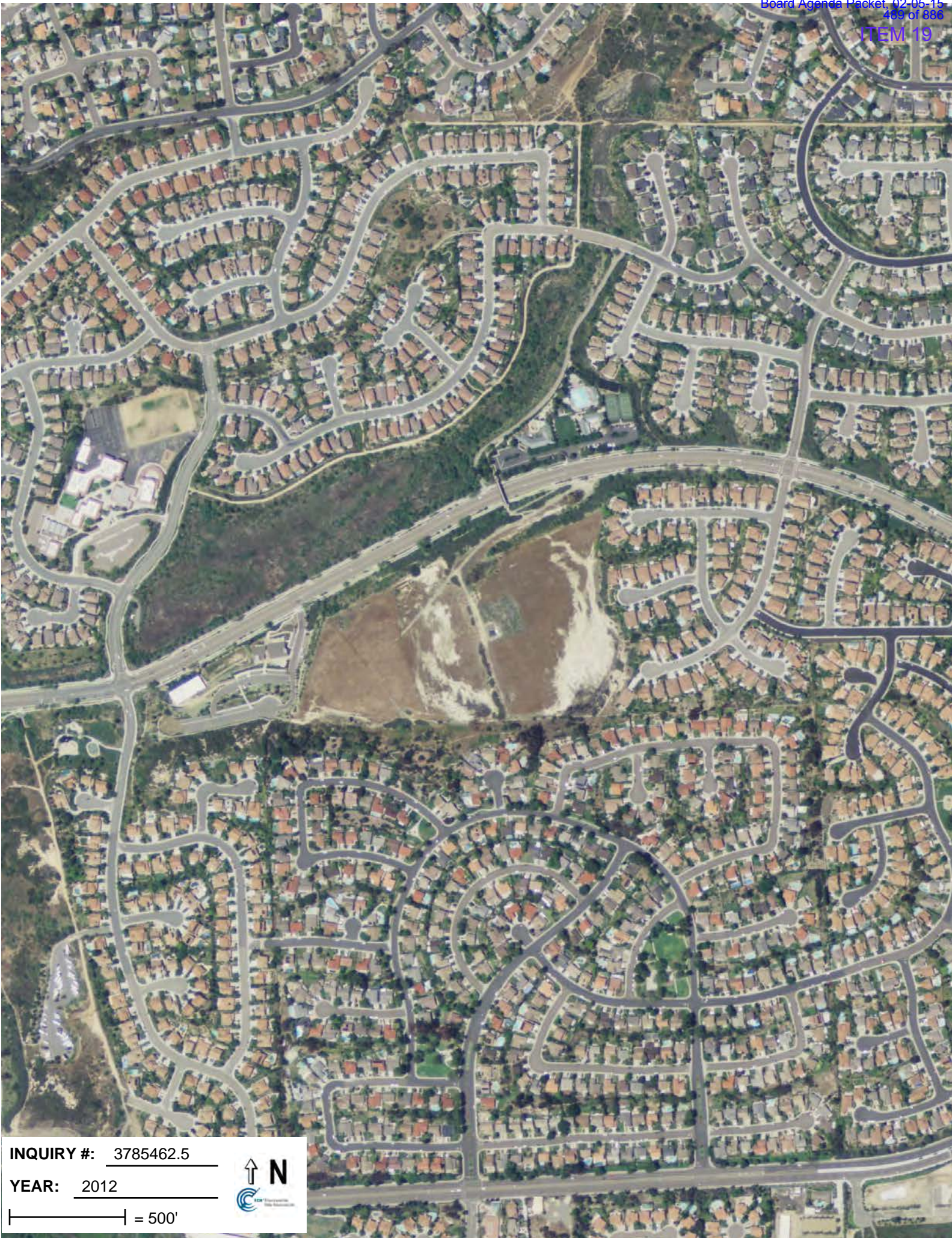
**INQUIRY #:** 3785462.5

**YEAR:** 2010

 = 500'







INQUIRY #: 3785462.5

YEAR: 2012

| = 500'



# APPENDIX D

## Preliminary Endangerment Assessment

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**R E P O R T**

**PRELIMINARY ENDANGERMENT  
ASSESSMENT REPORT FOR:**

**SAN DIEGUITO UNION HIGH SCHOOL  
DISTRICT – LA COSTA VALLEY SITE**

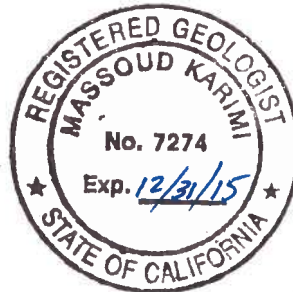
Prepared for:

San Dieguito Union High School District – La Costa Valley Site  
South Side of Calle Barcellona and East of El Camino Real  
Carlsbad, California

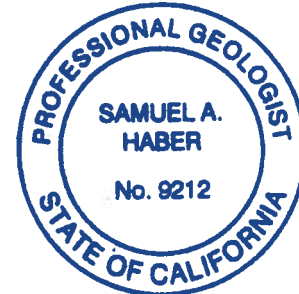
URS Project Reference No. 27654194



Massoud Karimi, PG  
Senior Project Geologist



Sam Haber, PG  
Senior Staff Geologist



November 14, 2014

**URS**

4225 Executive Square, Suite 1600  
La Jolla, CA 92037  
858.812.9292 Fax: 858.812.9293



November 14, 2014

Mr. Johnson P. Abraham  
Project Manager  
Brownfields and Environmental Restoration Program  
Department of Toxic Substances Control  
5796 Corporate Avenue  
Cypress, CA 90630

Subject: Preliminary Environmental Assessment  
San Dieguito Unified High School District – La Costa Valley Site  
South Side of Calle Barcelona and East of El Camino Real  
Carlsbad, California  
DTSC Site Code: 404897  
URS Project Reference No. 27654194

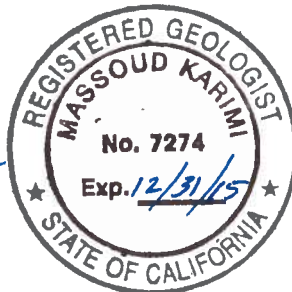
Dear Mr. Abraham:

On behalf of the San Dieguito Union High School District (District), URS Corporation Americas is pleased to provide the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC) one copy of the Preliminary Endangerment Assessment (PEA) Report for the proposed La Costa Valley site (site), located on the south side of Calle Barcellona and east of Camino Real, in Carlsbad, San Diego County, California (Figure 1). The document was prepared in response to request to complete a PEA for the site as outlined in the DTSC correspondence, dated April 25, 2014. Soil sampling and methane gas screening performed on September 11 and 12, 2014 were conducted in general accordance with the URS' approved PEA work plan dated August 30, 2013. Based on the PEA sampling results, there is no significant risk to human health or the environment, and as such no further action is recommended.

Sincerely,

URS CORPORATION

Massoud Karimi, PG  
Senior Project Geologist



Sam Haber, PG  
Senior Staff Geologist



cc: Mr. John Addleman – Director of Planning Services San Dieguito  
Union High School District

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## List of Acronyms and Abbreviations

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APN	Assessor's Parcel Number
bgs	Below Ground Surface
CalEPA	California Environmental Protection Agency
CDC	State of California Department of Conservation
CDE	California Department of Education
CGS	California Geological Survey
COPCs	Contaminants of Potential Concern
DEH	County of San Diego Department of Environmental Health
DTSC	Department of Toxic Substances Control
ESA	Environmental Site Assessment
FID	Flame Ionization Detector
Geocon	Geocon, Incorporated
GPS	Global Positioning System
HASP	Health and Safety Plan
KV	Kilovolts
mg/kg	Milligrams Per Kilogram
msl	Mean Sea Level
OCPs	Organochlorine Pesticides
PEA	Preliminary Environmental Assessment
ppm	Parts Per Million
QA/QC	Quality Assurance/Quality Control
RWQCB	California Regional Water Quality Control Board
SAM	Site Assessment and Mitigation
SDG&E	San Diego Gas & Electric Company
site	La Costa Valley Site
TOC	Total Organic Carbon
URS	URS Corporation Americas
USA	Underground Service Alert
USCS	Unified Soil Classification System



## Executive Summary

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A Preliminary Endangerment Assessment (PEA) was conducted for the La Costa Valley site (site), located on the south side along Calle Barcelona and east of Camino Real, in Carlsbad, San Diego County, California (Figures 1 and 2). The purpose of the PEA was to address the following concerns or comments of the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC):

- Potential presence of organochlorine pesticides (OCPs) and arsenic in the site soils based on historical information, which suggests that the site was used for row crops between the early 1950s to mid-1960s.
- An inquiry to evaluate whether the high-pressure pipelines identified in the site vicinity during the Phase I Environmental Site Assessment (ESA) were ever used to carry either unrefined petroleum products or hazardous liquids and/or may have experienced unauthorized releases in the past. Any identified evidence of such release(s) requires further investigation.
- Potential presence of methane gas in the fill materials placed on site during site grading. Areas where the fill is deepest across the site should be targeted for this purpose.
- Identify the site location on the historical topographic maps.
- Identify the site location on the historical aerial photographs.

The PEA was implemented in accordance with a work plan approved by DTSC dated September 5, 2014. The PEA included advancing 37 investigation borings ranging in depth from 2.5 feet to 55 feet below ground surface (bgs). The borings were sampled for the chemicals of potential concern which included OCPs and arsenic.

OCPs were not detected at concentrations above the laboratory reporting limits in the soil samples analyzed from the site. Arsenic was detected in three samples marginally above the 12 milligrams per kilogram (mg/kg) concentration DTSC considers the upper range of background. The concentrations in these samples ranged from 14.6 mg/kg to 17.7 mg/kg. Based on these results, DTSC requested that supplemental (step-out and step-down) sampling be conducted. Analytical results for step-out and step-down sampling indicated that none of the samples contained arsenic concentrations above background (12 mg/kg). The limited number of samples containing arsenic concentrations above background are considered to be outliers and associated with naturally occurring arsenic in the native soils. The concentrations of arsenic present in soil at the site do not pose an adverse risk to human health or the environment.

The deep borings were screened for the presence of methane. Methane concentrations were not present in the borings above the threshold of 500 parts per million (ppm) as established in the PEA work plan for the site. The maximum methane concentration detected was 45 ppm.

Interviews conducted by URS Corporation Americas (URS) with the pipeline owners/operators did not reveal past documented incidents involving unauthorized release of hazardous substances from the subject pipelines. The results of a pipeline risk assessment for the proposed La Costa Valley Site indicated that the pipelines identified within the 1,500-foot radial distance from the site property boundaries have a very low likelihood of posing a significant risk to the future site occupants and meet the acceptable risk criteria established by the California Department of Education (CDE). This is based on applicable and relevant

## Executive Summary

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risk model input parameters used in conjunction with the current understanding of the future site use. As such, no further risk assessment or evaluations are recommended at this time.

# SECTION ONE

## Introduction

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### SECTION 1 INTRODUCTION

This Preliminary Endangerment Assessment (PEA) report has been prepared for the La Costa Valley site (site), located on the south side and along Calle Barcelona and east of Camino Real, in Carlsbad, San Diego County, California (Figures 1 and 2). URS Corporation Americas (URS) has prepared this document on behalf of the San Dieguito Union High School District (District) in response to the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC) request to complete a PEA for the site as outlined in the DTSC correspondence, dated April 25, 2014. The response was based on the results of a Phase I Environmental Site Assessment (ESA) completed by URS that is summarized in a report titled, "Report of Phase I Environmental site Assessment for La Costa Valley Site, Carlsbad, California" and dated December 18, 2013 (URS, 2013). The Phase I ESA is provided in Appendix A.

This PEA was prepared under a contractual agreement between URS and the District, dated October 17, 2013 (CB201401). The PEA oversight by DTSC is provided under an agency Agreement with the District (Site Code 404897).

#### 1.1 BACKGROUND AND PEA OBJECTIVES

The subject property was graded to level the topography in 1999 in preparation for construction of a middle school, but the school was not built and the site remained vacant to the present. The Phase I ESA, prepared by URS, dated December 18, 2013, was to support the District in its plans for future site development including the construction of athletic fields, a gymnasium and a multi-purpose building. Proposed location and configuration of these future site improvements, as provided by the District, are depicted on Figure 3.

Following its review of the Phase I ESA, DTSC made a determination that a PEA is needed for the site. The purpose of the PEA is to determine whether a release or threatened release of hazardous materials or naturally occurring hazardous materials may pose a threat to public health or the environment. More specifically, according to the DTSC correspondence, dated April 25, 2014, and based on discussions which followed during a scoping meeting between DTSC, the District and URS representatives on July 7, 2014, the following concerns were to be addressed as part of the PEA:

- Soil sampling and analyses for organochlorine pesticides (OCPs) and arsenic based on historical information which suggests the site was used for row crops between the early 1950s to mid-1960s.
- An inquiry should be made to evaluate whether the identified pipelines in the site vicinity were ever used to carry either unrefined petroleum products or hazardous liquids and/or may have experienced unauthorized releases in the past. Any identified evidence of such release(s) requires further investigation.
- Fill placed on site should be screened for the potential presence of methane gas and analyzed for total organic carbon (TOC) should methane be detected. Areas where the fill is deepest across the site should be targeted for this purpose.
- Identify the site location on the historical topographic maps.

# SECTION ONE

## Introduction

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- Identify the site location on the historical aerial photographs.

### 1.2 SCOPE OF WORK

The scope of work implemented to prepare this PEA and to address the DTSC concerns included:

- Implementing field and laboratory data collection and evaluation to further assess environmental conditions at the site;
- Summarizing the results of URS' report of Pipeline Risk Assessment – La Costa Valley Site, dated August 15, 2014 to address the concerns associated potential hazards associated with the high-pressure conveyance pipelines identified during the Phase I ESA to be within 1,500-foot radial distance of the subject property;
- Annotating the historical topographic maps to identify the approximate location of the subject property on each map;
- Annotating the historical aerial photographs to identify the approximate location of the subject property on each photo; and
- Preparing this PEA report.

#### **Sampling and Analysis Program:**

A sampling and analyses program was implemented to evaluate the potential presence of the target chemical constituents in near-surface and subsurface soils at the site. The PEA sampling program was conducted on September 11 and 12 and October 21, 2014. The scope for the field and laboratory investigation is discussed in Section 6 of this PEA report. Table 1 provides a summary of the sampling and analysis program.

#### **Methane Screening:**

A total of eight borings were drilled from 19.5 to 55 feet below ground surface (bgs). Soil samples were collected at approximately five foot intervals from 5 feet bgs to total depth and screened for methane using a flame ionization detector (FID) with a carbon filter tip. Methane was detected in each boring but not above 45 parts per million (ppm). Because methane was not detected above 500 ppm, analysis total organic carbon was not required. The relatively low levels of methane suggest that methane is not a hazard for the area analyzed.

# SECTION TWO

## Site Description

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### SECTION 2 SITE DESCRIPTION

#### 2.1 SITE IDENTIFICATION INFORMATION

The subject property is an irregular-shaped parcel comprising approximately 28 acres of generally undeveloped land. The property lies along the southern side of Calle Barcelona, which is a main thoroughfare in the residential community of La Costa Valley in Carlsbad, California, and is situated between the intersections of Paseo Aliso to the west and Paseo Avelano to the east (Figures 1 and 2). The parcel is currently owned by the District and is identified under the assessor's parcel number (APN) 255-273-08-00 as provided by the County of San Diego Assessor's Office.

Coastal Community Church occupies the lot directly west of the subject property. To the north, the property is bound by Calle Barcelona. Residential lots border the site to the east and south. Surface topography is generally flat across much of the site with occasional shallow gullies and unpaved narrow trails that cross the parcel. Surface elevations across much of the subject property range from approximately 100 to 168 feet above mean sea level (msl). An approximately 2:1 (horizontal to vertical) westerly descending slope covered with low-growing shrubs separates the eastern half (elevated side) of the parcel from the western half (lower side). The elevated side is approximately 30 feet higher in elevation than the lower side, where the slope separates the eastern from the western portions of the property. A gravel-paved ramp that gently descends from the eastern side of the lot to the west has been constructed near the north-central portion of the site to facilitate pedestrian and vehicle access to both sides of the property. With the exception of some of the perimeter slopes, much of the parcel has been cleared of surface vegetation.

The site perimeter is fenced with two gates which can be accessed from Calle Barcelona. Minor improvements include four desilting basins (two on the elevated portion of the parcel and two on the lower side of the property). The basins are secured by a chain-link fence. Other drainage and flood control measures installed at the site or offsite include concrete-lined brow ditches along the property boundaries and a box culvert and sub-drain system to convey runoff from the south-central portion of the property to the northwest corner of the site.

#### 2.2 SITE GEOLOGY AND HYDROLOGY

The site is underlain by alluvium consisting of sands, silts and clays of Quaternary age and marine and lagoonal deposits of the Eocene Del Mar Formation, and Torrey Sandstone (Kennedy, 1975). The subject property was graded to level the topography in 1999 in preparation for construction of a middle school, but the school was not built and the site has remained vacant to the present.

According to the California Regional Water Quality Control Board (RWQCB) Basin Plan, the site is located within the San Marcos Creek Watershed (RWQCB, 1994). This watershed is listed as having potential agricultural beneficial uses. Other uses cited are for recreational level 1 (contact); recreational level 2 (non-contact); warm water as well as wild habitat beneficial uses.

Surface water flow across the site appears to be generally from east to west and is controlled by concrete-lined brow ditches along the property boundaries and a storm water collection box and a sub-drain system

## SECTION TWO

## Site Description

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to convey runoff from the south-central portion of the property to the northwest corner of the site where it connects to the municipal storm drain system. The sub-drain system runs below ground within a five-foot wide cross-lot drainage easement, as recorded in the land title document.

# SECTION THREE

## Site History and Background Information

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### SECTION 3 SITE HISTORY AND BACKGROUND INFORMATION

#### 3.1 SITE STATUS/HISTORICAL SITE INFORMATION

Available historical documents reviewed by URS dated back to 1893. According to the title records searched, the District purchased the site in 1999 from the Villages of La Costa Southwest, LLC.

Based on review of historical documents available, the site was used for row crop farming between the early 1950s through mid-1960s. In order to obtain information about the type of crop(s) that were grown and potential use of pesticides at the site during this time frame, URS contacted the County of San Diego Department of Agriculture, Weights and Measures, but no readily available records could be retrieved dating back to that time. No on-site permanent structures or other development were observed in the historical aerial photographs or other historical records. A collection of historical aerial photographs reviewed as part of the Phase I ESA and this PEA investigation is provided in Appendix B.

The site topography, as mapped on the U.S. Geological Survey, Encinitas, California, 7½-minute topographic quadrangle map (USGS, 1997) shows a system of low-relief, northwest-southeast trending natural drainages that converged on the downslope side of a west-facing ridge near the central part of the site. These natural drainage channels appear to have meandered along the northeast, northwest and southwest portions of the property until they were filled in as part of site grading activities in 1999.

The subject property was graded to level the topography in 1999 in preparation for construction of a middle school, but the school was not built and the site has remained vacant to the present. An as-graded geologic map of the site, furnished by Geocon, Incorporated (Geocon) indicates that site grading involved filling the low-lying natural drainages and cutting into the claystone/sandstone ridge that cropped out near the center of the site to make a level lot. Based on review of the referenced as-graded geologic map (Figure 4), maximum fill thickness across the site was estimated to be approximately 40 feet but was found to be approximately 46 feet in one boring location. All other borings identified fill thickness to be less than 46 feet.

URS' follow-up e-mail correspondence with Geocon indicated that, in general, the fill soils used at the site were generated during grading of the Arroyo La Costa Southwest. This included the grading work performed for the neighboring Coastline Community Church, Calle Barcelona and the residential development to the north of the site as well as cuts performed onsite on the eastern portion of the site.

According to information obtained from the Office of the Fire Marshall Pipeline Safety Division, a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. These pipelines are reportedly operated and maintained by Kinder Morgan Energy Company. Additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high pressure and located within the same utility corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the subject property. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-Kilovolts (KV) and 138-KV electric transmission line.

## SECTIONFOUR

## Apparent Problem

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### **SECTION 4 APPARENT PROBLEM**

Based on review of historical documents available, the site was used for row crop farming between the early 1950s through mid-1960s. The apparent problem is to evaluate whether the site soils may be potentially impacted with OCPs and arsenic from past agricultural activities at the site. No other media at the site are expected to be impacted. Direct contact with soil, including soil ingestion, dermal contact with soil, and inhalation of soil particulates and volatiles in outdoor air are the potentially complete exposure pathways at the site. Potential future on-site receptors for the site include construction workers and future site visitors who will use the recreational facility once it is fully developed.

Fill materials were used during site grading in 1997. The source and extent of these materials requires further evaluation. As methane has historically been known to accumulate in fill materials due to the decomposition of organic matter, potential presence and concentration of methane in the on-site fill soils should be evaluated.

In addition, the presence of high-pressure pipelines within 1,500 feet of the property may pose a risk to future site occupants and requires further evaluation.



# SECTION FIVE

## Environmental Setting

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### SECTION 5 ENVIRONMENTAL SETTING

#### 5.1 TOPOGRAPHY

The site topography, as mapped on the U.S. Geological Survey, Encinitas, California, 7½-minute topographic quadrangle map (USGS, 1997) shows a system of low-relief, northwest-southeast trending natural drainages that converged on the downslope side of a west-facing ridge near the central part of the site. These natural drainage channels appear to have meandered along the northeast, northwest and southwest portions of the property until they were filled in as part of site grading activities in 1999. A collection of historical topographic maps reviewed as part of the Phase I ESA and this PEA investigation are provided in Appendix C.

The current site topography, as it was reshaped following the completion of site grading in 1999, is generally flat across much of the landscape with occasional shallow drainage gullies and unpaved trails which cross the site in irregular patterns. Surface elevations across much of the flat landscape on the site range from approximately 100 to 168 feet above msl. An approximately 2:1 (horizontal to vertical) westerly descending slope separates the eastern half (elevated side) of the parcel from the western half (lower side). The top side is approximately 30 feet higher in elevation than the bottom side where the slope separates the eastern and western portions of the property. A gravel-paved ramp that gently descends along the slope from the eastern side of the lot provides pedestrian and/or vehicle access to the west side of the parcel.

#### 5.2 SURFACE WATER

The nearest mapped surface water is the Batiquitos Lagoon, located approximately 1.35 miles northwest of the site. The Batiquitos Lagoon is fed primarily by San Marcos and Encinitas Creeks, both of which are a part of the San Marcos Creek Watershed, but is also tidally connected to the Pacific Ocean to the west.

Surface water flow across the site appears to be generally from east to west and is controlled by concrete-lined brow ditches along the property boundaries and a storm water collection box and a sub-drain system to convey runoff from the south-central portion of the property to the northwest corner of the site where it connects to the municipal storm drain system. The sub-drain system runs below ground within a five-foot wide cross-lot drainage easement, as recorded in the land title document.

Surface soils across an area in the southeastern portion of the site were found to be moist to wet at the time of our reconnaissance. This condition is presumably due to water seepage from the west-facing slopes constructed along the site perimeters in this area.

According to the California Regional Water Quality Control Board (RWQCB) Basin Plan, the site is located within the San Marcos Creek Watershed (RWQCB, 1994). This watershed is listed as having potential agricultural beneficial uses. Other uses cited are for recreational level 1 (contact); recreational level 2 (non-contact); warm water as well as wild habitat beneficial uses.

## SECTION FIVE

## Environmental Setting

### 5.3 GEOLOGY AND SOILS

The site is located in the western portion of the Peninsular Ranges geomorphic province of southern California and within the Coastal Plain region of San Diego County. The site is mapped as being primarily underlain at depth by the middle Eocene Santiago Formation and is partially bordered by the middle Eocene Delmar Formation with minor infringement of the Holocene and late Pleistocene alluvial flood plain deposits near the north/north-central portion of the site. According to the information pamphlet accompanying the Geologic Map of the Oceanside 30' x 60' Quadrangle, California, published by the California Geological Survey (CGS) in 2007, the Santiago Formation consists primarily of coarse-grained, poorly sorted arkosic sandstone and conglomerate with greenish-brown claystone interbeds and lenses of fossiliferous lagoonal claystone and siltstone. The Delmar Formation consists primarily of dusky yellowish-green, sandy claystone interbedded with medium-gray, coarse-grained sandstone. The flood-plain deposits consist of poorly consolidated, poorly sorted and permeable flood plain deposits of sandy, silty or clay-bearing alluvium (Kennedy and Tan, 2007). An as-built geologic map prepared by Geocon was furnished to URS for review. This map details the lithologies encountered during site grading in 1999 and depicts the contacts between the Delmar Formation, the alluvium and Torrey Sandstone at the site. The Torrey Sandstone, as described by the CGS, generally consists of white to light-brown, medium to coarse-grained, moderately well indurated, massive and broadly cross-bedded, arkosic sandstone dating back to middle Eocene (Kennedy and Tan, 2007).

According to information obtained from the City of Carlsbad and State of California Department of Conservation (CDC), there are no known active or potentially active faults located within the limits of the City of Carlsbad. No Special Studies Zones, as required by the Alquist-Priolo Geologic Hazards Act, have been delineated within the City by the State Geologist (City of Carlsbad, 2013 and CDC, 2013).

### 5.4 HYDROGEOLOGY

The site is located in the Batiquitos Hydrologic Subarea of the San Marcos Hydrologic Area located within the Carlsbad Hydrologic Unit (RWQCB, 1994). This hydrologic subarea is reported to have designated beneficial uses for municipal, agricultural and industrial purposes (RWCQB, 1994). Based on information obtained from the as-built grading plans provided by Geocon, static groundwater at the site may occur at a depth of approximately 70 feet bgs near the northwestern portion of the site (Geocon, 1999).

According to the EDR report, no groundwater wells were identified on the Federal USGS, Federal Public Water Supply System Information or State Databases within one mile of the site (EDR, 2013).

# SECTION SIX

## Sampling Activities and Results

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### **SECTION 6 SAMPLING ACTIVITIES AND RESULTS**

This section describes methods and results of the soil sampling activities conducted at the site on September 11 and 12 and October 21, 2014. Figures 5 and 6 show the PEA sampling locations. Table 1 provides a summary of the sampling and analysis program for the shallow (0.5, 2.5, and 3.5 feet bgs) soil samples. Eight of the 37 borings were drilled at locations where the deepest engineered fill was expected to be present at the site. These borings ranged in depth from approximately 19.5 feet to 55 feet bgs. Each of these borings were screened for the presence of methane.

#### **6.1 SELECTING SOIL SAMPLING LOCATIONS**

An equal-area rectangular sampling grid was superimposed over the 28-acre project site to identify the location of borings at 38 random locations (later reduced to 37 locations) in accordance with Table 1 in DTSC's Interim Guidance for Sampling Agricultural Properties – Third Revision (DTSC, 2008). A historical grading map provided by Geocon was used to identify eight of the 38 cells that appeared to exhibit the thickest amount of fill. One boring was placed in each of these eight cells. The other 30 boring locations were placed randomly, one in each cell, using a random number generator. The location of each boring was identified in the field and visibly marked using a survey flag based on its corresponding reference coordinates that were pre-loaded onto a portable Global Positioning System (GPS) with sub-meter accuracy.

#### **6.2 UTILITY CLEARANCE AND FIELD MOBILIZATION**

Underground utility locating was conducted prior to the field investigation to identify the possible presence of underground utility lines in the vicinity of the proposed borings. A utility location survey was conducted by Southwest Geophysics. Underground Service Alert (USA) was also notified at least 48 hours in advance of field investigation activities as required by law. USA notified utilities of record to mark the locations of subsurface utilities in the vicinity of the proposed borings.

#### **6.3 BORING PERMITS**

To comply with the County of San Diego Department of Environmental Health (DEH) Site Assessment and Mitigation Program Well Permits Requirements, URS applied for and obtained a boring permit (DEH Permit No. LMWP-001276) for six borings on September 9, 2014. During field activities, a seventh boring was drilled deeper than 20 feet bgs to evaluate fill thickness and required permitting. On September 15, 2014, additional payment was made to the DEH to add the seventh boring to the existing permit. The DEH permit and email correspondence indicating approval of the seventh boring is included in Appendix D.

#### **6.4 SOIL SAMPLING AND METHANE SCREENING PROCEDURES**

The following sections describe procedures used to collect representative soil samples and screen for methane in shallow and deep borings drilled at the site.

## SECTION SIX

## Sampling Activities and Results

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### 6.4.1 Soil Sampling – Shallow Borings Program

Soil samples were collected from 37 locations throughout the site to address the potential presence of arsenic and OCPs in soil associated with historical agricultural site use and/or import of fill. Sampling was conducted in general accordance with the guidelines provided by the DTSC in Interim Guidance for Sampling Agricultural Properties (Third Revision) (DTSC, 2008), PEA Guidance Manual (DTSC, 2013) and DEH Site Assessment and Mitigation (SAM) Manual (DEH, 2014).

A total of 20 composite soil samples (plus two duplicates) were analyzed for OCPs by EPA Method 8081A. Ten discrete soil samples (plus two duplicates) were analyzed for arsenic by EPA Method 6010B. As requested by DTSC, 14 discrete step-out samples and three discrete step-down samples were analyzed for arsenic by EPA Method 6010B. The sampling locations are shown on Figures 2 and 3. A summary of the sampling plan is included as Table 1. The scope of work for this PEA sampling program is described in the following subsections.

### 6.4.2 Sampling Methods and Procedures

Shallow soil sampling was conducted using either a stainless-steel hand auger, a truck-mounted direct-push drill rig (Stratoprobe™), or continuous core barrel attached to a hollow-stem auger drill rig. A stainless-steel hand auger was used to collect soil samples from borings B-34 and B-38 located on the hillside while the deeper borings B-1 through B-8 were drilled with a hollow stem-auger rig and sampled with a continuous core barrel. The rest of the borings were sampled using a Stratoprobe™ rig equipped with 2.25-inch diameter rods lined with acetate sleeves. Shallow soil samples throughout the site were collected at 0.5 and 2.5 feet bgs.

During hand auger and drilling activities, a URS Professional Geologist (PG) logged the borings in accordance with the Unified Soil Classification System (USCS) ASTM-2488D. Boring logs describing the lithologies encountered are attached in Appendix D.

Grab samples from the hand auger and continuous core barrel were placed in new glass jars. Soil samples collected in acetate sleeves were cut at the specific depth and capped on both ends with Teflon™ and plastic end caps. The outside of each sample container was marked with a label identifying the boring location, sampler's name, date and time of sampling, and depth interval represented. The samples were temporarily stored inside coolers filled with ice to maintain them at 4° Celsius or below while in transit to Eurofins, a state-certified laboratory in Garden Grove, California, under a standard chain-of-custody procedures.

## SECTION SIX

## Sampling Activities and Results

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### **6.5 SOIL SAMPLING AND METHANE SCREENING PROCEDURES – DEEP BORINGS**

#### **6.5.1 Soil Sampling, Methods and Procedures**

Soil samples from borings B-1 through B-8 were collected using a 5-foot long continuous core barrel placed inside the hollow-stem augers. Continuous sampling of the boring allowed for full inspection of the lithology and identification of any black-colored organic layers. Soil samples were grabbed from the continuous core barrel at approximately 5 foot intervals or zones of suspected high organic content and placed in resealable plastic bags and disaggregated. Headspace was allowed to accumulate for at least five minutes before the FID probe was inserted into the bag. The FID, equipped with a carbon filter, measured the methane content, which was then recorded on the boring logs.

### **6.6 QUALITY CONTROL SAMPLING PROCEDURES**

Field quality control samples associated with the PEA sampling program included the collection and analysis of duplicate soil samples and equipment rinsate blanks. The field Quality Assurance/Quality Control (QA/QC) sampling was performed in accordance with the DTSC PEA Guidance Manual (DTSC, 2013).

### **6.7 DECONTAMINATION PROCEDURES**

Field sampling equipment that came into contact with soil was decontaminated prior to and in between each sampling event to reduce the likelihood of cross-contamination. The direct-push rods and hand auger was decontaminated by washing with phosphate-free detergent and rinsing twice with deionized water. Hollow-stem augers and the continuous core barrel were decontaminated by steam-cleaning prior to the start of drilling and in between each boring and sampling collection.

### **6.8 INVESTIGATIVE-DERIVED WASTE MANAGEMENT**

The shallow borings were backfilled with native material and cuttings. Soil from the eight deeper borings were placed in 55-gallon drums and stored until DTSC concurred that the cuttings were non-hazardous and could be returned to the ground surface on the subject property. Following receipt of approval from DTSC, the soil cuttings were spread evenly across the upper field.

### **6.9 FIELD VARIANCES**

Several borings were moved after DTSC requested that the borings be more equally-spaced across the site. Borings B-9, B-10, B-12, B-14, and B-23 were moved approximately 30 to 70 feet within the cells of the original sampling grid. Boring B-5 was moved approximately 70 feet east due to a large underground storm water culvert. At the request of DTSC, boring B-37 was removed from the scope of work. The DTSC decided that nearby borings would adequately characterize that sampling grid located in the southeast corner of the property.

## SECTION SIX

## Sampling Activities and Results

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### 6.10 ANALYTICAL RESULTS

OCP and arsenic results in soil are summarized in Tables 2 and 3, respectively. Laboratory analytical reports and chain-of-custody forms are provided in Appendix E.

### 6.11 DISCUSSION OF RESULTS

#### 6.11.1 Soil Description

The soils encountered and collected during the investigation consisted of sandy silt, silty sand and poorly graded sand with silt. No odors were observed by the field geologist. Fill soil was encountered in each of the borings at the site and generally ranged in thickness from approximately 1 foot (as ground cover to level the surface topography following excavation and grading of high points) to 46 feet (in the areas where former natural drainages and canyons were filled during site grading) at the investigation locations. Fill thickness as encountered in the investigation borings generally corresponded closely with the information which was made available from the review of site grading plans (Geocon, 1999).

Based on visual evaluations of the near-surface and subsurface materials during the PEA field investigation, the fill material appeared to have the characteristics of the Del Mar Formation and Quaternary Alluvium. In general, fill/native soil transitions were identified in each boring based on visual evaluation of undisturbed soil core samples. This was accomplished by observing the cores for the presence or absence of plant matter, mottling, stiffness or density of materials encountered during drilling and sampling (blow counts) combined with visual evaluation of the drill cuttings as they were generated while drilling each boring.

#### 6.11.2 Soil Results

##### 6.11.2.1 Organochlorine Pesticides

OCP were analyzed by EPA Method 8081A and none were detected in soil samples at concentrations above the laboratory reporting limits. Table 2 presents a summary of the OCP results.

##### 6.11.2.2 Arsenic

Ten discrete soil samples collected laterally throughout the area from depths of 0.5 or 2.5 feet bgs were analyzed for arsenic by EPA Method 6010B. Arsenic concentrations in the ten discrete samples ranged from 1.51 to 17.7 milligrams per kilogram (mg/kg). From this sample group, samples B-22-2.5 and B-33-2.5 were reported with arsenic concentrations marginally above the background value of 12 mg/kg. As requested by DTSC, 14 additional soil samples from step-out locations near soil borings B-22 and B-33 were analyzed for arsenic. Arsenic concentrations from this group of samples ranged from 0.840 to 14.60 mg/kg. Only one soil sample (B-38-2.5) from this group was reported with arsenic concentration that marginally exceeded background. At the request of DTSC, three step-down soil samples from borings B-22, B-33, and B-38 were collected at approximately 3.5 feet bgs. Arsenic concentrations in this group of samples ranged from 1.95 to 6.47 mg/kg. Table 3 and Figure 6 present a summary of the arsenic results.

## SECTION SIX

## Sampling Activities and Results

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The three soil samples with arsenic concentrations above 12 mg/kg are considered outliers. Therefore arsenic in soil at the site does not appear to be associated with the past agricultural activities and is more likely naturally occurring and associated with the native soil properties on site.

### 6.11.2.3 Methane and Total Organic Carbon

Methane was detected in each of the deep borings (B-1 through B-8) and recorded on each boring log. Methane concentrations ranged from non-detectable to a maximum of 45 ppm which was measured in boring B-6 for a sample collected at approximately 18 feet bgs. The highest methane concentration detected in this investigation is well below the 500 ppm threshold established in the PEA work plan. Because methane was not detected above 500 ppm, analysis for total organic carbon was not required as per the PEA work plan. The relatively low methane concentrations suggest that this potential hazard is not likely to be present at the site, and therefore, requires no further investigation at this time.

# SECTION SEVEN

## Human Health Screening Evaluation

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### SECTION 7 HUMAN HEALTH SCREENING EVALUATION

Analysis of representative soil samples collected from the site for target chemicals of potential concern (COPCs) including OCPs and arsenic indicated that no such COPCs are present at concentrations above their respective laboratory-specified reporting limits. As such, in the absence of any detected COPCs, a human health screening evaluation was not warranted and therefore was not conducted as part of this PEA.

To address the potential risks associated with the pipelines identified within 1,500 feet of the site during the Phase I ESA, URS conducted a pipeline risk assessment. This risk assessment was performed in general conformance with the California Department of Education (CDE) safety analysis requirements as outlined in the California Education Code 17213; Public Resources Code 21151.8; and 5 California Code of Regulations 14010 (h).

The purpose of the pipeline risk assessment was to estimate a numerical value for the safety risk of a gas or hazardous liquid pipeline failure within 1,500 feet of any site proposed for school-related development and for comparison of the estimated risk with criteria recommended by CDE.

Two pipelines of concern are addressed in the referenced assessment: one high-pressure natural gas pipeline, owned and operated by the San Diego Gas & Electric Company (SDG&E), which runs north-south along El Camino Real and one high-pressure liquid refined petroleum product pipeline, owned and operated by Kinder Morgan Energy Partners, L.P. is situated to the west of the site. A map of the area illustrating the site boundaries as well as the area within a 1,500-foot radial distance from the site property boundaries, the pipelines of concern, and their respective segment lengths (within a 1,500-foot radial distance from the site property boundaries) is included as Figure 7.

Interviews conducted by URS with the pipeline owners/operators did not reveal past documented incidents involving unauthorized release of hazardous substances from the subject pipelines.

The results of the pipeline risk assessment for the proposed La Costa Valley Site indicated that the pipelines identified within the 1,500-foot radial distance from the site property boundaries have very low likelihood of posing a significant risk to the future site occupants and meet the acceptable risk criteria established by the CDE. This is based on applicable and relevant risk model input parameters used in conjunction with the current understanding of the future site use. As such, no further risk assessment or evaluations are recommended at this time. Additional details of the pipeline risk assessment are provided in a URS draft document titled, *Pipeline Risk Assessment – La Costa Valley Site, Carlsbad, California*, dated September 4, 2014. A copy of this document was submitted to the CDE for review and comments.



## SECTION EIGHT

## Ecological Screening Evaluation

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### **SECTION 8 ECOLOGICAL SCREENING EVALUATION**

Analysis of representative soil samples collected from the site for target COPCs including OCPs and arsenic indicated that no such COPCs are present at concentrations above their respective laboratory-specified reporting limits. As such, in the absence of any detected COPCs, an ecological screening evaluation was not warranted and therefore was not conducted as part of this PEA.

# SECTION NINE

## QA/QC Implementation

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### SECTION 9 QA/QC IMPLEMENTATION

#### 9.1 FIELD QUALITY CONTROL

Field quality control samples associated with the PEA sampling program included the collection and analysis of duplicate soil samples and equipment rinsate blanks as planned in the PEA work plan and approved by the DTSC. The field QA/QC sampling was performed in accordance with the DTSC PEA Guidance Manual (DTSC, 2013).

Field sampling equipment that came into contact with soil was decontaminated prior to and in between each sampling event to reduce the likelihood of cross-contamination. The direct push rods and hand auger was decontaminated by washing with phosphate-free detergent and rinsing twice with deionized water. Hollow-stem augers and the continuous core barrel were decontaminated by steam-cleaning prior to the start of drilling and in between each boring and sampling collection.

#### 9.2 DATA VALIDATION

The analytical data collected as part of this PEA were reviewed in accordance with URS Standard Operating Procedures, and the principles presented in *USEPA CLP National Functional Guidelines for Superfund Organics Methods Data Review* (EPA 2008, 2014), and *USEPA National Functional Guidelines for Laboratory Data Review, Inorganics* (EPA 2010, 2014).

The results of the data validation indicate that the samples were analyzed as requested and the holding times were met. No data were qualified. Overall, based on the limited validation covering the QA/QC parameters used, the data were found to be useable for their intended purpose.

The analytical data validation report is provided in Appendix F.

## SECTION TEN

## HASP Implementation

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### SECTION 10 HASP IMPLEMENTATION

URS prepared a site-specific health and safety plan (HASP) pursuant to federal and state regulations, including CA Health and Safety Code Section 1910.120. The HASP addressed the following:

- Identification and description of potentially hazardous substances that could be encountered during field operations;
- Safe work practices, especially around heavy equipment (i.e., drill rig, support trucks, etc.);
- Appropriate PPE and clothing for site activities; and
- Measures that need to be taken in the event of an emergency.

URS field personnel and subcontractor personnel reviewed the HASP prior to commencing field work. Prior to initiation of field activities each day, a site safety briefing was conducted to identify potential physical and chemical hazards and measures to be taken in event of an emergency.

On-site personnel were required to sign the site safety briefing form and medical emergency contact sheet. During field activities, personnel within the exclusion zone wore appropriate modified level D personal protective equipment.

**SECTION 11 COMMUNITY PROFILE**

As part of the required public notification process, prior to the implementation of the PEA field work, a flyer was prepared which contained information about the nature and extent of the PEA field activities and the dates during which the field work was anticipated. The fliers were prepared in two languages (English and Spanish) and were distributed by mail to local residents and businesses immediately adjoining the site.

A copy of this PEA report will be made available for public review and comments for a period of 30 days from the date of publication. Comments from the general public, if received in writing during the 30-day review period, will be addressed accordingly.

## SECTION TWELVE

## Conclusions and Recommendations

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### **SECTION 12 CONCLUSIONS AND RECOMMENDATIONS**

The results of this PEA investigation indicate that COPCs including OCPs and arsenic are not present at concentrations likely to pose an unacceptable risk to the future site workers and occupants. Similarly, no ecological risks are likely to be posed since arsenic represents background and no OCPs were detected.

The nature and extent of fill materials at the site were evaluated by a series of shallow and deep investigation borings. The deep borings were placed across those areas of the site where the greatest fill thickness was expected based on review of available site grading plans. The purpose of this evaluation was to check for the possible presence of methane, which has been known to accumulate in fill materials as a result of biodegradation of organic matter. No methane was detected at concentrations above 45 ppm. The maximum methane detected at the site is well below 500 ppm, which is the threshold concentration established for the site in the DTSC-approved PEA work plan.

Two high-pressure pipelines of concern were identified to be within 1,500 feet of the school property during the Phase I ESA: one high-pressure natural gas pipeline, owned and operated by the SDG&E, which runs north-south along El Camino Real and one high-pressure liquid refined petroleum product pipeline, owned and operated by Kinder Morgan Energy Partners, L.P. is situated to the west of the site.

Interviews conducted by URS with the pipeline owners/operators did not reveal past documented incidents involving unauthorized release of hazardous substances from the subject pipelines.

The results of the pipeline risk assessment for the proposed La Costa Valley Site indicated that the pipelines identified within the 1,500-foot radial distance from the site property boundaries have very low likelihood of posing a significant risk to the future site occupants and meet the acceptable risk criteria established by the CDE. This is based on applicable and relevant risk model input parameters used in conjunction with the current understanding of the future site use. As such, no further risk assessment or evaluations are recommended at this time.

Based on the results of assessments conducted during this PEA, no further environmental investigation work is recommended for the site.

# SECTION THIRTEEN

## References

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### SECTION 13 REFERENCES

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## Tables

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**Table 1**  
**Composite Sample Identification and Summary of Soil Sampling**  
**La Costa Valley Site**  
**Carlsbad, California**

Boring ID*	Depth (feet bgs)	Discrete Samples	Composite for OCPs (EPA 8081)	Composite DUP	Randomly Selected Discrete for Arsenic (EPA 6010B)	Step-out Discrete for Arsenic (EPA 6010B)	Step-down Discrete for Arsenic (EPA 6010B)	Discrete DUP
B-1, B-2, and B-17	0.5	3	C1	--	B-17-0.5	--	--	DUP 1
	2.5	3	C2	--	--	--	--	--
B-3, B-9, B-10, and B-11	0.5	4	C3	--	--	--	--	--
	2.5	4	C4	--	B-9-2.5	--	--	--
B-6, B-12, B-13, and B-14	0.5	4	C5	--	B-12-0.5	--	--	--
	2.5	4	C6	--	--	--	--	--
B-7, B-15, B-16, and B-25	0.5	4	C7	--	--	--	--	--
	2.5	4	C8	--	B-25-2.5	--	--	--
B-4, B-5, B-26, and B-27	0.5	4	C9	DUP 2	--	--	--	--
	2.5	4	C10	--	--	--	--	--
B-18, B-19, and B-20	0.5	3	C11	--	B-18-0.5	--	--	--
	2.5	3	C12	--	--	--	--	--
B-21, B-22, B-23, and B-24	0.5	4	C13	--	--	B-21-0.5 & 2.5	--	--
	2.5	4	C14	--	B-22-2.5	B-23-0.5 & 2.5	B-22-3.5	DUP 3
B-8, B-28, B-29, and B-30	0.5	4	C15	--	B-28-0.5	--	--	--
	2.5	4	C16	--	B-29-2.5	B-30-0.5 & 2.5	--	--
B-31, B-35, B-36, and B-37	0.5	4	C17	--	B-31-0.5	--	--	--
	2.5	4	C18	--	--	--	--	--
B-32, B-33, B-34, and B-38	0.5	4	C19	--	B-33-2.5	B-32/33-0.5 & 2.5	B-33-3.5	--
	2.5	4	C20	DUP 4	--	B-34/38-0.5 & 2.5	B-38-3.5	--
<b>Total Samples:</b>		76	20	2	10	14	3	2

**Notes:**

OCPs: Organochlorine Pesticides

DUP: Duplicate sample

- 1) Equipment blanks were collected at a frequency of one per day per sampling equipment
- 2) Methane screening was performed using a direct reading instrument (FID) from deep borings B-1 through B-8 at approximately 5-foot intervals
- 3) Continuous core barrel samples to be collected for identification of fill/native soil transition

\*: Refer to Figures 5 and 6 for boring locations



**Table 2**  
**Summary of Analytical Laboratory Results**  
**Organochlorine Pesticides in Soil (EPA Method 8081A)**  
**La Costa Valley Site**  
**Carlsbad, California**

Organochlorine Pesticide Chemical Constituent	COMPOSITE SOIL SAMPLE PREPARED FROM 3 TO 4 ADJOINING BORING LOCATIONS AS SPECIFIED																				Maximum Detected Concentration (mg/kg)	
	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20		
Aldrin	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	
Alpha-BHC	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Beta-BHC	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Chlordane	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.050	<0.050	<0.050	<0.050	--
2,4'-DDD	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.050	<0.050	<0.050	<0.050	--
4,4'-DDD	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
4,4'-DDE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
2,4'-DDE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
2,4'-DDT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
4,4'-DDT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Delta-BHC	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Dieldrin	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Endosulfan I	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Endosulfan II	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Endosulfan Sulfate	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Endrin	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Endrin Aldehyde	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Endrin Ketone	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Gamma-BHC	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Heptachlor	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Heptachlor Epoxide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Methoxychlor	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Toxaphene	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	--

Notes:

Measurement Units: All concentrations reported are in milligrams per kilogram (mg/kg)

Results shown in **bold** font indicate detection above laboratory-specified reporting limits

Soil Sample ID: Represents near surface soil sample location and approximate depth in feet below ground surface

BHC: hexachlorocyclohexane

"--" = not detected in any sample

\* Concentration exceeds the calibration range

**Table 3**  
**Summary of Analytical Laboratory Results**  
**Arsenic in Soil (EPA Method 6010)**  
**La Costa Valley Site**  
**Carlsbad, California**

Chemical Constituent	SOIL SAMPLE ID - DEPTH IN FEET BELOW GROUND SURFACE																											BACKGROUND <sup>a</sup>
	10 Randomly Selected Locations for Arsenic Evaluation										Step-out Locations												Step-down Locations					
	B-17-0.5	B-9-2.5	B-12-0.5	B-25-2.5	B-18-0.5	B-22-2.5	B-28-0.5	B-29-2.5	B-31-0.5	B-33-2.5	B-22-0.5	B-33-0.5	B-21-0.5	B-21-2.5	B-23-0.5	B-23-2.5	B-30-0.5	B-30-2.5	B-32-0.5	B-32-2.5	B-34-0.5	B-34-2.5	B-38-0.5	B-38-2.5	B-22-3.5	B-33-3.5	B-38-3.5	
Arsenic	5.52	11.8	1.51	4.45	6.83	15.7	9.04	4.90	5.23	<b>17.7</b>	5.99	0.840	4.12	6.93	11.5	4.73	6.82	8.82	5.94	1.02	8.43	2.29	9.24	<b>14.6</b>	6.38	6.47	1.95	12

Notes:

Measurement Units: All concentrations reported are in milligrams per kilogram (mg/kg)

Soil Sample ID: Represents soil sample location and approximate depth in feet below ground surface

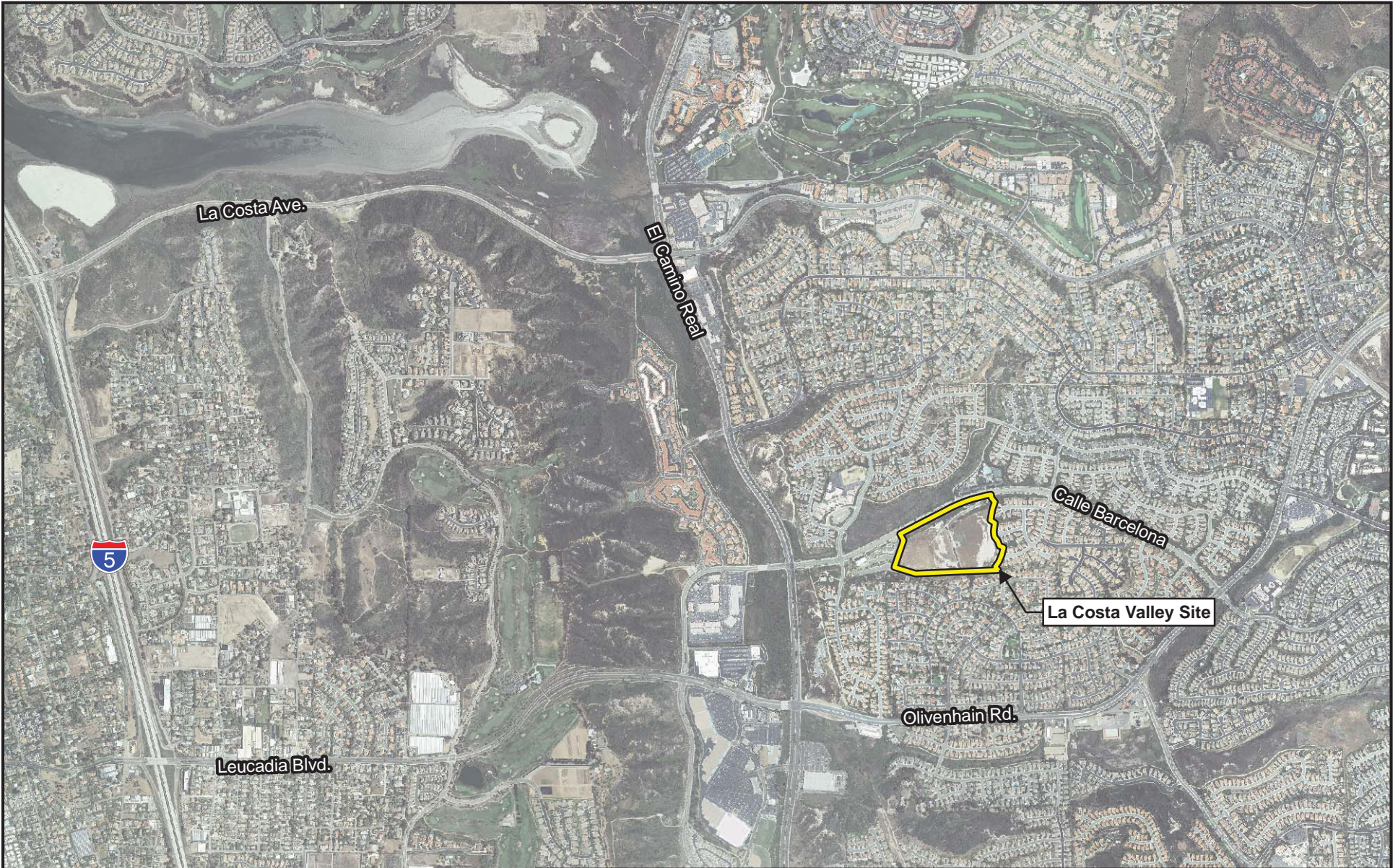
<sup>a</sup> Background arsenic concentration from "Determination of a Southern California Regional Background Arsenic Concentration in Soil" by G. Chernoff, W. Boson and C. Oudiz - California DTSC, March 2008.

Arsenic values above 12 mg/kg **bolded**

## Figures

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Path: G:\gis\projects\157727653117\map\_docs\msd\Site\_Vicinity.mxd, paul\_morano, 12/16/2013, 1:25:56 PM



SOURCES: Roads, Parcels, Aerial Imagery  
(SanGIS, 2012).



1000 0 1000 2000 Feet  
SCALE: 1" = 2000' (1:24,000)  
SCALE CORRECT WHEN PRINTED AT 8.5X11

SITE VICINITY  
LA COSTA VALLEY SITE  
CARLSBAD, CA

CREATED BY: DT

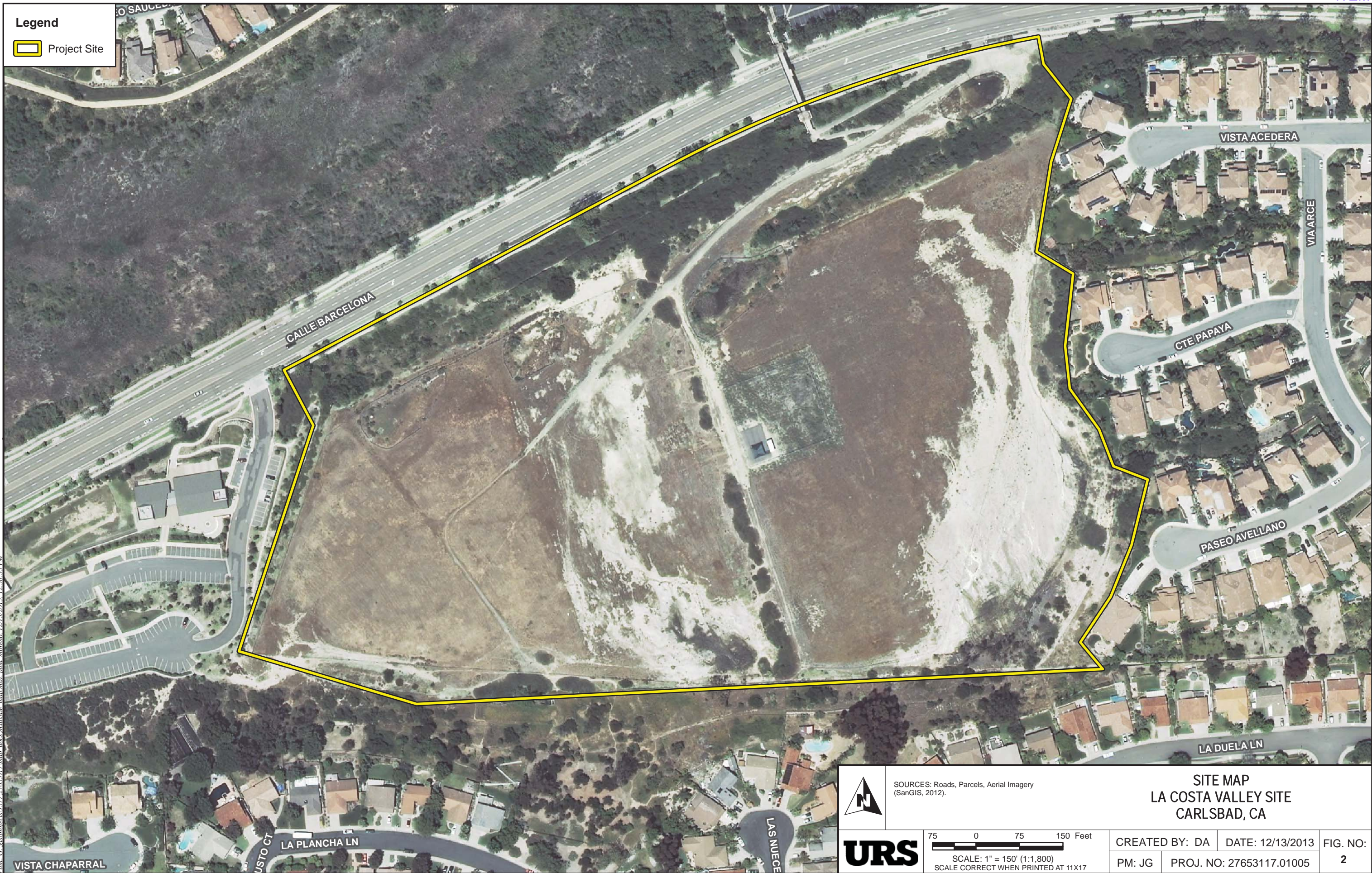
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FIG. NO:

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PROJ. NO: 27653117.01005

1

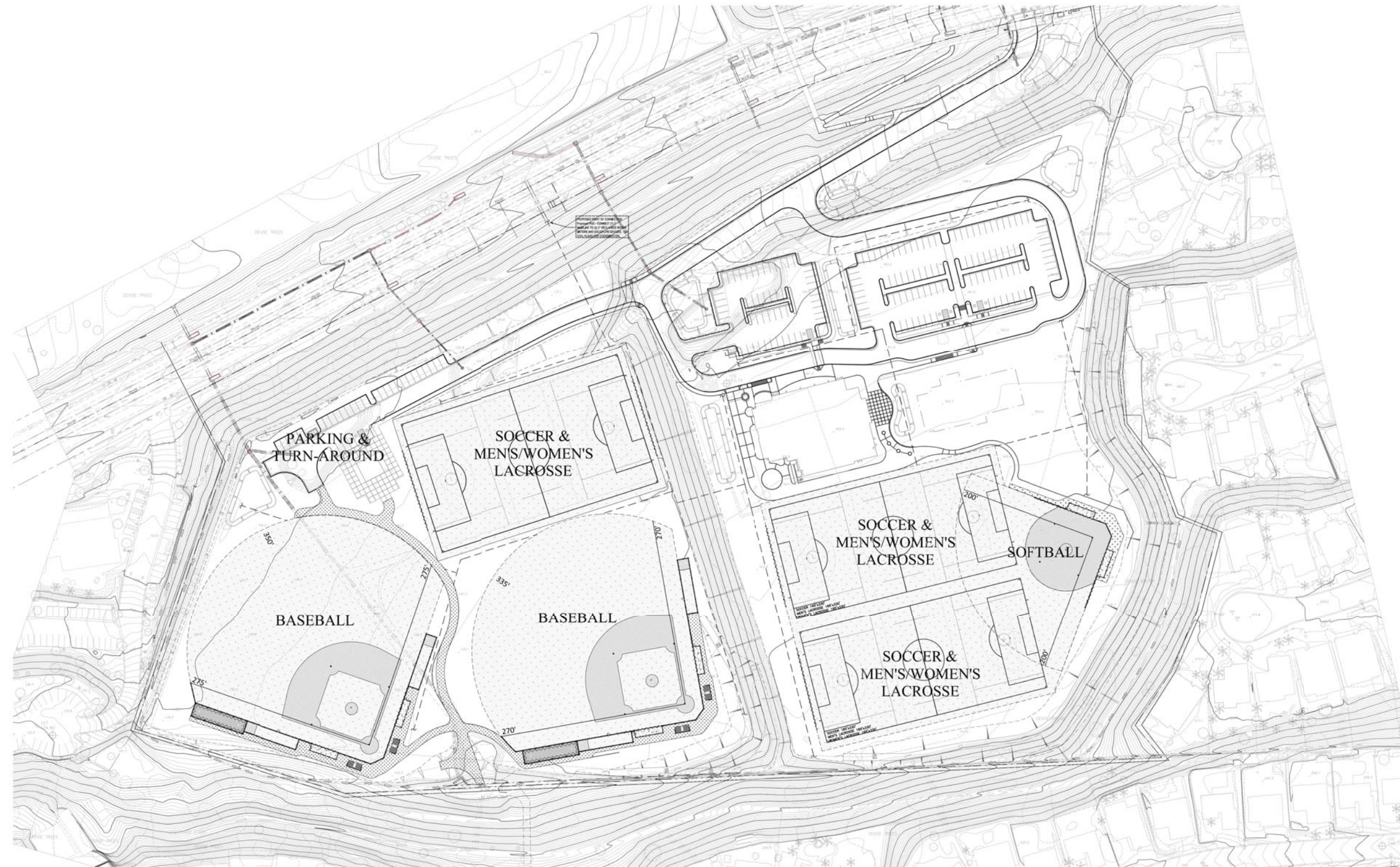


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**Legend**  
Project Site

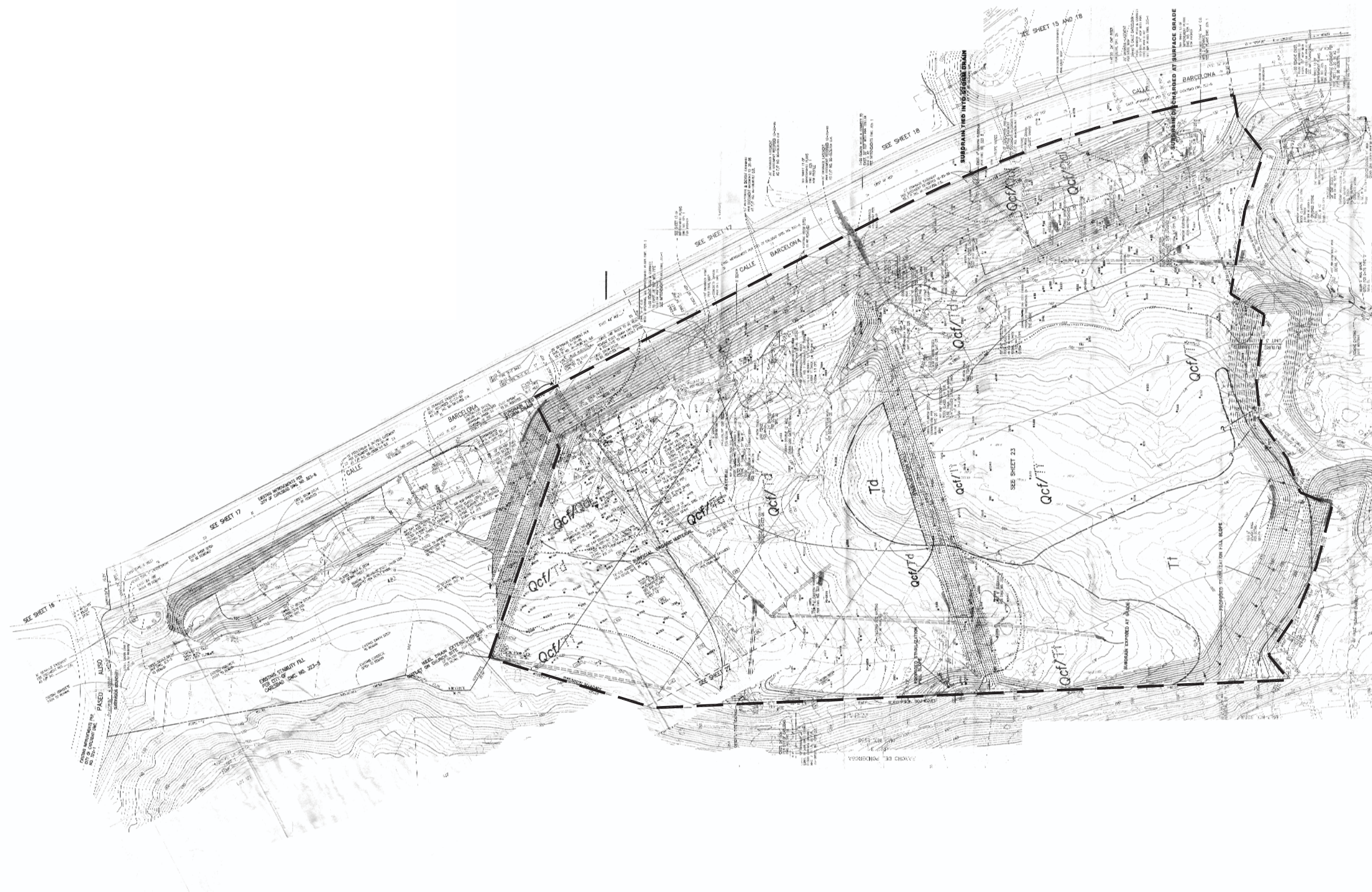
 SOURCES: Roads, Parcels, Aerial Imagery (SanGIS, 2012).	<b>SITE MAP</b> <b>LA COSTA VALLEY SITE</b> <b>CARLSBAD, CA</b>		
	 SCALE: 1" = 150' (1:1,800) SCALE CORRECT WHEN PRINTED AT 11X17	CREATED BY: DA PM: JG	DATE: 12/13/2013 PROJ. NO: 27653117.01005








REFERENCE: As-Graded Geologic Map, Arroyo La Costa Junior High School, Carlsbad California", Sheets 21, 22 and 23. Prepared for City of Carlsbad by Geocon, Inc., dated 03-24-99.

 	<b>PROPOSED SITE DEVELOPMENT MAP</b> <b>LA COSTA VALLEY SITE, CARLSBAD, CALIFORNIA</b>		CHECKED BY:	DATE: 11-14-14	FIG. NO:
	 SCALE: 1" = 160'		PM: MK	PROJ. NO: 27654194.02000	<b>3</b>



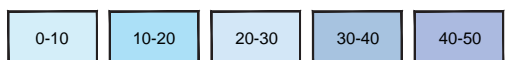
REFERENCE: As-Graded Geologic Map, Arroyo La Costa Junior High School, Carlsbad California", Sheets 21, 22 and 23. Prepared for City of Carlsbad by Geocon, Inc., dated 03-24-99.

 	 SCALE: 1" = 200'	<b>AS-GRADED MAP</b>		FIG. NO: <b>4</b>
		<b>LA COSTA VALLEY SITE, CARLSBAD, CALIFORNIA</b>		
		CHECKED BY: MK	DATE: 08-19-14	
		PM: MK	PROJ. NO: 27654194.02000	

**LEGEND**

— PROJECT SITE BOUNDARY

APPROXIMATE FILL THICKNESS (FEET)



NOTE: SOME AREAS NEAR OR ALONG CUT SLOPES ARE INDICATED TO HAVE RECEIVED MINOR QUANTITIES OF FILL FOR STABILIZATION AND ARE NOT SHADED AS PART OF THIS PRESENTATION.



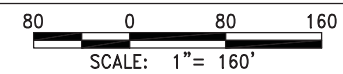
● APPROXIMATE LOCATION OF DEEP BORING (B-1 THRU B-8)

■ APPROXIMATE LOCATION OF SHALLOW BORING (B-9 THRU B-36 & B-38)

**GENERAL NOTES:**

- BORINGS B-1 THRU B-36 & B-38 WERE SAMPLED FOR ARSENIC AND ORGANOCHLORINE PESTICIDES
- BORINGS B-1 THRU B-8 WERE SCREENED FOR METHANE



 	<b>FILL DISTRIBUTION AND SAMPLING LOCATION MAP</b> <b>LA COSTA VALLEY SITE</b>		CHECKED BY:	DATE: 11-14-14	FIG. NO:
			PM: MK	PROJ. NO: 27654194.02000	<b>5</b>

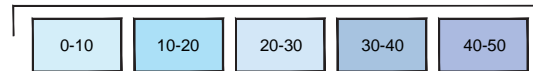
REFERENCE: As-Graded Geologic Map, Arroyo La Costa Junior High School, Carlsbad California, Sheets 21, 22 and 23. Prepared for City of Carlsbad by Geocon, Inc., dated 03-24-99.



**LEGEND**

PROJECT SITE BOUNDARY

APPROXIMATE FILL THICKNESS (FEET)



NOTE: SOME AREAS NEAR OR ALONG CUT SLOPES ARE INDICATED TO HAVE RECEIVED MINOR QUANTITIES OF FILL FOR STABILIZATION AND ARE NOT SHADED AS PART OF THIS PRESENTATION.

APPROXIMATE LOCATION OF DEEP BORING (B-1 THRU B-8)

APPROXIMATE LOCATION OF SHALLOW BORING (B-9 THRU B-36 & B-38)

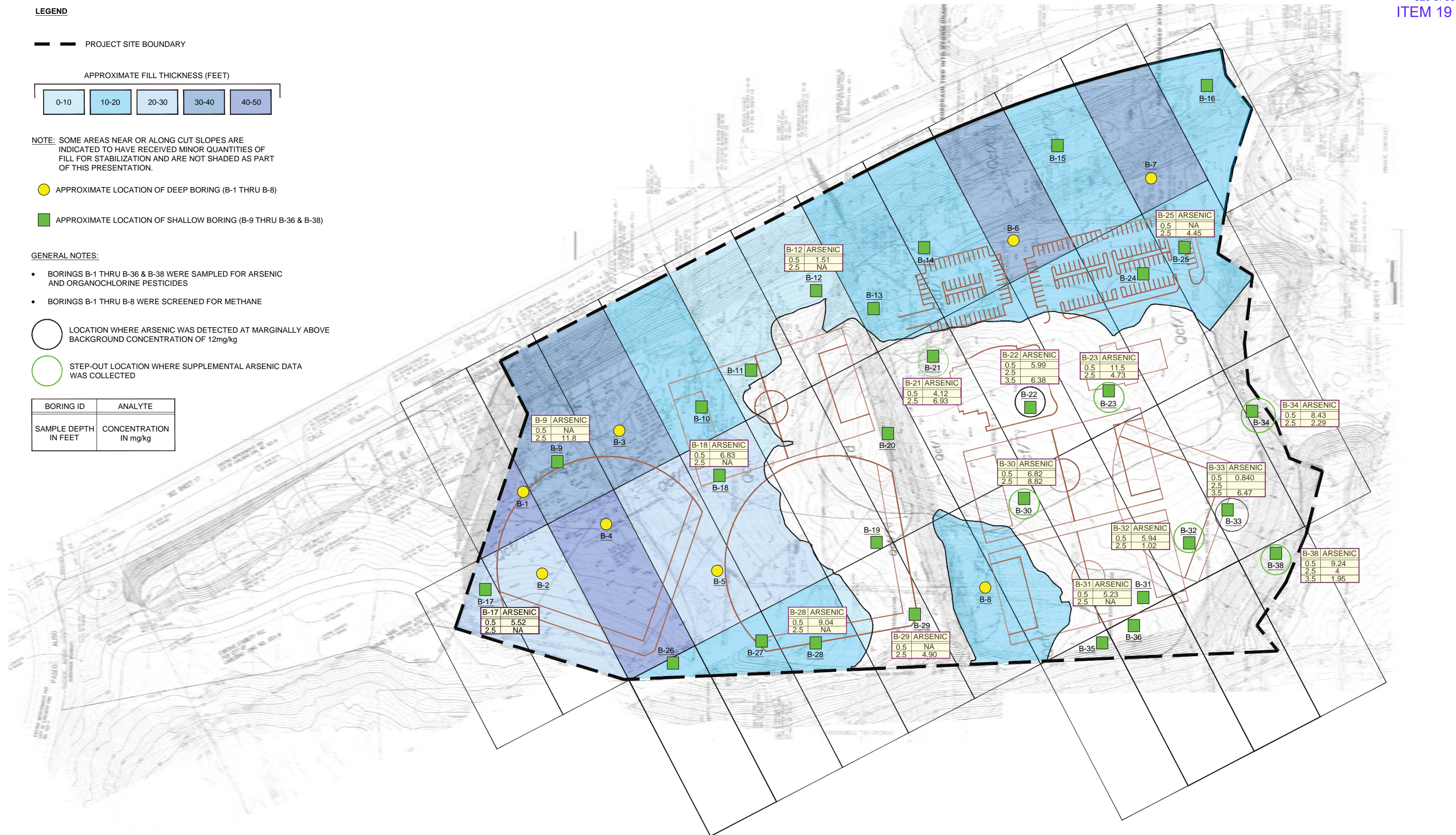
**GENERAL NOTES:**

- BORINGS B-1 THRU B-36 & B-38 WERE SAMPLED FOR ARSENIC AND ORGANOCHLORINE PESTICIDES
- BORINGS B-1 THRU B-8 WERE SCREENED FOR METHANE

LOCATION WHERE ARSENIC WAS DETECTED AT MARGINALLY ABOVE BACKGROUND CONCENTRATION OF 12mg/kg

STEP-OUT LOCATION WHERE SUPPLEMENTAL ARSENIC DATA WAS COLLECTED

BORING ID	ANALYTE
SAMPLE DEPTH IN FEET	CONCENTRATION IN mg/kg



REFERENCE: As-Graded Geologic Map, Arroyo La Costa Junior High School, Carlsbad California, Sheets 21, 22 and 23. Prepared for City of Carlsbad by Geocon, Inc., dated 03-24-99.

**URS**

**ARSENIC DISTRIBUTION MAP  
LA COSTA VALLEY SITE**

CHECKED BY:	DATE: 11-11-14	FIG. NO:
PM: MK	PROJ. NO: 27654194.02000	

Path: C:\gis\projects\157727700019\map\_docs\mxd\CostaValde\_Site\_Zone\_Boundaries\_Buffers.mxd, 06/11/14, Gabar Nagy



**LEGEND**

- ..... High-Pressure Liquid Refined Petroleum Products Pipeline Within 1,500-foot Risk Evaluation Zone
- ..... High-Pressure Natural Gas Pipeline Within 1,500-foot Risk Evaluation Zone
- - - - - Site Boundary
- 1,500-foot Zone



SOURCES:  
Natural Gas Pipeline (SDG&E 2014)  
Petroleum Pipeline (KinderMorgan 2014)  
Imagery (Esri, DigitalGlobe, 2014)



350 0 350 700 Feet

SCALE: 1" = 700' (1:8,400)  
SCALE CORRECT WHEN PRINTED AT 8.5X11

**PIPELINES OF CONCERN  
LA COSTA VALLEY SITE  
CARLSBAD, CALIFORNIA**

CHECKED BY: JAY

DATE: 9/4/2014

PM: DN

PROJ. NO: 27654194

FIGURE

7

# APPENDIX A

Phase 1 ESA

---

R E P O R T

PHASE I ENVIRONMENTAL SITE ASSESSMENT  
LA COSTA VALLEY SITE  
CARLSBAD, CALIFORNIA

Prepared for

San Dieguito Union High School District  
684 Requeza Street  
Encinitas, California 92024

URS Project No. 27653117



---

Massoud Karimi, PG  
Senior Project Geologist

December 18, 2013

**URS**

4225 Executive Square, Suite 1600  
La Jolla, CA 92037  
858.812.9292 Fax: 858.812.9293



December 18, 2013

Mr. John Addleman  
Director of Planning Services  
San Dieguito Union High School District  
684 Requeza Street  
Encinitas, California 92024

Subject: Phase I Environmental Site Assessment Report  
La Costa Valley Site  
Carlsbad, California 92009  
URS Project No. 27653117.01005

Dear Mr. Addleman:

URS Corporation Americas (URS) is pleased to submit this Phase I Environmental Site Assessment for the above-referenced site. This project was implemented in accordance with our approved proposal, dated April 12, 2013 and as amended on August 23, 2013. We appreciate the opportunity to provide environmental services to San Dieguito Union High School District. Please contact us at 858-812-9292 if you have any questions or require further assistance.

Sincerely,

URS CORPORATION

A handwritten signature in black ink that reads "Massoud Karimi". The signature is written in a cursive, flowing style.

Massoud Karimi, PG  
Senior Project Geologist

MK/RKS:kl

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## List of Acronyms and Abbreviations

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AAI	All Appropriate Inquiry
APCD	Air Pollution Control District
APN	Assessor Parcel Number
ASTs	aboveground storage tanks
AUL	activity and use limitations
AWM	County of San Diego, Department of Agriculture, Weights and Measures
bgs	below ground surface
CDC	California Department of Conservation
CDE	California Department of Education
CDPR	California Department of Pesticides Regulations
CGS	California Geological Survey
COC	City of Carlsbad Public Records Office
DEH	Department of Environmental Health
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
Geocon	Geocon, Inc.
HMIRS	U.S. Hazardous Materials Incident Reporting System
KV	Kilovolt
LUST	Leaking Underground Storage Tank
msl	mean sea level
NPMS	National Pipeline Mapping System
pCi/l	picoCuries per liter of air
psig	pounds per square inch gage
RCRA	Resource Conservation and Recovery Act
RECs	Recognized Environmental Condition
ROD	Record of Decision
RWQCB	Regional Water Quality Control Board
SDUHSD	San Dieguito Union High School District
site	La Costa Valley Site
SLIC	Spills, Leaks, Investigations and Cleanup
TSD	Treatment, Storage, and Disposal
URS	URS Corporation Americas
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
USTs	underground storage tanks
VCP	Voluntary Cleanup Program

## Executive Summary

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### EXECUTIVE SUMMARY

URS Corporation Americas (URS) conducted a Phase I Environmental Site Assessment (Phase I ESA) of a vacant land parcel known as the La Costa Valley Site (site) for SDUHSD. The site is located within a residential neighborhood along the south side of Calle Barcelona and east of El Camino Real in the City of Carlsbad. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. To the south and east, the site is bound by the residential community of Rancho Ponderosa. Regional access is provided to the site via Interstate Highway 5 and the Leucadia Boulevard exit eastward to El Camino Real and northward to Calle Barcelona (Figures 1 and 2). The purpose of this Phase I ESA was to provide SDUHSD with the due diligence evaluations related to the proposed site development plans which will include the construction of athletic fields, a gymnasium and a multi-purpose building.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the site.

The format and content of the Phase I ESA report for the site are in general accordance with the ASTM International Standard Practice for Environmental Site Assessments: Phase I Site Assessment Process E 1527-05 and the United States Environmental Protection Agency (USEPA) 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries (AAI) – Final Rule effective November 1, 2006.

According to information provided by the County of San Diego Assessor's Office, the assessor's parcel number (APN) for the site is 255-273-08-00. The parcel is currently owned by the San Dieguito Union High School District (SDUHSD).

Based on information obtained from review of pertinent and readily available historical aerial photographs, the subject property was historically used for row crop farming between early 1950s to mid-1960s. Due to the database and archival information limitations at the California Department of Pesticide Regulation (CDPR) with available data only for years spanning 1974 through 2011, no information concerning the potential past use of pesticides at this site could be retrieved. Considering the timeline during which farming activities could be associated with the subject property, dating back to approximately 50 years ago, it is unlikely that residual pesticides would be present in the site soils at concentrations which would pose a significant health risk to the public or to the environment.

The response from the Office of the Fire Marshall Pipeline Safety Division indicated that in the site vicinity there is a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil. These pipelines are reportedly operated and maintained by Kinder Morgan Energy Company. Additional research of information available through the City of Carlsbad on-line Public Safety Department web page indicated that the referenced pipelines are under high pressure and lie within the same utility corridor as the high-voltage transmission lines located within approximately 1,500 feet due west of the site. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-Kilovolt (KV) and 138-KV electric transmission line (City of Carlsbad Public Safety Element, 2013).

## Executive Summary

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Based on URS' knowledge and understanding of the California Department of Education's (CDE) current guidelines, it is likely that a pipeline risk evaluation may be required by that agency for review and consideration prior to approval of the site for development as planned by the SDUHSD.

In general, a pipeline risk analysis must be performed to estimate possible risk from a single pipeline or multiple pipelines that meet the applicability conditions. The purpose of pipeline risk analysis in the present context is to estimate a numerical value for the safety risk of a gas or hazardous liquid pipeline failure within 1,500 feet of any site proposed for school development and for comparison of the estimated risk with criteria recommended by CDE. The comparison will determine the extent to which additional risk control or mitigation measures might be required.

A high pressure pipeline (transporting petroleum, petroleum products, natural gas pipelines, or other hazardous substances that could present a safety hazard to the proposed school campus site) is defined as a pipeline operating at a pressure of 80 pounds per square inch gage (psig). Other gases are treated on a case-by-case basis. URS therefore recommends submitting the results and findings from this Phase I ESA to the CDE for review and comment.

No current use or evidence of historic use of hazardous materials or generation of hazardous waste was identified during the site reconnaissance.

Based on the scope of services performed to date, no recognized environmental concerns (RECs) were identified in connection with historic or current operations at the subject site.

# SECTION ONE

## Introduction

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### SECTION 1 INTRODUCTION

Presented in this report are the results of the Phase I Environmental Site Assessment (ESA) conducted by URS Corporation Americas (URS). This assessment was performed for a vacant land parcel in La Costa Valley, Carlsbad, California which is referred to herein as the La Costa Valley site (site). The site is located along the south side of Calle Barcelona east of El Camino Real in the City of Carlsbad within a residential neighborhood. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. To the south and east, the site is bound by the residential community of Rancho Ponderosa. Regional access is provided to the site via Interstate Highway 5 and the Leucadia Boulevard exit eastward to El Camino Real and northward to Calle Barcelona (Figures 1 and 2). The proposed future site development plans include the construction of athletic fields, a gymnasium and a multi-purpose building.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the site.

#### 1.1 ASTM STANDARD AND ALL APPROPRIATE INQUIRY

The format and content of this Phase I ESA report are in general accordance with the ASTM International Standard Practice for Environmental Site Assessments: Phase I Site Assessment Practice E 1527-05 and the United States Environmental Protection Agency's (EPA) standards for All Appropriate Inquiry (AAI) at 40 CFR Part 312.

##### 1.1.1 ASTM Standard

The ASTM International Standard Practice for Environmental Site Assessments (Standard E 1527-05) was approved November 18, 2005. ASTM Standard E 1527-05 was established and updated to reflect industry requirements brought about by AAI. A new ASTM Standard (E 1527-13) went into effect on November 6, 2013. However, the EPA's direct final rule regarding this new standard has not yet become effective.

The goal of the ASTM Standard is to identify Recognized Environmental Conditions (RECs). By definition under ASTM designation E 1527-05, the term "recognized environmental condition" is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

# SECTION ONE

## Introduction

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### 1.1.2 All Appropriate Inquiry Standards

The United States Environmental Protection Agency (USEPA) Rule on AAI was developed to establish landowner liability protections to property owners under CERCLA as innocent landowners, bona fide prospective purchasers, and/or contiguous property owners. The Rule expands the records review requirements by increasing the search distances beyond the superseded ASTM Standard E 1527-00, incorporating mandatory searches for engineering and institutional controls, and mandatory review of local government and tribal records. The records review also requires a search of reasonably ascertainable land title and lien records to identify environmental liens or activity and use limitations, if any that are recorded against the property. The historical sources review requires that a search of the property go as far back in history as it can be shown that the property contained structures or was first used for residential, agricultural, commercial, industrial, or governmental purposes. Data gaps identified for the property will be identified and their significance reported. The AAI Rule also requires taking into account commonly known or reasonably ascertainable information within a local community. AAI requires that inquiries be conducted by an environmental professional, which is specifically defined within the Rule.

## 1.2 PURPOSE

The purpose of the Phase I ESA was to gather updated information about the subject site and surrounding areas to identify conditions indicative of releases or threatened releases of hazardous substances, pollutants and contaminants, petroleum or petroleum products, and controlled substances.

## 1.3 SCOPE OF SERVICES

The scope of services performed was in accordance with our proposal to the San Dieguito Union High School District (SDUHSD) dated April 12, 2013 and as amended on August 23, 2013.

This Phase I ESA was accomplished by, and limited to, a reconnaissance of the site and review of pertinent documentation available through URS' standard resources regarding past and current land use for indications of the manufacture, generation, use, storage, and/or disposal of hazardous substances at the site. The site reconnaissance included a walking tour of areas at the subject property that were readily accessible and a survey of surrounding and adjacent properties limited to views from accessible public roads. To meet the objective of this Phase I ESA, URS completed the following tasks:

- Performed a reconnaissance survey of the land parcel to make visual observations of existing site conditions and activities, and a drive-by survey of the area on accessible roads within ¼-mile of the site to observe types of general land use. Photographs of the site are provided as Appendix A.
- Reviewed the federal, state, and local database list search, provided by Environmental Data Resources, Inc., (EDR) of known or potential hazardous waste sites or landfills and sites currently under investigation for environmental violations. The agency lists and search radii results (EDR Report) are provided in Appendix B.
- Reviewed the results of an environmental lien search conducted by EDR. The results of this research are provided in Appendix C.

# SECTION ONE

## Introduction

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- Conducted inquiries in person, by telephone, or in writing to the appropriate regulatory agencies for information regarding environmental permits, violations or incidents, and/or the status of enforcement actions at each site.
- Reviewed pertinent available documents and maps regarding local physiographic and hydrogeologic conditions in the site vicinity including the potential presence of wetlands, floodplains, coastal zones, aquifer recharge areas, and nearby environmentally sensitive sites.
- Reviewed and interpreted available archival U.S. Geological Survey (USGS) topographic maps (Appendix D) and historical aerial photographs (Appendix E) of the sites and vicinity for evidence of previous site activities and development that would suggest the potential presence of hazardous substances at the site.
- Prepared this report describing the research performed and presenting URS' findings and professional opinions regarding the potential for adverse environmental impacts to the subject property.

### 1.4 USER RELIANCE

This report has been prepared for use by the SDUHSD and shall not be relied upon by, or transferred to, any other party, or used for any other purpose, without the express written authorization of URS.

### 1.5 LIMITATIONS AND EXCEPTIONS

This report and associated work have been provided in accordance with the terms and conditions of the proposal between the SDUHSD and URS dated April 12, 2013 and as amended on August 23, 2013. Based on the scope of services outlined in the proposal, the Phase I ESA did not include testing for radon gas, lead-based paint, or lead in drinking water; sampling or testing of soil or groundwater; or evaluation of wetlands or cultural resources. In addition, this ESA did not include a compliance audit.

Our work has been performed using the degree of care and skill ordinarily exercised by reputable environmental consultants working in this area. No other warranty, expressed or implied, is made as to the professional advice included in this report.

# SECTION TWO

## Site Description

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### SECTION 2 SITE DESCRIPTION

#### 2.1 LOCATION

The site is located within a residential neighborhood along the south side of Calle Barcelona, and east of El Camino Real in the City of Carlsbad. The Coastline Community Church is located adjacent to the site on the west, while the La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. To the south and east, the site is bound by the residential community of Rancho Ponderosa (Figures 1 and 2). According to information provided by the County of San Diego Assessor's Office, the assessor's parcel number (APN) for the site is 255-273-08-00. The parcel is currently owned by the SDUHSD.

#### 2.2 FEATURES/USE

The subject property is an irregular-shaped parcel comprising approximately 28 acres of generally undeveloped land. The property lies along the southern side of Calle Barcelona, which is a main thoroughfare in the residential community of La Costa Valley in Carlsbad, California, and is situated between the intersections of Paseo Aliso to the west and Paseo Avelano to the east.

Coastal Community Church occupies the lot directly west of the subject property. To the north, the property is bound by Calle Barcelona. Residential lots border the site to the east and south. Surface topography is generally flat across much of the site with occasional shallow drainage gullies and unpaved narrow trails that cross the parcel in irregular patterns. Surface elevations across much of the flat landscape on the subject property range from approximately 100 to 168 feet above mean sea level (msl). An approximately 2:1 (horizontal to vertical) westerly descending slope covered with low-growing shrubs separates the eastern half (elevated side) of the parcel from the western half (lower side). The elevated side is approximately 30 feet higher in elevation than the lower side where the slope separates the eastern from the western portions of the property. A gravel-paved ramp that gently descends from the eastern side of the lot to the west has been constructed near the north-central portion of the site to facilitate pedestrian and vehicle access to both sides of the property. With the exception of some of the perimeter slopes, much of the parcel has been cleared of surface vegetation (Appendix A).

The site perimeter is fenced with two gates which can be accessed from Calle Barcelona. Minor improvements include four desilting basins (two on the elevated portion of the parcel and two on the lower side of the property) to control sediment runoff. The basins are secured by a chain-link fence. Other drainage and flood control measures installed at the site or offsite include concrete-lined brow ditches along the property boundaries and a box culvert and sub-drain system to convey runoff from the south-central portion of the property to the northwest corner of the site. Other site improvements include a rectangular sun shelter/canopy, located on the top side (eastern half) of the parcel near the slope. The area where the canopy is located is paved with asphalt and is fenced off (Appendix A – Site Photographs).

## SECTION TWO

## Site Description

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### 2.3 SITE VICINITY AND ADJACENT PROPERTIES

URS' observations and evaluation of adjoining properties were limited to features and conditions that were visible from public rights-of-way. The following observations were made:

North: To the north, the site is bound by Calle Barcelona, the main east-west throughway through La Costa Valley. A community clubhouse, a kindergarten and single-family residences are located beyond Calle Barcelona to the north.

East: The site is bound to the east by the residential community of Rancho Ponderosa.

South: To the south, the site is also bound by the residential community of Rancho Ponderosa.

West: To the west, the site is bound by the Coastal Community Church.



# SECTION THREE

## Physical Setting

### SECTION 3 PHYSICAL SETTING

#### 3.1 TOPOGRAPHY

The site topography, as mapped on the U.S. Geological Survey, Encinitas, California, 7½-minute topographic quadrangle map (USGS, 1997) shows a system of low-relief, northwest-southeast trending natural drainages that converged on the downslope side of a west-facing ridge near the central part of the site. These natural drainage channels appear to have meandered along the northeast, northwest and southwest portions of the property until they were filled in as part of site grading activities in 1999.

The current site topography, as it was reshaped following the completion of site grading in 1999, is generally flat across much of the landscape with occasional shallow drainage gullies and unpaved trails which cross the site in irregular patterns. Surface elevations across much of the flat landscape on the site range from approximately 100 to 168 feet above msl. An approximately 2:1 (horizontal to vertical) westerly descending slope separates the eastern half (elevated side) of the parcel from the western half (lower side). The top side is approximately 30 feet higher in elevation than the bottom side where the slope separates the eastern and western portions of the property. A gravel-paved ramp that gently descends along the slope from the eastern side of the lot provides pedestrian and/or vehicle access to the west side of the parcel.

#### 3.2 SURFACE WATER

The nearest mapped surface water is the Batiquitos Lagoon, located approximately 1.35 miles northwest of the site. The Batiquitos Lagoon is fed primarily by the San Marcos and Encinitas Creeks, both of which are a part of the San Marcos Creek Watershed, but is also tidally connected to the Pacific Ocean to the west.

Surface water flow across the site appears to be generally from east to west and is controlled by concrete-lined brow ditches along the property boundaries and a storm water collection box and a sub-drain system to convey runoff from the south-central portion of the property to the northwest corner of the site where it connects to the municipal storm drain system. The sub-drain system runs below ground within a five-foot wide cross-lot drainage easement, as recorded in the land title document.

Surface soils across an area in the southeastern portion of the site were found to be moist to wet at the time of our reconnaissance. This condition is presumably due to water seepage from the west-facing slopes constructed along the site perimeters in this area.

According to the California Regional Water Quality Control Board (RWQCB) Basin Plan, the site is located within the San Marcos Creek Watershed (RWQCB, 1994). This watershed is listed as having potential agricultural beneficial uses. Other uses cited are for recreational level 1 (contact); recreational level 2 (non-contact); warm water as well as wild habitat beneficial uses.

## SECTION THREE

## Physical Setting

### 3.3 GEOLOGY AND SOILS

The site is located in the western portion of the Peninsular Ranges geomorphic province of southern California and within the Coastal Plain region of San Diego County. The site is mapped as being primarily underlain at depth by the middle Eocene Santiago Formation and is partially bordered by the middle Eocene Delmar Formation with minor infringement of the Holocene and late Pleistocene alluvial flood plain deposits near the north/north-central portion of the site. According to the information pamphlet accompanying the Geologic Map of the Oceanside 30' x 60' Quadrangle, California, published by the California Geological Survey (CGS) in 2007, the Santiago Formation consists primarily of coarse-grained, poorly sorted arkosic sandstone and conglomerate with greenish-brown claystone interbeds and lenses of fossiliferous lagoonal claystone and siltstone. The Delmar Formation consists primarily of dusky yellowish-green, sandy claystone interbedded with medium-gray, coarse-grained sandstone. The flood-plain deposits consist of poorly consolidated, poorly sorted and permeable flood plain deposits of sandy, silty or clay-bearing alluvium (Kennedy and Tan, 2007). An as-built geologic map prepared by Geocon, Inc. (Geocon) was furnished to URS for review. This map details the lithologies encountered during site grading in 1999 and depicts the contacts between the Delmar Formation, the alluvium and Torrey Sandstone at the site. The Torrey Sandstone, as described by the CGS, generally consists of white to light-brown, medium to coarse-grained, moderately well indurated, massive and broadly cross-bedded, arkosic sandstone dating back to middle Eocene (Kennedy and Tan, 2007).

According to information obtained from the City of Carlsbad and State of California Department of Conservation (CDC), there are no known active or potentially active faults located within the limits of the City of Carlsbad. No Special Studies Zones, as required by the Alquist-Priolo Geologic Hazards Act, have been delineated within the City by the State Geologist (City of Carlsbad, 2013 and CDC, 2013).

### 3.4 HYDROGEOLOGY

The site is located in the Baticuitos hydrologic subarea of the San Marcos hydrologic area located within the Carlsbad hydrologic unit (RWQCB, 1994). This hydrologic subarea is reported to have designated beneficial uses for municipal, agricultural and industrial purposes (RWCQB, 1994). Based on information obtained from the as-built grading plans provided by Geocon, static groundwater at the site may occur at a depth of approximately 70 feet below ground surface (bgs) near the northwestern portion of the site (Geocon, 1999).

According to the EDR report, no groundwater wells were identified on the Federal USGS, Federal Public Water Supply System Information or State Databases within one mile of the site (EDR, 2013).

## SECTIONFOUR

## Site History

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### SECTION 4 SITE HISTORY

URS reviewed readily available historical data pertaining to the subject site. These references were reviewed for evidence of activities that would suggest the potential presence of hazardous substances at the subject property. They were also used to evaluate the potential for the subject property to be impacted by offsite sources of contamination. The following subsections summarize our review.

#### 4.1 HISTORICAL SANBORN FIRE INSURANCE MAPS

URS requested historical Sanborn Fire Insurance maps of the site and vicinity from EDR. EDR reported that historical Sanborn Fire Insurance maps are not available for the site and vicinity.

#### 4.2 HISTORICAL CITY DIRECTORIES

URS reviewed EDR's City Directory Abstract for the site vicinity. Directories searched were dated from 1903 through 2013. A property address was not listed for the site. Several residential addresses were listed in the directories associated with the properties neighboring the site to the east and south. In addition to the Coastal Community Church at 2215 Calle Barcelona, the La Costa Valley Preschool and Kindergarten at 2276, and La Costa Valley Master Association at 2280 Calle Barcelona were among the businesses listed in the directories as being immediately adjacent to or near the site.

#### 4.3 HISTORICAL USGS TOPOGRAPHIC MAPS

URS reviewed historical USGS topographical maps of the site vicinity dated 1893, 1901, 1904, 1947, 1949, 1968, 1975, 1983, 1996, and 1997 that were obtained from EDR (Appendix D). The following is a summary of the review.

Prominent physiographic features in maps dated 1893 through 1947 include the east-west trending ridges and valleys visible near the site. The Encinitas and San Marcos Creeks appear as the main components of the San Marcos Creek watershed leading to the Batiquitos Lagoon. Major roadways such as El Camino Real and Olivenhain Road also appear in the maps. No readily visible evidence of major development appears on or in the site vicinity until 1968. The 1968 maps indicate the presence of some structures in the site vicinity to the south and southwest, which appear to be likely related to agricultural or ranching activities when compared with historical aerial photographs from corresponding years. More roadways and additional structures appear in the 1975 through 1997 maps. In the 1997 map, most of the surrounding areas to the north and south of the site appear to have been developed with connecting streets and roadways including Calle Barcelona. The site topography, however, does not appear altered in this map compared to maps from earlier years.

As-graded geologic maps of the site, furnished to us by Geocon indicate that first alterations to the site topography occurred in 1999 (Geocon, 1999). Site grading involved filling the natural drainages that were present in the northeast, northwest and southwest portions of the property and cutting into the claystone/sandstone ridge that crops out near the center of the site by as much as 40 feet to make a level lot. The maximum fill thickness across the site is estimated to be 30 feet based on review of the as-graded geologic maps provided by Geocon. URS' follow-up e-mail correspondence with Geocon

## SECTIONFOUR

## Site History

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engineer Mr. Raul Garcia indicated that, in general, the fill soils used at the site were generated during grading of the Arroyo La Costa Southwest. This included the grading work performed for the neighboring Coastline Community Church, Calle Barcelona and the residential development to the north of the site as well as cuts performed onsite on the eastern portion of the site.

### 4.4 HISTORICAL AERIAL PHOTOGRAPHS

URS reviewed aerial photographs of the site vicinity for the years 1939, 1947, 1953, 1963, 1974, 1980, 1990, 1994, 2005, 2009, 2010, and 2012 that were obtained from EDR (Appendix E). A summary of the aerial photograph review follows.

Some of the site surrounding areas appear to be cultivated with evidence of row crop farming activities appearing in photographs from 1939, 1947 and 1953. A number of structures, likely associated with a ranch or farmhouse, appear offsite in these photographs. The structures appear approximately 500 feet northwest of the site. The site appears as undeveloped in the above-referenced photos. In the 1953 photo, a relatively large section of land just south of the ranch described above appears to have been prepared for cultivation. The easterly and southeasterly portions of this farmland appear to be encroaching onto the site. Evidence of row crop farming activity is more visible in the 1963 photo, in which nearly half of the site appears to be cultivated. The only exception where there was no evidence of farming appears to be near the central portion of the site, where a northwest-trending ridge existed at a higher elevation compared to the rest of the site. Other features visible in the 1963 photo appear to be several elongated structures, many of which are placed parallel to one another and spanning over a relatively large area just south of the site. These structures are likely associated with ranch activity, presumed to be horse corrals, chicken coops or boxes stacked next to each other. No structures or other development other than what appears to be cultivated farmland appears on site.

In the 1974 photo, no evidence of farming appears on site or in the site vicinity. The elongated rectangular structures visible in the 1963 photo, and presumed to be associated with ranch activities directly south of the site, are no longer present in the 1974 photo. The 1980, 1990 and 1994 photos show the emergence of a residential community (Rancho Ponderosa homes) directly south of the site. With the exception of a small network of unpaved roads, the site appears vacant with no structures or other development. The 1994 photo shows emerging natural vegetation in the low-lying areas of the site along the natural drainages leading to the more expansive wetland areas just north of Calle Barcelona. The 2005 photo shows the site as having been graded with no structures or other improvements. Calle Barcelona and other neighborhood streets associated with the La Costa Valley residential community as well as the La Costa Valley clubhouse and the kindergarten appear to the north of the site, across from Calle Barcelona.

In the 2009 photo, the Coastline Community Church appears to be under construction on the lot neighboring the site to the west. In the 2010 photo, the site and surrounding properties resemble the present-day conditions.

In summary, obvious visual indications of potential environmental concerns from past use of the subject property were not observed in the historical photographs. No RECs were identified.

## SECTION FOUR

## Site History

### 4.5 EDR HISTORICAL DATABASE REVIEW

URS reviewed the results of the EDR Proprietary Historical Database search presented in the EDR Radius Map report in order to identify past and current occupants of the site and surrounding area that may have had the potential to generate, use or store hazardous materials (i.e., manufactured gas plants, historical auto stations and dry cleaning facilities). The subject site was not identified as a facility in the EDR Proprietary Historical Databases. Two establishments were identified under the EDR US Historical Cleaners sites within 0.25 miles of the subject property. These include Vic's Carpet and Upholstery Cleaning at 7937 Represa Circle and Coast Carpet Cleaners at 2408 Majano Place. Based on our review of the addresses provided by EDR for these business establishments, it is evident that both businesses conduct their transactions from their home addresses with mobile services to serve their clients and customers offsite. Therefore, it is unlikely that the identified establishments constitute a REC or pose an environmental risk to the site. The EDR Radius Map Report is included as Appendix B.

### 4.6 OWNER-PROVIDED INFORMATION

#### 4.6.1 Title Records

Title records were not provided by the property owner; however these records were searched and provided by EDR. According to the records retrieved at the San Diego County Assessor's office, the current owner of the subject property is the San Dieguito Union High School District. The legal description for the subject site, as it appears in Exhibit A of the land title is as follows:

"Lot 483 of Carlsbad Tract No. 88-03-2, Arroyo La Costa, Unit 2, in the City of Carlsbad, County of San Diego, State of California, according to map thereof No. 13386, filed in the office of the County Recorder of San Diego County, December 20, 1996".

According to the records reviewed, the land title was vested in San Dieguito Union High School District on September 17, 1999. The title was received from Villages of La Costa Southwest, LLC.

#### 4.6.2 Environmental Liens

An environmental lien search was completed for the site by EDR. The lien search report stated that no environmental liens were found to be associated with the site (EDR, 2012). The lien search report is included in Appendix C. In addition, based on our review of the EDR database report (see Section 6.0 of this report), no Federal NPL (Superfund) liens or deed restrictions were identified associated with the site. No record of environmental liens was found through the EDR search.

#### 4.6.3 Activity and Use Limitations

Based on information provided by EDR, no record of activity and use limitations (AULs) were found associated with the subject site.

## SECTIONFOUR

## Site History

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### 4.6.4 Valuation Reduction for Environmental Issues

No readily available records were found that would indicate a reduction in property valuation as a result of environmental issues.

### 4.6.5 Previous Environmental Reports

No previous environmental reports were provided to URS for review.

## 4.7 SUMMARY OF HISTORICAL DATA

Available historical documents reviewed by URS dated back to 1893. According to the title records searched, the SDUHSD purchased the site in 1999 from the Villages of La Costa Southwest, LLC. Based on review of historical documents available and information provided by EDR, the site was used for farming in the early 1950s through mid-1960s. In order to obtain information about the type of crop(s) that were grown and potential use of pesticides at the site during this time frame, URS contacted the San Diego County Department of Agriculture, Weights and Measures, but no readily available records could be retrieved dating back to that time. No on-site permanent structures or other development were observed in the historical aerial photographs or other historical records. The subject property was graded to level the topography in 1999 in preparation for construction of a middle school, but the school was never built and the site has remained vacant to the present.

## 4.8 DATA GAPS

No data gaps were identified as part of this Phase I ESA.

## SECTION FIVE

## Site Reconnaissance

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### SECTION 5 SITE RECONNAISSANCE

On November 27, 2013, Mr. Massoud Karimi, a URS representative, conducted a reconnaissance of the subject site and made observations of neighboring properties. The weather was clear and sunny. The reconnaissance consisted of the observation and documentation of existing site conditions during a walk-through tour of the subject property. Site reconnaissance photographs are provided in Appendix A.

The site was accessed through an entrance gate from Calle Barcelona. The site is fenced off on its perimeter and appeared to be divided into two flat segments separated by an approximately 30-foot-high west-facing slope covered with low-growing shrubs. Two desilting basins and a rectangular sun shelter/canopy were observed on the elevated portion of the site (eastern side). The area where the canopy is located is paved with asphalt and is fenced off. Ground surface on this portion of the site was generally found to be flat and, with the exception of some of the perimeter slopes, had been cleared of surface vegetation. Surface soils were found to be moist to wet near the southeastern corner of the site. Minor debris, primarily small unidentifiable plastic fragments and one larger piece of plastic shaped like a tray, and concrete debris, were noted on the ground near one of the desilting basins. These objects are presumed to be remnants associated with landscaping and ground maintenance equipment.

A gravel-paved ramp that gently descends along the slope from the eastern side of the site provides pedestrian and/or vehicle access to the west side of the parcel. The lower portion of the lot (western side) was found to be generally flat with no surface vegetation. Minor quantities of debris and trash such as empty soda cans, flat cardboard, piles of cut and dried vegetation, used golf balls, and unidentifiable plastic fragments were noted on the ground through the site. An approximately 24-inch diameter covered utility man-way with the top lid marked as "storm drain" was observed near the west-central part of the site. This man-way appeared to be associated with an underground cross-lot storm drain easement that conveys stormwater from the south-central part of the property toward the municipal storm drain system on Calle Barcelona. Two desilting basins were also observed on the lower portion of the parcel (western portion) close to the street. No evidence of illegal dumping or other features that could represent a REC were noted during URS' reconnaissance of the subject property.

The site is bound to the south and east by residential dwellings that are located at elevations higher than the site. To the north, the site is bound by Calle Barcelona which runs east-west at a lower elevation compared to the subject property. The La Costa Valley Clubhouse and Master Community Association, as well as a kindergarten and residential dwellings, are located beyond Calle Barcelona to the northeast of the site. A southwest-northeast trending wetland area separates Calle Barcelona and the site from other residential dwellings to the northwest and the El Camino Middle School campus, which is situated approximately 900 feet northwest of the site.

The Coastline Community Church is situated at a lower elevation, neighboring the site to the west. Beyond the church and Paseo Aliso Street, there is a tire swing park with basketball courts. A high-voltage transmission line and high-pressure fuel pipeline easement runs north-south along the western side of this park. This easement is located approximately 1,300 feet west of the subject site and may be considered a REC requiring further evaluations under the California Department of Education guidelines.

## SECTION FIVE

## Site Reconnaissance

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### 5.1 HAZARDOUS SUBSTANCES

Hazardous substances were not observed onsite during the reconnaissance and were not reported by the property owner representative. Evidence of regular hazardous waste generating activities was not observed at the time of the site visit.

### 5.2 STORAGE TANKS

Evidence of aboveground storage tanks (ASTs) and underground storage tanks (USTs), such as vent lines, fill ports or fuel pumps, was not observed onsite and no current or former ASTs or USTs were reported or observed onsite during the site reconnaissance.

### 5.3 POLYCHLORINATED BIPHENYLS (PCBs)

No electrical transformers were observed on or in the immediate vicinity of the site. No elevators or other potential PCB-containing items or equipment were reported or observed on site at the time of the site visit.

### 5.4 WASTE DISPOSAL

The site is a vacant lot and no activities that generate hazardous waste were reported or observed on site at the time of the site visit and there is no current municipal trash service.

### 5.5 WETLANDS, FLOODPLAIN, COASTAL ZONE

Wetlands delineation was not included in this Phase I ESA. The nearest mapped wetland area was identified by the EDR report according to the National Wetland Inventory search. The subject wetland was mapped approximately 200 feet due north of the site across from Calle Barcelona.

According to the EDR report, the site lies within a Federal Emergency Management Agency (FEMA) flood panel, but not within 100 or 500-year flood zones. The site does not lie within a coastal zone.

### 5.6 DRUMS/OTHER CHEMICAL CONTAINERS

No drums or other chemical containers were observed onsite during the site reconnaissance.

### 5.7 DUMPING

Evidence of unauthorized dumping of chemicals, substances or waste was not observed during the site reconnaissance.



## SECTION FIVE

## Site Reconnaissance

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### **5.8 PITS, PONDS, LAGOONS, SEPTIC SYSTEMS, CISTERNS, SUMPS, DRAINS, AND CLARIFIERS**

Pits, ponds, lagoons, septic systems, cisterns, sumps and clarifiers were not observed at the subject site at during the site reconnaissance and none were reported. Stormwater drainage across the sites is controlled by engineered drainage channels that direct stormwater flow to the municipal stormwater system. Four desilting basins were observed on site for sediment transport control due to surface water runoff. Desilting basins were found to be dry during the site reconnaissance.

### **5.9 STAINING AND DISCOLORED SOILS**

No stained or discolored soils were observed onsite during the site reconnaissance.

### **5.10 STRESSED VEGETATION**

Stressed vegetation was not observed onsite during the reconnaissance.

### **5.11 UNUSUAL ODORS**

No unusual odors were noted during the reconnaissance.

### **5.12 ONSITE WELLS**

No groundwater wells were observed onsite and no historical groundwater wells were reported by EDR. Based on review of the California Department of Conservation online Oil, Gas & Geothermal Maps of District #1 and the EDR Radius report, no oil or gas wells were identified within 1/4 mile of the subject property.

### **5.13 NEARBY ENVIRONMENTALLY SENSITIVE SITES**

The nearest mapped wetland area was identified by the EDR report according to the National Wetland Inventory search. The subject wetland is mapped approximately 200 feet due north of the site across from Calle Barcelona. Ground surface in an area near the southeast corner of the property was found to be wet to saturated during our site reconnaissance.

### **5.14 RADON**

The EDR report documents Federal EPA Radon Zone for San Diego County, California is 3. Zone 3 areas are predicted to have an average indoor radon screening potential of less than 2 picoCuries per liter of air (pCi/l). The USEPA action level for radon is 4.0 pCi/l. Therefore, further assessment for radon appears unwarranted (EDR 2012).

## SECTION FIVE

## Site Reconnaissance

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### 5.15 OTHER CONCERNS

The response from the Office of the Fire Marshall Pipeline Safety Division indicated that a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. These pipelines are reportedly operated and maintained by Kinder Morgan with a point of contact listed as Mr. Don Quinn at (714) 560-4940. Mr. Quinn could not be reached for a telephone interview despite several attempts by URS. However, additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high-pressure and located within the same corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the subject property. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-Kilovolt (KV) and 138-KV electric transmission line (City of Carlsbad Public Safety Element, 2013).

Based on URS' knowledge and understanding of the California Department of Education's current guidelines, it is likely that a pipeline risk evaluation may be required by that agency for review and consideration prior to approval of the site for development as planned by the SDUHSD.

In general, a pipeline risk analysis must be performed to estimate possible risk from a single pipeline or multiple pipelines that meet the applicability conditions. The purpose of pipeline risk analysis in the present context is to estimate a numerical value for the safety risk of a gas or hazardous liquid pipeline failure within 1,500 feet of any site proposed for school development and for comparison of the estimated risk with criteria recommended by CDE. The comparison will determine the extent to which additional risk control or mitigation measures might be required.

A high-pressure pipeline (transporting petroleum, petroleum products, natural gas pipelines, or other hazardous substances that could present a safety hazard to the proposed school campus site) is defined as a pipeline operating at a pressure of 80 pounds per square inch gage (psig). Other gases are treated on a case-by-case basis.

## SECTION SIX

## Government Agency Information

**SECTION 6 GOVERNMENT AGENCY INFORMATION**

URS reviewed readily available records regarding past and current site use, contacted applicable agencies regarding potential environmental concerns at the site, and reviewed the agency database list search for potential environmental concerns at surrounding properties. The information obtained during the records review is provided in the following sections.

**6.1 DATABASE LIST SEARCH**

URS contracted an environmental database firm, EDR, to conduct a search for facilities listed by regulatory agencies as potentially having environmental concerns. The search was limited to a one-mile radius (*i.e.*, ASTM and AAI standards) of the subject property to assess whether activities on or near the subject property have the potential to result in RECs at the subject property. The complete list of databases reviewed is provided in the EDR Radius Map Report, included as Appendix B and summarized in the following table. It should be noted that this information is reported as URS received it from EDR, which in turn reports information as it is provided in various government databases. It is not possible for either URS or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence. The databases searched and the information obtained is summarized in Sections 6.1.1 and 6.1.2.

The following table summarizes the number of facilities in the site vicinity that were identified in the indicated agency databases within the specified survey distances.

Agency Database	Survey Distance (miles)	Number of Sites Identified
United States Environmental Protection Agency (EPA) National Priority List (NPL) for Superfund Sites	1.00	0
U.S. Proposed NPL List	1.00	0
U.S. National Priority List Deletions (Delisted NPL) List	1.00	0
NPL Recovery List (Federal Superfund Liens)	Target Property	0
U.S. EPA Comprehensive Environmental Response, Compensation and Liability Index System (CERCLIS) List	0.50	0
U.S. EPA CERCLIS – No Further Remedial Action Planned (CERCLIS-NFRAP)	0.50	0
U.S. EPA Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) List	1.00	0
U.S. EPA RCRA Permitted Treatment, Storage, and Disposal (TSD) Facilities	0.50	0
U.S. EPA RCRA Registered Large Generators of Hazardous Waste (RCRA LQG)	0.25	0

## SECTION SIX

## Government Agency Information

Agency Database	Survey Distance (miles)	Number of Sites Identified
U.S. EPA RCRA Registered Small Generators of Hazardous Waste (RCRA SOG)	0.25	0
U.S. EPA Emergency Response Notification System (ERNS) List	Target Property	0
U.S. Hazardous Materials Incident Reporting System (HMIRS)	Target Property	0
U.S. Engineering Controls Sites (ENG Controls) List	0.50	0
U.S. Sites with Institutional Controls (INST Controls) List	0.50	0
U.S. Record of Decision (ROD) List	1.00	0
State Hazardous Waste Sites (HIST Cal-Sites)	1.00	0
State Hazardous Material Incidents, Including Accidental Releases and Spills (CHMIRS)	Target Property	0
State Hazardous Waste and Substances Sites (Cortese)	0.50	0
State Proposition 65 Database (Notify 65)	1.00	0
State Toxic Pits Cleanup Act Sites (Toxic Pits)	1.00	0
State Permitted Solid Waste Landfill, Incinerators or Transfer Stations (SWF/LF) List	0.50	0
State Waste Management Unit Database System (WMUDS/SWAT)	0.50	0
State Leaking Underground Storage Tank (LUST) List	0.50	0
State Bond Expenditure Plan (CA Bond Exp. Plan)	1.00	0
State Drycleaners List	0.25	0
State Site Cleanup (SLIC) List	0.50	0
State Voluntary Cleanup Program (VCP)	0.50	0
State and Tribal Registered Above-ground Storage Tanks (Indian AST)	0.25	0
State and Tribal Registered Underground Storage Tanks (Indian UST)	0.25	0
State Leaking Underground Storage Tanks on Indian Land (Indian LUST)	0.50	0
State Facility Inventory Database of historic active and inactive UST locations (CA FID UST)	0.25	0
State Hazardous Substance Storage Container Database of historic UST sites (HIST UST)	0.25	0
State SWEEPS UST database	1.00	0
State Site Mitigation and Brownfields Reuse Program (ENVIROSTOR) database	0.50	0
San Diego County Site Assessment and Mitigation (SAM)	0.50	0
San Diego County Hazardous Materials Management Division (HMMD)	Target Property	0
EDR Proprietary Records: Manufactured Gas Plants	1.00	0
EDR Proprietary Records: Historical Auto Stations	0.25	0

## SECTION SIX

## Government Agency Information

Agency Database	Survey Distance (miles)	Number of Sites Identified
EDR Proprietary Records: Historical Cleaners	0.25	2
Other Local, State, and/or Federal Databases including, but not limited to, Brownfield listings, Current and Former Department of Defense Sites, Consent Decrees, Records of Decision, Deed Restrictions, Hazardous Materials or Waste Tracking Systems and Facility Registries, and Enforcement Activities (see EDR report for complete listing of databases and search radii)	Varied according to database	0

### 6.1.1 Subject Property

The subject property was not reported in any of the listed agency databases searched by EDR.

### 6.1.2 Adjacent Properties

No adjacent properties were reported in any of the listed agency databases searched by EDR.

### 6.1.3 Site Vicinity

URS reviewed the EDR database report to identify offsite facilities that have suspected or documented environmental concerns or RECs that may negatively impact the subject property. URS' criteria for further evaluating the potential impact of a listed offsite facility are summarized below:

- The listed offsite facility is documented or assumed to be hydrogeologically upgradient and a likely pathway exists for known releases of environmentally mobile contaminants to reach the subject property; or, contaminants from the listed offsite facility can reach the subject through other pathways (*i.e.*, surface runoff); and,
- The offsite facility is listed as an open case on one of the following databases: Federal NPL, Federal CORRACTS, Federal CERCLIS, Federal ERNS, and State-Specific lists including, but not limited to, State Hazardous Waste Sites, State SCL, State LUST, State Deed Restrictions, State Toxic Pits, Landfill (excluding transfer stations); or
- The facility is a known or suspected concern based on URS' experience or observations made during the site reconnaissance. (*i.e.*, dry-cleaning operations that may or may not be listed as RCRA-SQG or a non-adjacent UST site that appears to have a remediation system in place).

Two establishments were identified under the EDR US Historical Cleaners sites within 0.25 miles of the subject property. These include Vic's Carpet and Upholstery Cleaning at 7937 Represa Circle and Coast Carpet Cleaners at 2408 Majano Place. Based on our review of the addresses provided by EDR for these business establishments, it is evident that both businesses conduct their business transactions from their home addresses with mobile services to serve their client and customers offsite. Therefore, it is unlikely that the identified establishments constitute a REC or pose an environmental risk to the subject property.

## SECTION SIX

## Government Agency Information

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### 6.1.4 Unmapped Facilities

“Orphan sites” are facilities listed in the EDR Report that have not been geocoded based on lack of sufficient data regarding their exact location within the general area. Based on the reported database and available location information these orphan-listed facilities do not appear to be RECs to the subject site. A full summary of agency databases can be found in the EDR Database Report provided as Appendix B.

### 6.2 REGULATORY CONTACTS

URS contacted local and state agencies to obtain information regarding the site, such as the status of environmental permits, violations, or corrective actions. Agencies contacted regarding the subject property and a summary of the information obtained are provided below.

**Cal/EPA, DTSC, San Diego Office** - The DTSC responded that they have no files for the subject property (Munoz, 2013).

**County of San Diego, Department of Agriculture, Weights and Measure (AWM)** – The County of San Diego AWM responded that their available data from 2010 through 2013 for the subject parcel did not indicate any pesticide records.

**California Department of Pesticides Regulations (CDPR)** – The CDPR responded that their available relevant data is for 1974 to 2011. This time span post-dates the time frame during which the site appeared to be used as a farmland (early 1950 to mid-1960s) based on URS’ review of historical aerial photographs referenced in Section 4.4 of this report.

**California Regional Water Quality Control Board (RWQCB)** – No records were found in RWQCB database concerning the subject site.

**National Pipeline Mapping System (NPMS)** - Review of the NPMS Public Map Viewer showed that there are no oil, gas or hazardous liquids transmission lines in the vicinity of the site (NPMS, 2013).

**City of Carlsbad Public Records Office (COC)** – No records pertaining to illicit discharge of wastewater, stormwater violations or non-compliance issues or illicit dumping at the subject site were found at the City of Carlsbad Public Records Office.

**San Diego County Department of Environmental Health (DEH)** - The DEH responded that they have no files for the subject properties (Ellman, 2013).

**San Diego County Air Pollution Control District (APCD)** - The APCD responded that they have no files for the subject property addresses (Gould, 2013).

**Office of the State Fire Marshal Pipeline Safety Division** – The response from this office indicated that a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. These pipelines are reportedly operated and maintained by Kinder Morgan with a point of contact listed as Mr. Don Quinn at (714) 560-4940. Mr. Quinn could not be reached for a telephone interview despite several attempts by URS.

## SECTION SIX

## Government Agency Information

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However, additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high-pressure and located within the same corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the subject property. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-KV and 138-KV electric transmission line (Dowdy, 2013 and City of Carlsbad Public Safety Element, 2013).

## SECTION SEVEN

## Phase I ESA Conclusions and Recommendations

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### SECTION 7 PHASE I ESA CONCLUSIONS AND RECOMMENDATIONS

At the request of SDUHSD, URS has completed a Phase I Environmental Site Assessment (ESA) for a vacant land parcel in La Costa Valley, Carlsbad, California referred to herein as the La Costa Valley site. According to information provided by the County of San Diego Assessor's Office, the APN for the site is 255-273-08-00. The parcel is currently owned by the SDUHSD. The proposed future site development plans include the construction of athletic fields, a gymnasium and a multi-purpose building.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the site. Based on the scope of services performed to date, no RECs were identified in connection with URS' review of historic or current site use and operations at the subject sites.

Based on information obtained from review of pertinent and readily available historical aerial photographs, the subject property was historically used for row crop farming between the early 1950s to mid-1960s. Due to the database and archival information limitations at the CDPR with available data only for 1974 through 2011, no information concerning the potential past use of pesticides at this site could be retrieved. Considering the timeline during which farming activities could be associated with the subject property, dating back to approximately 50 years ago, it is unlikely that residual pesticides would be present in the site soils at concentrations which would pose a significant health risk to the public or to the environment.

The response from the Office of the Fire Marshall Pipeline Safety Division indicated that a 10-inch diameter pipeline that carries nitrogen and a 16-inch diameter pipeline that carries refined products such as gasoline, gas or oil, are located in the site vicinity. These pipelines are reportedly operated and maintained by Kinder Morgan Energy Company. Additional research of information available through the City of Carlsbad on-line Public Safety web page indicated that the referenced pipelines are under high-pressure and located within the same utility corridor as the high-voltage transmission lines located within an approximate distance of 1,500 feet due west of the subject property. Information concerning the high-voltage electric transmission lines was also available through the same web link. These lines, according to the City of Carlsbad Public Safety Element document, include a 230-KV and 138-KV electric transmission line (Dowdy, 2013 and City of Carlsbad Public Safety Element, 2013).

Based on URS' knowledge and understanding of the California Department of Education's (CDE) current guidelines, it is likely that a pipeline risk evaluation may be required by that agency for review and consideration prior to approval of the site for development as planned by the SDUHSD.

In general, a pipeline risk analysis must be performed to estimate possible risk from a single pipeline or multiple pipelines that meet the applicability conditions. The purpose of pipeline risk analysis in the present context is to estimate a numerical value for the safety risk of a gas or hazardous liquid pipeline failure within 1,500 feet of any site proposed for school development and for comparison of the estimated



## SECTION SEVEN

## Phase I ESA Conclusions and Recommendations

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risk with criteria recommended by CDE. The comparison will determine the extent to which additional risk control or mitigation measures might be required.

A high pressure pipeline (transporting petroleum, petroleum products, natural gas pipelines, or other hazardous substances that could present a safety hazard to the proposed school campus site) is defined as a pipeline operating at a pressure of 80 psig. Other gases are treated on a case-by-case basis. Therefore, URS recommends submitting the results and findings from this Phase I ESA to the CDE for review and comments in relation to the potential risks associated with the pipeline easement.

## SECTION EIGHT

## Preparer Signature and Qualifications

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### SECTION 8 PREPARER SIGNATURE AND QUALIFICATIONS

This section includes qualification statements of the environmental professional responsible for conducting the Phase I ESA and preparing this report.

The site reconnaissance was performed and report written by Mr. Massoud Karimi of the URS office in San Diego, California. Mr. Karimi, PG has over 28 years of experience in environmental site investigations, characterizations, and assessments. The report was reviewed by Mr. Bob Scott, PG, CHG who has over 28 years of experience in the environmental field.

Mr. Karimi declares that, to the best of his professional knowledge and belief, he meets the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

Mr. Karimi has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. Mr. Karimi has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



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Massoud Karimi, PG  
Senior Project Geologist

# SECTIONNINE

## References

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## SECTIONNINE

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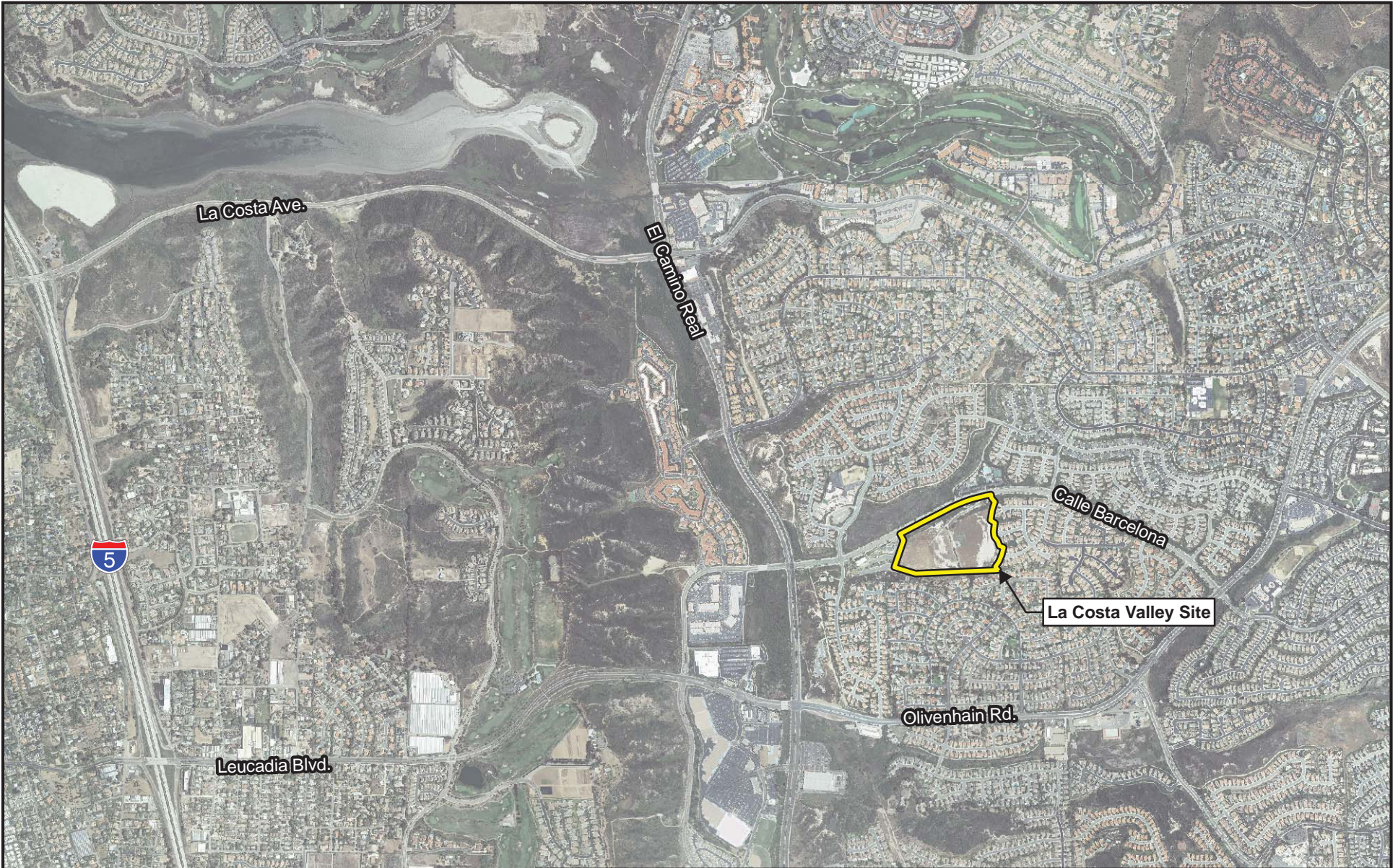
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## Figures

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Path: G:\gis\projects\157727653117\map\_docs\mx\Site\_Vicinity.mxd, paul\_morano, 12/16/2013, 1:25:56 PM



SOURCES: Roads, Parcels, Aerial Imagery  
(SanGIS, 2012).



1000 0 1000 2000 Feet

SCALE: 1" = 2000' (1:24,000)

SCALE CORRECT WHEN PRINTED AT 8.5X11

SITE VICINITY  
LA COSTA VALLEY SITE  
CARLSBAD, CA

CREATED BY: DT

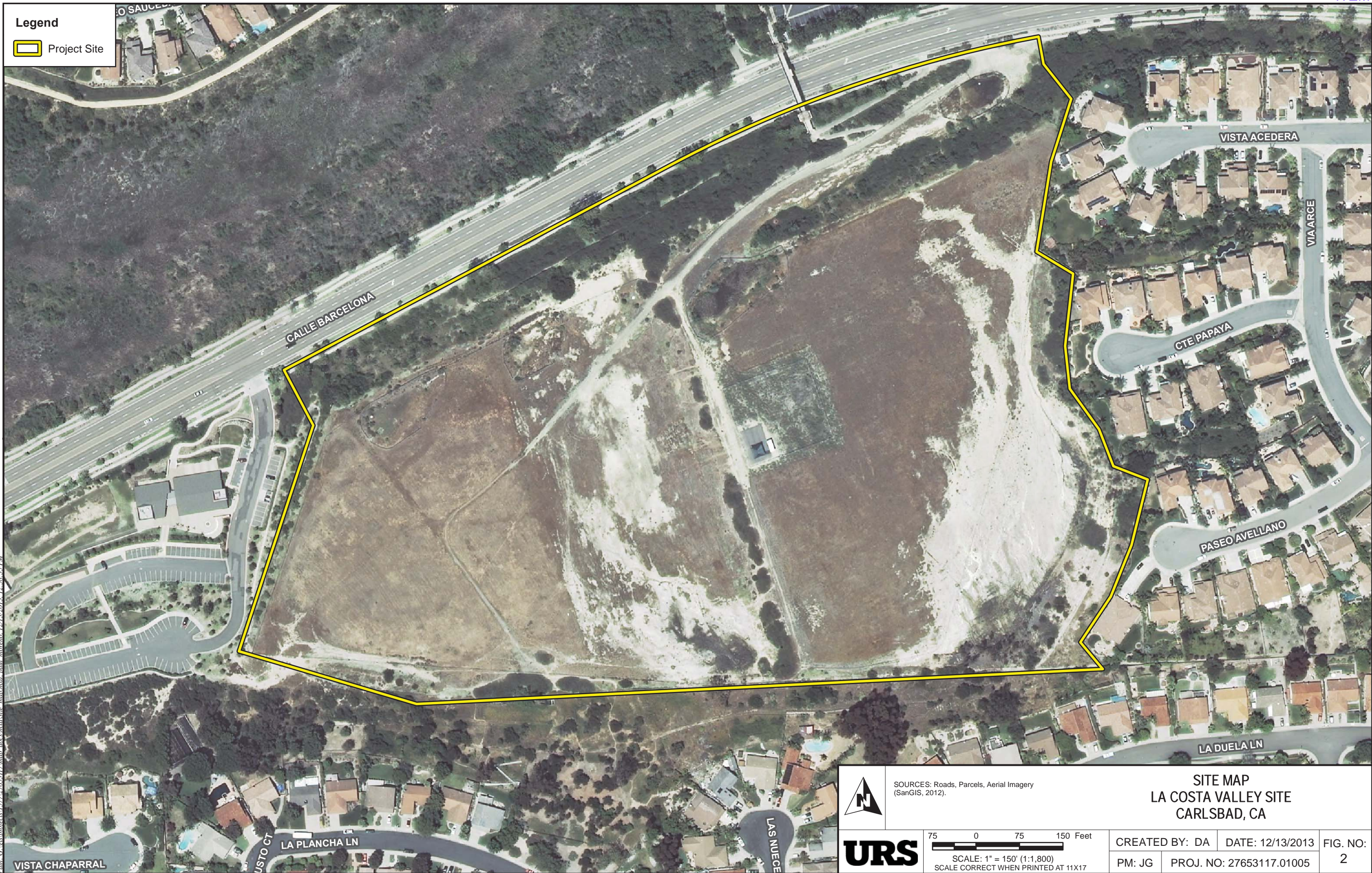
DATE: 12/16/2013

FIG. NO:

PM: CM


PROJ. NO: 27653117.01005

1



Paths: G:\gis\mxd\1577-27653117\map\_documents\Site\_map.mxd, user: mramirez, 12/13/2013, 12:58:35 PM

**Legend**  
 [Yellow Outline] Project Site

 <b>URS</b>	SOURCES: Roads, Parcels, Aerial Imagery (SanGIS, 2012).		<b>SITE MAP</b> <b>LA COSTA VALLEY SITE</b> <b>CARLSBAD, CA</b>		
	75 0 75 150 Feet SCALE: 1" = 150' (1:1,800) SCALE CORRECT WHEN PRINTED AT 11X17		CREATED BY: DA	DATE: 12/13/2013	FIG. NO: 2
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# APPENDIX A

## Site Reconnaissance Photographs

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APPENDIX A

Site Reconnaissance Photographs



**Photograph 1**

**Comments:**  
View of the site looking to the northeast toward Calle Barcelona with the easternmost desilting basin in the background



**Photograph 2**

**Comments:**  
View from outside of fenced desilting basin with scrap piece of plastic and concrete debris just outside of basin on site.

# APPENDIX A

## Site Reconnaissance Photographs



**Photograph 3**

**Comments:**  
View from outside a desilting basin on the elevated (eastern) portion of site looking due west with concrete debris in the foreground.



**Photograph 4**

**Comments:**  
View from the elevated (eastern) portion of the site looking due north toward Calle Barcelona and pedestrian bridge with the La Costa Valley residential community in the background.

# APPENDIX A

## Site Reconnaissance Photographs



**Photograph 5**

**Comments:**  
View of the subject property with residential units above the slope in the background due east of the site. Photo shows some shallow depressions in the ground in the foreground.



**Photograph 6**

**Comments:**  
View on site of the lower portion of the parcel looking west with pieces of scrap cardboard in the foreground.

# APPENDIX A

## Site Reconnaissance Photographs



**Photograph 7**

**Comments:**  
View of the southeastern corner of the site with wet to saturated surface soil. Neighboring residences are shown above the slope in the background.



**Photograph 8**

**Comments:**  
View of the lower (western) portion of the site from the top of the west-facing slope looking north toward La Costa Valley residential community. The access ramp and one of the desilting basins are visible near the top right corner and top center of photo.

APPENDIX A

Site Reconnaissance Photographs



**Photograph 9**

**Comments:**  
View of the sun shelter/canopy inside the fenced area on the elevated portion of the site. View looking northeast.



**Photograph 10**

**Comments:**  
View from the top of the gravel-paved access ramp with the lower (western) portion of the site and two desilting basins appearing in the foreground.

APPENDIX A

Site Reconnaissance Photographs



**Photograph 11**

**Comments:**  
View of covered storm drain utility man-way near the center of the lower (western) portion of the lot. A 5-foot wide cross-lot drainage easement runs through the center of photo to the northwest to connect with the municipal storm drain system.



**Photograph 12**

**Comments:**  
Concrete storm drain culvert offsite to the south of property connects with the on-site cross-lot sub-drain system to convey storm runoff to the municipal storm water system on Calle Barcelona.

# APPENDIX A

## Site Reconnaissance Photographs



**Photograph 13**

**Comments:**  
View of lower (western) portion of the site looking southwest towards neighboring residential community with a pile of cut vegetation shown in the foreground.



**Photograph 14**

**Comments:**  
View of the lower (western) portion of the site with the El Camino Creek Middle School campus and high-voltage electric transmission lines and high-pressure pipeline easement shown in the background.

# APPENDIX B

# EDR Radius Map Report

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**Proposed La Costa Valley Recreational Facilities**

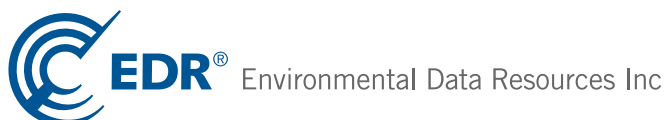
1876-1942 CALLE BARCELONA

Carlsbad, CA 92009

Inquiry Number: 3785462.2s

November 14, 2013

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

## TARGET PROPERTY INFORMATION

### ADDRESS

1876-1942 CALLE BARCELONA  
CARLSBAD, CA 92009

### COORDINATES

Latitude (North): 33.0740000 - 33° 4' 26.40"  
Longitude (West): 117.2551000 - 117° 15' 18.36"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 476189.0  
UTM Y (Meters): 3659328.2  
Elevation: 182 ft. above sea level

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-A3 ENCINITAS, CA  
Most Recent Revision: 1975  
  
East Map: 33117-A2 RANCHO SANTA FE, CA  
Most Recent Revision: 1983

## AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012  
Source: USDA

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

*e era si e is*

NPL..... National Priority List

# EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

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Delisted NPL..... National Priority List Deletions

**e era is**

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

**e era si e is**

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

**e era T fa i i ies is**

CORRACTS..... Corrective Action Report

**e era non T T fa i i ies is**

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

**e era enera ors is**

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

**e era ins i u iona on ro s en ineerin on ro s re is ries**

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

**e era is**

ERNS..... Emergency Response Notification System

**æ an riba e ui a en**

RESPONSE..... State Response Sites

**æ an riba e ui a en**

ENVIROSTOR..... EnviroStor Database

**æ an riba an fi an or so i as e is osa si e is s**

SWF/LF..... Solid Waste Information System

**æ an riba eakin s ora e ank is s**

LUST..... Geotracker's Leaking Underground Fuel Tank Report

# EXECUTIVE SUMMARY

SLIC..... Statewide SLIC Cases  
SAN DIEGO CO. SAM..... Environmental Case Listing  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

***æ an riba re is ere s ora e ank is s***

UST..... Active UST Facilities  
AST..... Aboveground Petroleum Storage Tank Facilities  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

***æ an riba o un ary eanu si es***

VCP..... Voluntary Cleanup Program Properties  
INDIAN VCP..... Voluntary Cleanup Priority Listing

**ADDITIONAL ENVIRONMENTAL RECORDS**

***o a ro nfie is s***

US BROWNFIELDS..... A Listing of Brownfields Sites

***o a is s of an fi oi ase is osa ies***

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
WMUDS/SWAT..... Waste Management Unit Database  
SWRCY..... Recycler Database  
HAULERS..... Registered Waste Tire Haulers Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

***o a is s of a ar ous ase on a ina e ies***

US CDL..... Clandestine Drug Labs  
HIST Cal-Sites..... Historical Calsites Database  
SCH..... School Property Evaluation Program  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
CDL..... Clandestine Drug Labs  
San Diego Co. HMMD..... Hazardous Materials Management Division Database  
US HIST CDL..... National Clandestine Laboratory Register

***o a is s of e is ere ora e Tanks***

CA FID UST..... Facility Inventory Database  
HIST UST..... Hazardous Substance Storage Container Database  
SWEEPS UST..... SWEEPS UST Listing

***o a an e or s***

LIENS 2..... CERCLA Lien Information  
LIENS..... Environmental Liens Listing  
DEED..... Deed Restriction Listing

***e or s of er en y e ease e or s***

HMIRS..... Hazardous Materials Information Reporting System

# EXECUTIVE SUMMARY

CHMIRS..... California Hazardous Material Incident Report System  
 LDS..... Land Disposal Sites Listing  
 MCS..... Military Cleanup Sites Listing  
 SPILLS 90..... SPILLS 90 data from FirstSearch

**her s er ainab e e or s**

RCRA NonGen / NLR..... RCRA - Non Generators  
 DOT OPS..... Incident and Accident Data  
 DOD..... Department of Defense Sites  
 FUDS..... Formerly Used Defense Sites  
 CONSENT..... Superfund (CERCLA) Consent Decrees  
 ROD..... Records Of Decision  
 UMTRA..... Uranium Mill Tailings Sites  
 US MINES..... Mines Master Index File  
 TRIS..... Toxic Chemical Release Inventory System  
 TSCA..... Toxic Substances Control Act  
 FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
 HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
 SSTS..... Section 7 Tracking Systems  
 ICIS..... Integrated Compliance Information System  
 PADS..... PCB Activity Database System  
 MLTS..... Material Licensing Tracking System  
 RADINFO..... Radiation Information Database  
 FINDS..... Facility Index System/Facility Registry System  
 RAATS..... RCRA Administrative Action Tracking System  
 RMP..... Risk Management Plans  
 CA BOND EXP. PLAN..... Bond Expenditure Plan  
 UIC..... UIC Listing  
 NPDES..... NPDES Permits Listing  
 Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
 HIST CORTESE..... Hazardous Waste & Substance Site List  
 CUPA Listings..... CUPA Resources List  
 Notify 65..... Proposition 65 Records  
 DRYCLEANERS..... Cleaner Facilities  
 WIP..... Well Investigation Program Case List  
 ENF..... Enforcement Action Listing  
 HAZNET..... Facility and Manifest Data  
 EMI..... Emissions Inventory Data  
 INDIAN RESERV..... Indian Reservations  
 SCRDRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
 MWMP..... Medical Waste Management Program Listing  
 COAL ASH DOE..... Steam-Electric Plant Operation Data  
 COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
 HWT..... Registered Hazardous Waste Transporter Database  
 HWP..... EnviroStor Permitted Facilities Listing  
 Financial Assurance..... Financial Assurance Information Listing  
 LEAD SMELTERS..... Lead Smelter Sites  
 2020 COR ACTION..... 2020 Corrective Action Program List  
 US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
 PRP..... Potentially Responsible Parties  
 WDS..... Waste Discharge System  
 EPA WATCH LIST..... EPA WATCH LIST  
 US FIN ASSUR..... Financial Assurance Information

# EXECUTIVE SUMMARY

PCB TRANSFORMER..... PCB Transformer Registration Database  
 PROC..... Certified Processors Database

**EDR HIGH RISK HISTORICAL RECORDS**

*u s i e e o r s*

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
 EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bo i a i s** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

**EDR HIGH RISK HISTORICAL RECORDS**

*u s i e e o r s*

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 2 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	7937 REPRESA CIR	S 1/8 - 1/4 (0.128 mi.)	1	8
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2408 MAJANO PL	SSW 1/8 - 1/4 (0.186 mi.)	2	8

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.














<u>Site Name</u>	<u>Database(s)</u>
LA COSTA RESORT & SPA	US AIRS
LA COSTA 2 6	NPDES, ENF
LA COSTA TOWN SQUARE	NPDES
LA COSTA TOWN SQUARE	NPDES
LA COSTA OAKS NORTH NEIGHBORHOOD 3	NPDES
LA COSTA GREENS NEIGHBORHOOD 1 3	NPDES
LA COSTA GREENS NEIGH 1 06	NPDES
RANCHO SANTA FE RD LA COSTA AV	NPDES
JOHN MINICK	SWEEPS UST
SURFSIDE AUTO BODY	SWEEPS UST
CARLSBAD BURNSITE	SWF/LF
FLOWER FIELDS COMPOST SITE	SWF/LF
LA COSTA DENTAL GROUP	San Diego Co. HMMD
GENERAL ATOMIC AERONAUTIC SYSTEM	SLIC, SAN DIEGO CO. SAM
WESTERN SALT CO	US MINES
WESTERN SALT CO	US MINES
POINSETTIA PROPERTIES (AREAS 2,3 &	SAN DIEGO CO. SAM
ART WOLDENGA AND/OR JOE STIX	SAN DIEGO CO. SAM
TRANS MASTERS	SAN DIEGO CO. SAM
LEUCADIA AUTO BODY	SAN DIEGO CO. SAM



# OVERVIEW MAP - 3785462.2s

ITEM 19



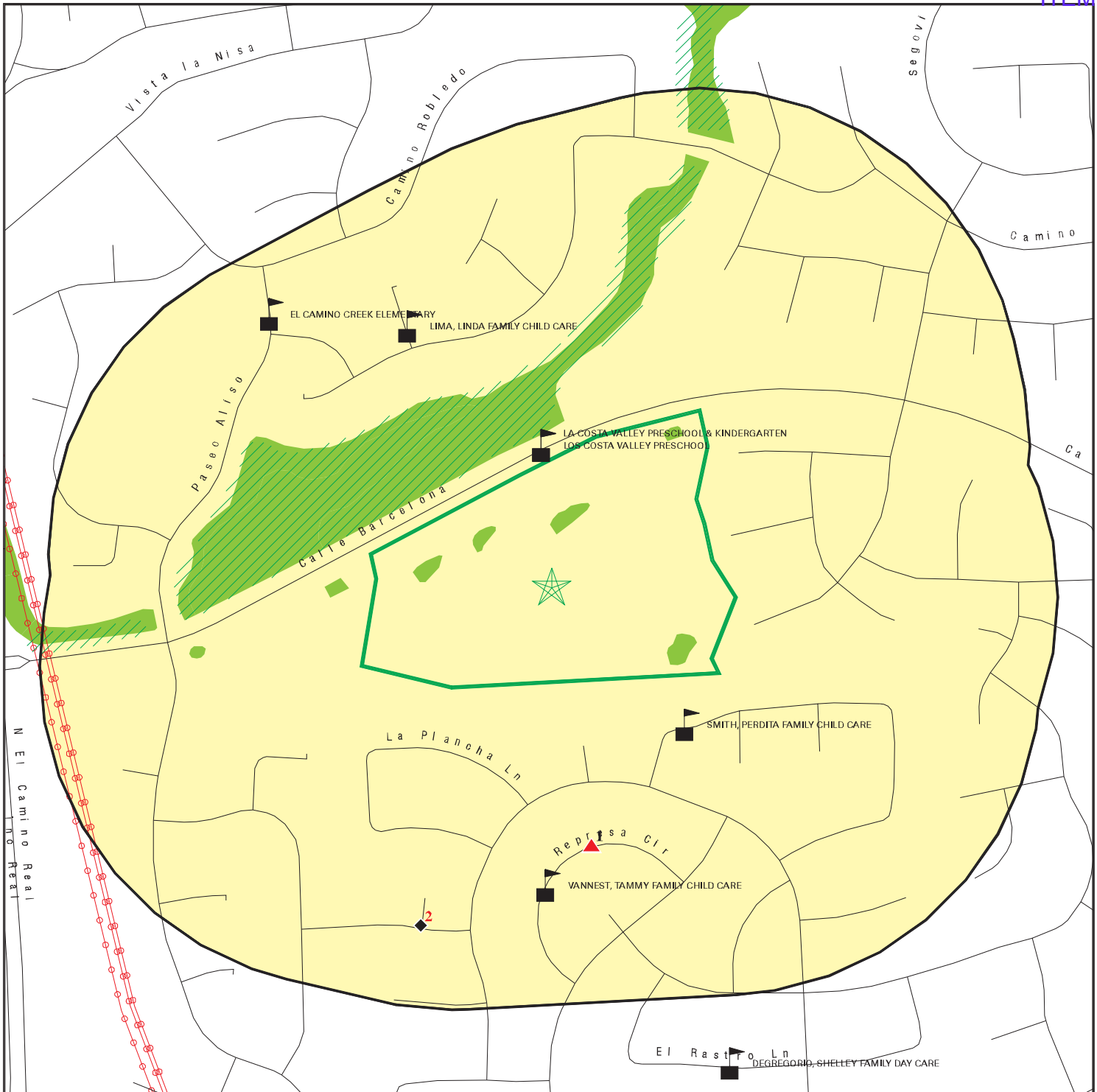
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  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:** Proposed La Costa Valley Recreational Facilities  
**ADDRESS:** 1876-1942 CALLE BARCELONA  
 Carlsbad CA 92009  
**LAT/LONG:** 33.074 / 117.2551

**CLIENT:** URS Corporation  
**CONTACT:** Massoud Karimi  
**INQUIRY #:** 3785462.2s  
**DATE:** November 14, 2013 9:12 am

# DETAIL MAP - 3785462.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  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: Proposed La Costa Valley Recreational Facilities  
 ADDRESS: 1876-1942 CALLE BARCELONA  
 Carlsbad CA 92009  
 LAT/LONG: 33.074 / 117.2551

CLIENT: URS Corporation  
 CONTACT: Massoud Karimi  
 INQUIRY #: 3785462.2s  
 DATE: November 14, 2013 9:14 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b>Environmental Site Investigations</b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b>Environmental Site Investigations</b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b>Environmental Investigations</b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b>Environmental Site Investigations</b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b>Environmental Investigations</b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b>Environmental Investigations</b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b>Environmental Investigations</b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b>Environmental Investigations</b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b>Environmental Investigations</b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b>Environmental Investigations</b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b>Environmental Investigations</b>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<b>Environmental Investigations</b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b>Environmental Investigations</b>								
LUST	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
SLIC	0.500		0	0	0	NR	NR	0
SAN DIEGO CO. SAM	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>æ an riba re is ere s ora e ank is s</i></b>								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b><i>æ an riba o un ary eanu si es</i></b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b><i>o a ro nfi e is s</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>o a is s of an fi oi as e is osa ies</i></b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b><i>o a is s of a ar ous as e on a ina e ies</i></b>								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
San Diego Co. HMMD	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b><i>o a is s of e is ere ora e Tanks</i></b>								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
<b><i>o a an e or s</i></b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b><i>e or s of er en y e ease e or s</i></b>								
HMIRS	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
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
<i>her s er ainab e e or s</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	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
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	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
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *usi e e or s*

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	2	NR	NR	NR	2

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**  
**South**  
**1/8-1/4**  
**0.128 mi.**  
**676 ft.**

**7937 REPRESA CIR**  
**CARLSBAD, CA 92009**

**EDR US Hist Cleaners**    **1015096086**  
**N/A**

**Relative:**    EDR Historical Cleaners:  
**Higher**

**Actual:**    Name:            AAA VICS CARPET CLEANING  
**209 ft.**        Year:            1999  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2006  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2007  
                  Address:        7937 REPRESA CIR

                  Name:            CARPET CLEANING BY VICS CARPET &  
                  Year:            2008  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2008  
                  Address:        7937 REPRESA CIR

                  Name:            VICS CARPET & UPHOLSTERY CLEANING  
                  Year:            2009  
                  Address:        7937 REPRESA CIR

**2**  
**SSW**  
**1/8-1/4**  
**0.186 mi.**  
**983 ft.**

**2408 MAJANO PL**  
**CARLSBAD, CA 92009**

**EDR US Hist Cleaners**    **1015025872**  
**N/A**

**Relative:**    EDR Historical Cleaners:  
**Lower**

**Actual:**    Name:            COAST CARPET CLEANERS  
**178 ft.**        Year:            2001  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2002  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2003  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2004  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2010  
                  Address:        2408 MAJANO PL

                  Name:            COAST CARPET CLEANERS  
                  Year:            2011

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**(Continued)**

**1015025872**

Address: 2408 MAJANO PL  
Name: DISCOUNT CARPET CLEANING  
Year: 2011  
Address: 2408 MAJANO PL  
Name: COAST CARPET CLEANERS  
Year: 2012  
Address: 2408 MAJANO PL  
Name: DISCOUNT CARPET CLEANING  
Year: 2012  
Address: 2408 MAJANO PL



Count: 20 records.

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARLSBAD	S109348913	POINSETTIA PROPERTIES (AREAS 2,3 &	AVENIDA ENCINAS @ POINSETTIA	92009	SAN DIEGO CO. SAM
CARLSBAD	S109447759	LA COSTA TOWN SQUARE	NE CNR LA COSTA AVE & RANCHO S	92009	NPDES
CARLSBAD	S109447758	LA COSTA TOWN SQUARE	LA COSTA AVE AND RANCHO SANTA	92009	NPDES
CARLSBAD	1014244120	LA COSTA RESORT & SPA	COSTA DEL MAR RD	92009	US AIRS
CARLSBAD	S109349419	CARLSBAD BURNSITE	ELM AVENUE		SWF/LF
CARLSBAD	S109447731	LA COSTA 2 6	MELROSE AVE & CONRINTA ST	92009	NPDES, ENF
CARLSBAD	S109447749	LA COSTA OAKS NORTH NEIGHBORHOOD 3	SE OF RHO SANTA FE RD & AVENID	92009	NPDES
CARLSBAD	S109447745	LA COSTA GREENS NEIGHBORHOOD 1 3	SE OF CAMINO VIDA ROBLE & EL C	92009	NPDES
CARLSBAD	S105155625	FLOWER FIELDS COMPOST SITE	WEST OF HIDDEN VALLEY ROAD		SWF/LF
CARLSBAD	S109447737	LA COSTA GREENS NEIGH 1 06	SO PALOMAR AIRPORT RD & E ALIC		NPDES
CARLSBAD	S109455414	RANCHO SANTA FE RD LA COSTA AV	RANCHO SANTA FE RD LA COSTA AV	92009	NPDES
ENCINITAS	S106927913	JOHN MINICK	434 HIGHWAY 101	92024	SWEEPS UST
ENCINITAS	S106068269	LA COSTA DENTAL GROUP	501 EL CAMINO REAL	92024	San Diego Co. HMMD
ENCINITAS	S106916363	ART WOLDENGA AND/OR JOE STIX	1508 N HY 101	92024	SAN DIEGO CO. SAM
ENCINITAS	S106916079	TRANS MASTERS	184 N HY 101	92024	SAN DIEGO CO. SAM
ENCINITAS	S106916039	LEUCADIA AUTO BODY	1508 N HY 101	92024	SAN DIEGO CO. SAM
ENCINITAS	S109118204	GENERAL ATOMIC AERONAUTIC SYSTEM	16761 VIA DEL CAMPO	92024	SLIC, SAN DIEGO CO. SAM
LEUCADIA	S106932710	SURFSIDE AUTO BODY	1508 N HIGHWAY 101	92024	SWEEPS UST
SAN DIEGO COUNTY	M300002765	WESTERN SALT CO	CHULA VISTA PLANT		US MINES
SAN DIEGO COUNTY	M300002489	WESTERN SALT CO	CHULA VISTA PLANT		US MINES

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

**STANDARD ENVIRONMENTAL RECORDS*****e era      si e is*****NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**NPL Site Boundaries****Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

**Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****e era e is e si e is****DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**e era is****CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

**FEDERAL FACILITY: Federal Facility Site Information listing**

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Varies

**e era si e is****CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

**e era T fa i i es is****CORRACTS: Corrective Action Report**

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: EPA  
 Telephone: 800-424-9346  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**e era non T T fa i i e s****RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**e era enera ors is****RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 36

Source: Environmental Protection Agency  
 Telephone: (415) 495-8895  
 Last EDR Contact: 10/02/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****e era ins i u iona on ro s en ineerin on ro s re is ries****US ENG CONTROLS: Engineering Controls Sites List**

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**US INST CONTROL: Sites with Institutional Controls**

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**LUCIS: Land Use Control Information System**

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013	Source: Department of the Navy
Date Data Arrived at EDR: 08/23/2013	Telephone: 843-820-7326
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 08/15/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

**e era is****ERNS: Emergency Response Notification System**

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

**æ an riba e ui a en****RESPONSE: State Response Sites**

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 09/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/06/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Quarterly

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**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****ENVIROSTOR: EnviroStor Database**

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 09/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/06/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Quarterly

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**SWF/LF (SWIS): Solid Waste Information System**

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/19/2013	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 08/19/2013	Telephone: 916-341-6320
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 08/19/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

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**LUST REG 4: Underground Storage Tank Leak List**

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

**LUST REG 3: Leaking Underground Storage Tank Database**

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

**LUST REG 2: Fuel Leak List**

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****LUST REG 6L: Leaking Underground Storage Tank Case Listing**

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

**LUST: Geotracker's Leaking Underground Fuel Tank Report**

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 09/16/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2013	Telephone: see region list
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

**LUST REG 9: Leaking Underground Storage Tank Report**

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

**LUST REG 6V: Leaking Underground Storage Tank Case Listing**

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

**LUST REG 5: Leaking Underground Storage Tank Database**

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

**LUST REG 8: Leaking Underground Storage Tanks**

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****LUST REG 7: Leaking Underground Storage Tank Case Listing**

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

**LUST REG 1: Active Toxic Site Investigation**

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

**SLIC: Statewide SLIC Cases**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/16/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2013	Telephone: 866-480-1028
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Varies

**SLIC REG 1: Active Toxic Site Investigations**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

**SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

**SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

**SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

**SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

**SLIC REG 6L: SLIC Sites**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

**SLIC REG 7: SLIC List**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

**SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing**

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 09/11/2007	Telephone: 858-467-2980
Date Made Active in Reports: 09/28/2007	Last EDR Contact: 08/08/2011
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/21/2011
	Data Release Frequency: Annually

**INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013	Source: EPA Region 7
Date Data Arrived at EDR: 08/27/2013	Telephone: 913-551-7003
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 66	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land**

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/20/2013	Source: EPA, Region 5
Date Data Arrived at EDR: 08/23/2013	Telephone: 312-886-7439
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/29/2013	Source: EPA Region 10
Date Data Arrived at EDR: 07/30/2013	Telephone: 206-553-2857
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

**INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

**INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/28/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

**INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/01/2013	Source: EPA Region 4
Date Data Arrived at EDR: 08/02/2013	Telephone: 404-562-8677
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 11/01/2013
Number of Days to Update: 184	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

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UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/16/2013	Source: SWRCB
Date Data Arrived at EDR: 09/17/2013	Telephone: 916-341-5851
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 10/07/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 07/29/2013	Source: EPA Region 8
Date Data Arrived at EDR: 08/01/2013	Telephone: 303-312-6137
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 92	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

**INDIAN UST R7: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**INDIAN UST R6: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

**INDIAN UST R5: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013	Source: EPA Region 5
Date Data Arrived at EDR: 08/23/2013	Telephone: 312-886-6136
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**INDIAN UST R4: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/01/2013	Source: EPA Region 4
Date Data Arrived at EDR: 08/02/2013	Telephone: 404-562-9424
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

**INDIAN UST R1: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 11/01/2014
Number of Days to Update: 156	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**FEMA UST: Underground Storage Tank Listing**

A listing of all FEMA owned underground storage tanks.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 10/17/2013  
Next Scheduled EDR Contact: 01/27/2014  
Data Release Frequency: Varies

***æ an r i b a o u n a r y e a n u s i e s*****INDIAN VCP R7: Voluntary Cleanup Priority Listing**

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

**VCP: Voluntary Cleanup Program Properties**

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 09/05/2013  
Date Data Arrived at EDR: 09/05/2013  
Date Made Active in Reports: 10/10/2013  
Number of Days to Update: 35

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/06/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Quarterly

**INDIAN VCP R1: Voluntary Cleanup Priority Listing**

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012  
Date Data Arrived at EDR: 10/02/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 14

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 10/01/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Varies

**ADDITIONAL ENVIRONMENTAL RECORDS*****o a r o n f i e i s s*****US BROWNFIELDS: A Listing of Brownfields Sites**

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013  
Date Data Arrived at EDR: 06/25/2013  
Date Made Active in Reports: 08/09/2013  
Number of Days to Update: 45

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/24/2013  
Next Scheduled EDR Contact: 01/08/2014  
Data Release Frequency: Semi-Annually

***o a i s s o f a n f i o i a s e i s o s a i e s***

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****ODI: Open Dump Inventory**

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/28/2013
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: No Update Planned

**WMUDS/SWAT: Waste Management Unit Database**

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 11/08/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/24/2014
	Data Release Frequency: No Update Planned

**SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 09/16/2013	Source: Department of Conservation
Date Data Arrived at EDR: 09/19/2013	Telephone: 916-323-3836
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 09/16/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

**HAULERS: Registered Waste Tire Haulers Listing**

A listing of registered waste tire haulers.

Date of Government Version: 04/26/2013	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 04/26/2013	Telephone: 916-341-6422
Date Made Active in Reports: 05/16/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Varies

**INDIAN ODI: Report on the Status of Open Dumps on Indian Lands**

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 11/04/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## o a i s s o f a a r o u s a s e o n a i n a e i e s

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/11/2013	Telephone: 202-307-1000
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/04/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Quarterly

### HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 09/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/06/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Quarterly

### TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/03/2013	Telephone: 916-255-6504
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 09/03/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

**o a i s o f e i s e r e o r a e T a n k s****CA FID UST: Facility Inventory Database**

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**UST MENDOCINO: Mendocino County UST Database**

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 09/03/2013
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Annually

**HIST UST: Hazardous Substance Storage Container Database**

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**SWEEPS UST: SWEEPS UST Listing**

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**o a a n e o r s****LIENS 2: CERCLA Lien Information**

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 02/06/2013  
Date Data Arrived at EDR: 04/25/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 11/13/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

**LIENS: Environmental Liens Listing**

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/14/2013  
Date Data Arrived at EDR: 06/17/2013  
Date Made Active in Reports: 08/21/2013  
Number of Days to Update: 65

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 09/23/2013  
Next Scheduled EDR Contact: 12/23/2013  
Data Release Frequency: Varies

**DEED: Deed Restriction Listing**

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/11/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/13/2013  
Next Scheduled EDR Contact: 12/23/2013  
Data Release Frequency: Semi-Annually

**e o r s o f e r e n y e e a s e e o r s****HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 55

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 10/01/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Annually

**CHMIRS: California Hazardous Material Incident Report System**

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/12/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 06/25/2013  
Number of Days to Update: 55

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 10/30/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

**LDS: Land Disposal Sites Listing**

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 09/16/2013  
Date Data Arrived at EDR: 09/17/2013  
Date Made Active in Reports: 10/16/2013  
Number of Days to Update: 29

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 10/17/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****MCS: Military Cleanup Sites Listing**

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 09/16/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2013	Telephone: 866-480-1028
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 10/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

**SPILLS 90: SPILLS90 data from FirstSearch**

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**her s er ainab e e or s****RCRA NonGen / NLR: RCRA - Non Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/11/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/08/2013	Telephone: (415) 495-8895
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 10/02/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**DOT OPS: Incident and Accident Data**

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 11/06/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Varies

**DOD: Department of Defense Sites**

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**FUDS: Formerly Used Defense Sites**

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**CONSENT: Superfund (CERCLA) Consent Decrees**

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 08/07/2013	Telephone: Varies
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**ROD: Records Of Decision**

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 06/11/2013	Telephone: 703-416-0223
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 143	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Annually

**UMTRA: Uranium Mill Tailings Sites**

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

**US MINES: Mines Master Index File**

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/05/2013	Telephone: 303-231-5959
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/05/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Semi-Annually

**TRIS: Toxic Chemical Release Inventory System**

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/30/2013
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Annually

**TSCA: Toxic Substances Control Act**

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2006  
 Date Data Arrived at EDR: 09/29/2010  
 Date Made Active in Reports: 12/02/2010  
 Number of Days to Update: 64

Source: EPA  
 Telephone: 202-260-5521  
 Last EDR Contact: 09/24/2013  
 Next Scheduled EDR Contact: 01/08/2014  
 Data Release Frequency: Every 4 Years

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
 FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
 Date Data Arrived at EDR: 04/16/2009  
 Date Made Active in Reports: 05/11/2009  
 Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
 Telephone: 202-566-1667  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
 A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
 Date Data Arrived at EDR: 04/16/2009  
 Date Made Active in Reports: 05/11/2009  
 Number of Days to Update: 25

Source: EPA  
 Telephone: 202-566-1667  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Quarterly

**HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
 Date Data Arrived at EDR: 03/01/2007  
 Date Made Active in Reports: 04/10/2007  
 Number of Days to Update: 40

Source: Environmental Protection Agency  
 Telephone: 202-564-2501  
 Last EDR Contact: 12/17/2007  
 Next Scheduled EDR Contact: 03/17/2008  
 Data Release Frequency: No Update Planned

**HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing**

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
 Date Data Arrived at EDR: 03/01/2007  
 Date Made Active in Reports: 04/10/2007  
 Number of Days to Update: 40

Source: Environmental Protection Agency  
 Telephone: 202-564-2501  
 Last EDR Contact: 12/17/2008  
 Next Scheduled EDR Contact: 03/17/2008  
 Data Release Frequency: No Update Planned

**SSTS: Section 7 Tracking Systems**

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Annually

**ICIS: Integrated Compliance Information System**

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/09/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Quarterly

**PADS: PCB Activity Database System**

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013	Source: EPA
Date Data Arrived at EDR: 07/17/2013	Telephone: 202-566-0500
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/18/2013
Number of Days to Update: 107	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Annually

**MLTS: Material Licensing Tracking System**

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/02/2013	Telephone: 301-415-7169
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

**RADINFO: Radiation Information Database**

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2013	Telephone: 202-343-9775
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

**FINDS: Facility Index System/Facility Registry System**

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (415) 947-8000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 09/11/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****RAATS: RCRA Administrative Action Tracking System**

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

**RMP: Risk Management Plans**

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 10/28/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**BRS: Biennial Reporting System**

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 08/26/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Biennially

**CA BOND EXP. PLAN: Bond Expenditure Plan**

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**NPDES: NPDES Permits Listing**

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/19/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/19/2013	Telephone: 916-445-9379
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 08/19/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****UIC: UIC Listing**

A listing of underground control injection wells.

Date of Government Version: 08/21/2013	Source: Department of Conservation
Date Data Arrived at EDR: 09/17/2013	Telephone: 916-445-2408
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 09/17/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Varies

**CORTESE: "Cortese" Hazardous Waste & Substances Sites List**

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 07/05/2013	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 07/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Quarterly

**HIST CORTESE: Hazardous Waste & Substance Site List**

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**NOTIFY 65: Proposition 65 Records**

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 09/23/2013
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: No Update Planned

**DRYCLEANERS: Cleaner Facilities**

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/10/2013	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/11/2013	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Annually

**WIP: Well Investigation Program Case List**

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/30/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****ENF: Enforcement Action Listing**

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/09/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/13/2013	Telephone: 916-445-9379
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 11/08/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**HAZNET: Facility and Manifest Data**

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-255-1136
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 10/15/2013
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Annually

**EMI: Emissions Inventory Data**

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2010	Source: California Air Resources Board
Date Data Arrived at EDR: 06/25/2013	Telephone: 916-322-2990
Date Made Active in Reports: 08/22/2013	Last EDR Contact: 09/27/2013
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Varies

**INDIAN RESERV: Indian Reservations**

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing**

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 10/21/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

**US FIN ASSUR: Financial Assurance Information**

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/15/2013	Telephone: 202-566-1917
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/27/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****PCB TRANSFORMER: PCB Transformer Registration Database**

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 11/01/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

**PROC: Certified Processors Database**

A listing of certified processors.

Date of Government Version: 09/16/2013	Source: Department of Conservation
Date Data Arrived at EDR: 09/19/2013	Telephone: 916-323-3836
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 09/16/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

**MWMP: Medical Waste Management Program Listing**

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/29/2013	Source: Department of Public Health
Date Data Arrived at EDR: 09/13/2013	Telephone: 916-558-1784
Date Made Active in Reports: 10/14/2013	Last EDR Contact: 09/11/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**COAL ASH DOE: Sleam-Electric Plan Operation Data**

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/15/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Varies

**COAL ASH EPA: Coal Combustion Residues Surface Impoundments List**

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/13/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

**HWT: Registered Hazardous Waste Transporter Database**

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/15/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-440-7145
Date Made Active in Reports: 08/12/2013	Last EDR Contact: 10/15/2013
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Quarterly

**HWP: EnviroStor Permitted Facilities Listing**

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 08/28/2013  
 Date Data Arrived at EDR: 08/27/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 44

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 08/27/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Quarterly

**Financial Assurance 2: Financial Assurance Information Listing**

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/12/2013  
 Date Data Arrived at EDR: 08/20/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 49

Source: California Integrated Waste Management Board  
 Telephone: 916-341-6066  
 Last EDR Contact: 08/15/2013  
 Next Scheduled EDR Contact: 12/02/2013  
 Data Release Frequency: Varies

**Financial Assurance 1: Financial Assurance Information Listing**

Financial Assurance information

Date of Government Version: 06/30/2013  
 Date Data Arrived at EDR: 08/08/2013  
 Date Made Active in Reports: 08/27/2013  
 Number of Days to Update: 19

Source: Department of Toxic Substances Control  
 Telephone: 916-255-3628  
 Last EDR Contact: 10/25/2013  
 Next Scheduled EDR Contact: 02/11/2014  
 Data Release Frequency: Varies

**LEAD SMELTER 1: Lead Smelter Sites**

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013  
 Date Data Arrived at EDR: 02/14/2013  
 Date Made Active in Reports: 02/27/2013  
 Number of Days to Update: 13

Source: Environmental Protection Agency  
 Telephone: 703-603-8787  
 Last EDR Contact: 09/24/2013  
 Next Scheduled EDR Contact: 01/20/2014  
 Data Release Frequency: Varies

**LEAD SMELTER 2: Lead Smelter Sites**

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
 Date Data Arrived at EDR: 10/27/2010  
 Date Made Active in Reports: 12/02/2010  
 Number of Days to Update: 36

Source: American Journal of Public Health  
 Telephone: 703-305-6451  
 Last EDR Contact: 12/02/2009  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**2020 COR ACTION: 2020 Corrective Action Program List**

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011  
 Date Data Arrived at EDR: 05/18/2012  
 Date Made Active in Reports: 05/25/2012  
 Number of Days to Update: 7

Source: Environmental Protection Agency  
 Telephone: 703-308-4044  
 Last EDR Contact: 08/16/2013  
 Next Scheduled EDR Contact: 11/25/2013  
 Data Release Frequency: Varies

**FEDLAND: Federal and Indian Lands**

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: N/A

**PRP: Potentially Responsible Parties**

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013	Source: EPA
Date Data Arrived at EDR: 07/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 10/04/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Quarterly

**WDS: Waste Discharge System**

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 08/22/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

**US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)**

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

**US AIRS MINOR: Air Facility System Data**

A listing of minor source facilities.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

**EPA WATCH LIST: EPA WATCH LIST**

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2013	Telephone: 617-520-3000
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/07/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 11/25/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****EDR HIGH RISK HISTORICAL RECORDS***u s i e e o r s***EDR MGP: EDR Proprietary Manufactured Gas Plants**

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations**

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

**EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners**

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

**EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole**

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

## EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

**COUNTY RECORDS**

## ALAMEDA COUNTY:

## Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/25/2013	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/26/2013	Telephone: 510-567-6700
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Semi-Annually

## Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2013	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/26/2013	Telephone: 510-567-6700
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Semi-Annually

## AMADOR COUNTY:

## CUPA Facility List

Cupa Facility List

Date of Government Version: 06/20/2013	Source: Amador County Environmental Health
Date Data Arrived at EDR: 06/21/2013	Telephone: 209-223-6439
Date Made Active in Reports: 08/21/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

## BUTTE COUNTY:

## CUPA Facility Listing

Cupa facility list.

Date of Government Version: 08/01/2013	Source: Public Health Department
Date Data Arrived at EDR: 08/02/2013	Telephone: 530-538-7149
Date Made Active in Reports: 08/22/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility Listing

### Cupa Facility Listing

Date of Government Version: 06/30/2013  
Date Data Arrived at EDR: 07/24/2013  
Date Made Active in Reports: 08/09/2013  
Number of Days to Update: 16

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 09/30/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List

#### Cupa facility list.

Date of Government Version: 06/20/2013  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 08/09/2013  
Number of Days to Update: 39

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 10/04/2013  
Next Scheduled EDR Contact: 11/25/2013  
Data Release Frequency: Varies

## CONTRA COSTA COUNTY:

### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2013  
Date Data Arrived at EDR: 08/23/2013  
Date Made Active in Reports: 10/08/2013  
Number of Days to Update: 46

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List

#### Cupa Facility list

Date of Government Version: 01/09/2013  
Date Data Arrived at EDR: 01/10/2013  
Date Made Active in Reports: 02/25/2013  
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List

#### CUPA facility list.

Date of Government Version: 08/20/2013  
Date Data Arrived at EDR: 08/23/2013  
Date Made Active in Reports: 10/08/2013  
Number of Days to Update: 46

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Varies

## FRESNO COUNTY:

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

## CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2013  
Date Data Arrived at EDR: 07/16/2013  
Date Made Active in Reports: 07/24/2013  
Number of Days to Update: 8

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 10/09/2013  
Next Scheduled EDR Contact: 01/27/2014  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

## CUPA Facility List

CUPA facility list.

Date of Government Version: 08/09/2013  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 08/22/2013  
Number of Days to Update: 13

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 08/09/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

## CUPA Facility List

Cupa facility list.

Date of Government Version: 07/26/2013  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 08/22/2013  
Number of Days to Update: 13

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 10/28/2013  
Next Scheduled EDR Contact: 02/11/2014  
Data Release Frequency: Varies

## INYO COUNTY:

## CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 09/10/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## KERN COUNTY:

## Underground Storage Tank Sites &amp; Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010  
Date Data Arrived at EDR: 09/01/2010  
Date Made Active in Reports: 09/30/2010  
Number of Days to Update: 29

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 11/08/2013  
Next Scheduled EDR Contact: 02/24/2014  
Data Release Frequency: Quarterly

## KINGS COUNTY:

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****CUPA Facility List**

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/22/2013	Source: Kings County Department of Public Health
Date Data Arrived at EDR: 08/27/2013	Telephone: 559-584-1411
Date Made Active in Reports: 10/08/2013	Last EDR Contact: 08/22/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Varies

**LAKE COUNTY:****CUPA Facility List**

Cupa facility list

Date of Government Version: 01/23/2013	Source: Lake County Environmental Health
Date Data Arrived at EDR: 01/25/2013	Telephone: 707-263-1164
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

**LOS ANGELES COUNTY:****San Gabriel Valley Areas of Concern**

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009	Source: EPA Region 9
Date Data Arrived at EDR: 03/31/2009	Telephone: 415-972-3178
Date Made Active in Reports: 10/23/2009	Last EDR Contact: 09/23/2013
Number of Days to Update: 206	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: No Update Planned

**HMS: Street Number List**

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/28/2013	Source: Department of Public Works
Date Data Arrived at EDR: 06/17/2013	Telephone: 626-458-3517
Date Made Active in Reports: 08/21/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**List of Solid Waste Facilities**

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/22/2013	Source: La County Department of Public Works
Date Data Arrived at EDR: 07/22/2013	Telephone: 818-458-5185
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 10/22/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

**City of Los Angeles Landfills**

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/10/2009	Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 07/17/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/04/2013
	Data Release Frequency: Varies



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Site Mitigation List**

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2013	Source: Community Health Services
Date Data Arrived at EDR: 02/21/2013	Telephone: 323-890-7806
Date Made Active in Reports: 03/25/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Annually

**City of El Segundo Underground Storage Tank**

Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/31/2013	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 08/01/2013	Telephone: 310-524-2236
Date Made Active in Reports: 08/27/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Semi-Annually

**City of Long Beach Underground Storage Tank**

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 10/28/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Annually

**City of Torrance Underground Storage Tank**

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/15/2013	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/18/2013	Telephone: 310-618-2973
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

**MADERA COUNTY:****CUPA Facility List**

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/20/2013	Source: Madera County Environmental Health
Date Data Arrived at EDR: 09/24/2013	Telephone: 559-675-7823
Date Made Active in Reports: 10/18/2013	Last EDR Contact: 08/22/2013
Number of Days to Update: 24	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Varies

**MARIN COUNTY:****Underground Storage Tank Sites**

Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 11/28/2012	Telephone: 415-499-6647
Date Made Active in Reports: 01/21/2013	Last EDR Contact: 10/07/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Semi-Annually

**MERCED COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

## CUPA Facility List

CUPA facility list.

Date of Government Version: 08/23/2013  
 Date Data Arrived at EDR: 08/27/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 42

Source: Merced County Environmental Health  
 Telephone: 209-381-1094  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Varies

## MONO COUNTY:

## CUPA Facility List

CUPA Facility List

Date of Government Version: 09/04/2013  
 Date Data Arrived at EDR: 09/05/2013  
 Date Made Active in Reports: 10/14/2013  
 Number of Days to Update: 39

Source: Mono County Health Department  
 Telephone: 760-932-5580  
 Last EDR Contact: 09/03/2013  
 Next Scheduled EDR Contact: 12/16/2013  
 Data Release Frequency: Varies

## MONTEREY COUNTY:

## CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/11/2013  
 Date Data Arrived at EDR: 09/12/2013  
 Date Made Active in Reports: 10/14/2013  
 Number of Days to Update: 32

Source: Monterey County Health Department  
 Telephone: 831-796-1297  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Varies

## NAPA COUNTY:

## Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011  
 Date Data Arrived at EDR: 12/06/2011  
 Date Made Active in Reports: 02/07/2012  
 Number of Days to Update: 63

Source: Napa County Department of Environmental Management  
 Telephone: 707-253-4269  
 Last EDR Contact: 09/03/2013  
 Next Scheduled EDR Contact: 12/16/2013  
 Data Release Frequency: No Update Planned

## Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
 Date Data Arrived at EDR: 01/16/2008  
 Date Made Active in Reports: 02/08/2008  
 Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
 Telephone: 707-253-4269  
 Last EDR Contact: 09/03/2013  
 Next Scheduled EDR Contact: 12/16/2013  
 Data Release Frequency: No Update Planned

## NEVADA COUNTY:

## CUPA Facility List

CUPA facility list.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 05/29/2013  
 Date Data Arrived at EDR: 05/30/2013  
 Date Made Active in Reports: 07/15/2013  
 Number of Days to Update: 46

Source: Community Development Agency  
 Telephone: 530-265-1467  
 Last EDR Contact: 11/04/2013  
 Next Scheduled EDR Contact: 02/17/2014  
 Data Release Frequency: Varies

**ORANGE COUNTY:****List of Industrial Site Cleanups**

Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2013  
 Date Data Arrived at EDR: 08/13/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 56

Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Annually

**List of Underground Storage Tank Cleanups**

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/01/2013  
 Date Data Arrived at EDR: 08/13/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 56

Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**List of Underground Storage Tank Facilities**

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2013  
 Date Data Arrived at EDR: 08/13/2013  
 Date Made Active in Reports: 10/08/2013  
 Number of Days to Update: 56

Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**PLACER COUNTY:****Master List of Facilities**

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/22/2013  
 Date Data Arrived at EDR: 08/22/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 49

Source: Placer County Health and Human Services  
 Telephone: 530-745-2363  
 Last EDR Contact: 08/20/2013  
 Next Scheduled EDR Contact: 12/23/2013  
 Data Release Frequency: Semi-Annually

**RIVERSIDE COUNTY:****Listing of Underground Tank Cleanup Sites**

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/18/2013  
 Date Data Arrived at EDR: 07/18/2013  
 Date Made Active in Reports: 07/24/2013  
 Number of Days to Update: 6

Source: Department of Environmental Health  
 Telephone: 951-358-5055  
 Last EDR Contact: 09/23/2013  
 Next Scheduled EDR Contact: 01/08/2014  
 Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

## Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2013	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/18/2013	Telephone: 951-358-5055
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 09/23/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

## Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/03/2013	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/08/2013	Telephone: 916-875-8406
Date Made Active in Reports: 07/24/2013	Last EDR Contact: 10/07/2013
Number of Days to Update: 16	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

## Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/03/2013	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/08/2013	Telephone: 916-875-8406
Date Made Active in Reports: 08/23/2013	Last EDR Contact: 10/07/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

## Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/03/2013	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 09/03/2013	Telephone: 909-387-3041
Date Made Active in Reports: 10/10/2013	Last EDR Contact: 11/08/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/24/2014
	Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

## Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/24/2013	Telephone: 619-338-2268
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 09/23/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Solid Waste Facilities**

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012  
 Date Data Arrived at EDR: 11/06/2012  
 Date Made Active in Reports: 11/30/2012  
 Number of Days to Update: 24

Source: Department of Health Services  
 Telephone: 619-338-2209  
 Last EDR Contact: 10/28/2013  
 Next Scheduled EDR Contact: 02/11/2014  
 Data Release Frequency: Varies

**Environmental Case Listing**

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
 Date Data Arrived at EDR: 06/15/2010  
 Date Made Active in Reports: 07/09/2010  
 Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
 Telephone: 619-338-2371  
 Last EDR Contact: 09/10/2013  
 Next Scheduled EDR Contact: 12/23/2013  
 Data Release Frequency: No Update Planned

**SAN FRANCISCO COUNTY:****Local Oversight Facilities**

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
 Date Data Arrived at EDR: 09/19/2008  
 Date Made Active in Reports: 09/29/2008  
 Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
 Telephone: 415-252-3920  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**Underground Storage Tank Information**

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010  
 Date Data Arrived at EDR: 03/10/2011  
 Date Made Active in Reports: 03/15/2011  
 Number of Days to Update: 5

Source: Department of Public Health  
 Telephone: 415-252-3920  
 Last EDR Contact: 11/08/2013  
 Next Scheduled EDR Contact: 02/24/2014  
 Data Release Frequency: Quarterly

**SAN JOAQUIN COUNTY:****San Joaquin Co. UST**

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/25/2013  
 Date Data Arrived at EDR: 09/27/2013  
 Date Made Active in Reports: 10/18/2013  
 Number of Days to Update: 21

Source: Environmental Health Department  
 Telephone: N/A  
 Last EDR Contact: 09/23/2013  
 Next Scheduled EDR Contact: 01/08/2014  
 Data Release Frequency: Semi-Annually

**SAN LUIS OBISPO COUNTY:****CUPA Facility List**

Cupa Facility List.

Date of Government Version: 08/26/2013  
 Date Data Arrived at EDR: 08/27/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 44

Source: San Luis Obispo County Public Health Department  
 Telephone: 805-781-5596  
 Last EDR Contact: 08/22/2013  
 Next Scheduled EDR Contact: 12/09/2013  
 Data Release Frequency: Varies

**SAN MATEO COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****Business Inventory**

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/02/2013  
Date Data Arrived at EDR: 07/05/2013  
Date Made Active in Reports: 08/23/2013  
Number of Days to Update: 49

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/13/2013  
Next Scheduled EDR Contact: 09/30/2013  
Data Release Frequency: Annually

**Fuel Leak List**

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/16/2013  
Date Data Arrived at EDR: 09/17/2013  
Date Made Active in Reports: 10/16/2013  
Number of Days to Update: 29

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Semi-Annually

**SANTA BARBARA COUNTY:****CUPA Facility Listing**

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 09/23/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

**SANTA CLARA COUNTY:****Cupa Facility List**

Cupa facility list

Date of Government Version: 09/03/2013  
Date Data Arrived at EDR: 09/04/2013  
Date Made Active in Reports: 10/10/2013  
Number of Days to Update: 36

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: Varies

**HIST LUST - Fuel Leak Site Activity Report**

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

**LOP Listing**

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/03/2013  
Date Data Arrived at EDR: 09/06/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 38

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/14/2013  
Date Data Arrived at EDR: 08/16/2013  
Date Made Active in Reports: 10/08/2013  
Number of Days to Update: 53

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 11/08/2013  
Next Scheduled EDR Contact: 02/24/2014  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 08/22/2013  
Date Data Arrived at EDR: 08/27/2013  
Date Made Active in Reports: 10/10/2013  
Number of Days to Update: 44

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 08/22/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 09/09/2013  
Date Data Arrived at EDR: 09/10/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 34

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 08/22/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Varies

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/18/2013  
Date Data Arrived at EDR: 09/20/2013  
Date Made Active in Reports: 10/17/2013  
Number of Days to Update: 27

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/18/2013  
Date Data Arrived at EDR: 09/24/2013  
Date Made Active in Reports: 10/18/2013  
Number of Days to Update: 24

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 07/05/2013  
 Date Data Arrived at EDR: 07/05/2013  
 Date Made Active in Reports: 08/21/2013  
 Number of Days to Update: 47

Source: County of Sonoma Fire & Emergency Services Department  
 Telephone: 707-565-1174  
 Last EDR Contact: 09/30/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Varies

**Leaking Underground Storage Tank Sites**

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/02/2013  
 Date Data Arrived at EDR: 07/05/2013  
 Date Made Active in Reports: 08/12/2013  
 Number of Days to Update: 38

Source: Department of Health Services  
 Telephone: 707-565-6565  
 Last EDR Contact: 09/30/2013  
 Next Scheduled EDR Contact: 01/13/2014  
 Data Release Frequency: Quarterly

**SUTTER COUNTY:****Underground Storage Tanks**

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/10/2013  
 Date Data Arrived at EDR: 09/11/2013  
 Date Made Active in Reports: 10/14/2013  
 Number of Days to Update: 33

Source: Sutter County Department of Agriculture  
 Telephone: 530-822-7500  
 Last EDR Contact: 09/10/2013  
 Next Scheduled EDR Contact: 12/23/2013  
 Data Release Frequency: Semi-Annually

**TUOLUMNE COUNTY:****CUPA Facility List**

Cupa facility list

Date of Government Version: 01/14/2013  
 Date Data Arrived at EDR: 01/16/2013  
 Date Made Active in Reports: 02/27/2013  
 Number of Days to Update: 42

Source: Division of Environmental Health  
 Telephone: 209-533-5633  
 Last EDR Contact: 10/28/2013  
 Next Scheduled EDR Contact: 02/11/2014  
 Data Release Frequency: Varies

**VENTURA COUNTY:****Business Plan, Hazardous Waste Producers, and Operating Underground Tanks**

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 08/19/2013  
 Date Data Arrived at EDR: 08/27/2013  
 Date Made Active in Reports: 10/10/2013  
 Number of Days to Update: 44

Source: Ventura County Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 08/19/2013  
 Next Scheduled EDR Contact: 12/02/2013  
 Data Release Frequency: Quarterly

**Inventory of Illegal Abandoned and Inactive Sites**

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
 Date Data Arrived at EDR: 12/01/2011  
 Date Made Active in Reports: 01/19/2012  
 Number of Days to Update: 49

Source: Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 10/07/2013  
 Next Scheduled EDR Contact: 01/20/2014  
 Data Release Frequency: Annually



**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

## Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 08/19/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

## Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/28/2013	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 06/24/2013	Telephone: 805-654-2813
Date Made Active in Reports: 08/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

## Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/29/2013	Source: Environmental Health Division
Date Data Arrived at EDR: 09/18/2013	Telephone: 805-654-2813
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 09/16/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Quarterly

## YOLO COUNTY:

## Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/24/2013	Source: Yolo County Department of Health
Date Data Arrived at EDR: 06/26/2013	Telephone: 530-666-8646
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 09/23/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Annually

## YUBA COUNTY:

## CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/01/2013	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 08/05/2013	Telephone: 530-749-7523
Date Made Active in Reports: 08/22/2013	Last EDR Contact: 11/04/2013
Number of Days to Update: 17	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING****CT MANIFEST: Hazardous Waste Manifest Data**

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/19/2013  
Next Scheduled EDR Contact: 12/02/2013  
Data Release Frequency: Annually

**NJ MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/18/2013  
Next Scheduled EDR Contact: 01/27/2014  
Data Release Frequency: Annually

**NY MANIFEST: Facility and Manifest Data**

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 08/07/2013  
Date Made Active in Reports: 09/10/2013  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/07/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Annually

**PA MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 07/24/2013  
Date Made Active in Reports: 08/19/2013  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/21/2013  
Next Scheduled EDR Contact: 02/03/2014  
Data Release Frequency: Annually

**RI MANIFEST: Manifest information**

Hazardous waste manifest information

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 06/21/2013  
Date Made Active in Reports: 08/05/2013  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/23/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Annually

**WI MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 09/27/2013  
Number of Days to Update: 49

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

**Electric Power Transmission Line Data**

Source: Rextag Strategies Corp.  
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

**AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

**Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

**Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

**Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

**Daycare Centers: Licensed Facilities**

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

**Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

**STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

PROPOSED LA COSTA VALLEY RECREATIONAL FACILITIES  
1876-1942 CALLE BARCELONA  
CARLSBAD, CA 92009

### TARGET PROPERTY COORDINATES

Latitude (North): 33.074 - 33° 4' 26.40"  
Longitude (West): 117.2551 - 117° 15' 18.36"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 476189.0  
UTM Y (Meters): 3659328.2  
Elevation: 182 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 33117-A3 ENCINITAS, CA  
Most Recent Revision: 1975  
  
East Map: 33117-A2 RANCHO SANTA FE, CA  
Most Recent Revision: 1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

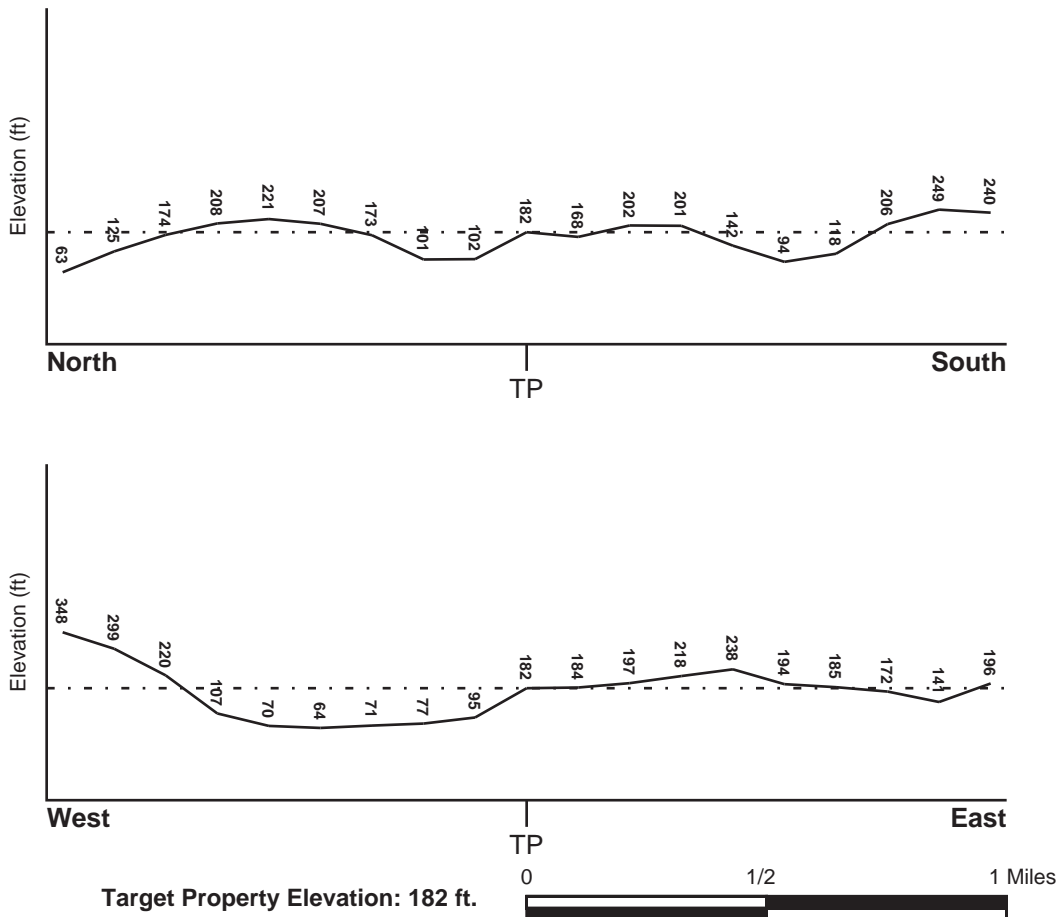
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

<u>Target Property County</u> SAN DIEGO, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06073C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ENCINITAS	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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### 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.

*i e e ifi y ro eoo i a a a*

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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

Era: Mesozoic  
System: Lower Jurassic and Upper Triassic  
Series: Lower Mesozoic  
Code: IMze (*decoded above as Era, System & Series*)

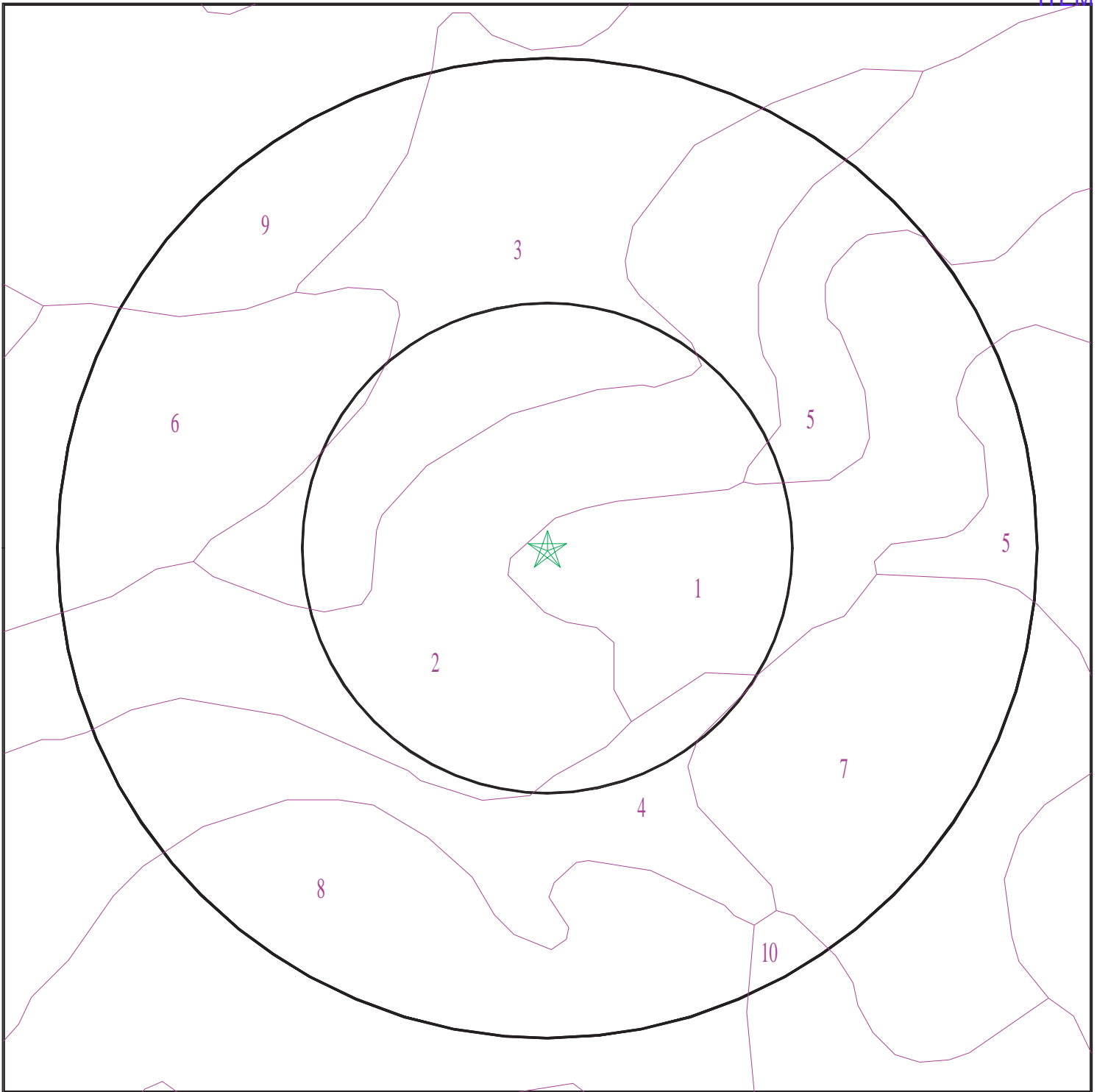
#### **GEOLOGIC AGE IDENTIFICATION**

Category: Eugeosynclinal Deposits

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 - 3785462.2s

ITEM 19



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Proposed La Costa Valley Recreational Facilities  
ADDRESS: 1876-1942 CALLE BARCELONA  
Carlsbad CA 92009  
LAT/LONG: 33.074 / 117.2551

CLIENT: URS Corporation  
CONTACT: Massoud Karimi  
INQUIRY #: 3785462.2s  
DATE: November 14, 2013 9:14 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.

#### S M I D

Soil Component Name: ROUGH BROKEN LAND

Soil Surface Texture: unweathered bedrock

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

S L I							
			C			S	
L	U	L	S T C	AASHTO G	U S		S R H
1	0 inches	1 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

#### S M I D

Soil Component Name: ALTAMONT

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	20 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	29 inches	33 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**S M ID**

Soil Component Name: SALINAS

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
2	22 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	46 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

**S M ID**

Soil Component Name: LOAMY ALLUVIAL LAND

Soil Surface Texture: variable

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: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	59 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**S M ID**

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

S L I							
				C		S	
L	U	L	S T C	AASHTO G	U S		S R H
1	0 inches	14 inches	loamy fine sand	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: 6.5 Min: 5.6
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
4	38 inches	48 inches	loamy coarse 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: 141 Min: 42	Max: 7.3 Min: 6.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**S M ID**

Soil Component Name: CORRALITOS

Soil Surface Texture: loamy 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: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	11 inches	loamy sand	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: 141 Min: 42	Max: 7.3 Min: 6.1
2	11 inches	42 inches	loamy fine sand	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: 141 Min: 42	Max: 7.3 Min: 6.1

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
3	42 inches	72 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

**S M ID**

Soil Component Name: CARLSBAD

Soil Surface Texture: gravelly loamy sand

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

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	20 inches	gravelly loamy 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: 6.5 Min: 5.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
2	20 inches	33 inches	loamy sand	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: 6.5 Min: 5.1
3	33 inches	50 inches	indurated	Not reported	Not reported	Max: Min:	Max: Min:

**S M ID**

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	14 inches	loamy fine sand	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: 6.5 Min: 5.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
4	38 inches	48 inches	loamy coarse 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: 141 Min: 42	Max: 7.3 Min: 6.6
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**S M ID**

Soil Component Name: CARLSBAD

Soil Surface Texture: gravelly loamy sand

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: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches



**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	20 inches	gravelly loamy 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: 6.5 Min: 5.6
2	20 inches	27 inches	loamy 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: 6.5 Min: 5.1
3	27 inches	42 inches	indurated	Not reported	Not reported	Max: Min:	Max: Min:

**S M ID**

Soil Component Name: LAS FLORES

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

S L I							
L	U	L	S T C	C		S	S R H
				AASHTO G	U S		
1	0 inches	14 inches	loamy fine sand	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: 6.5 Min: 5.6
2	14 inches	22 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
3	22 inches	38 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
4	38 inches	48 inches	loamy coarse 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: 141 Min: 42	Max: 7.3 Min: 6.6
5	48 inches	51 inches	weathered bedrock	Not reported	Not reported	Max: Min:	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**

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

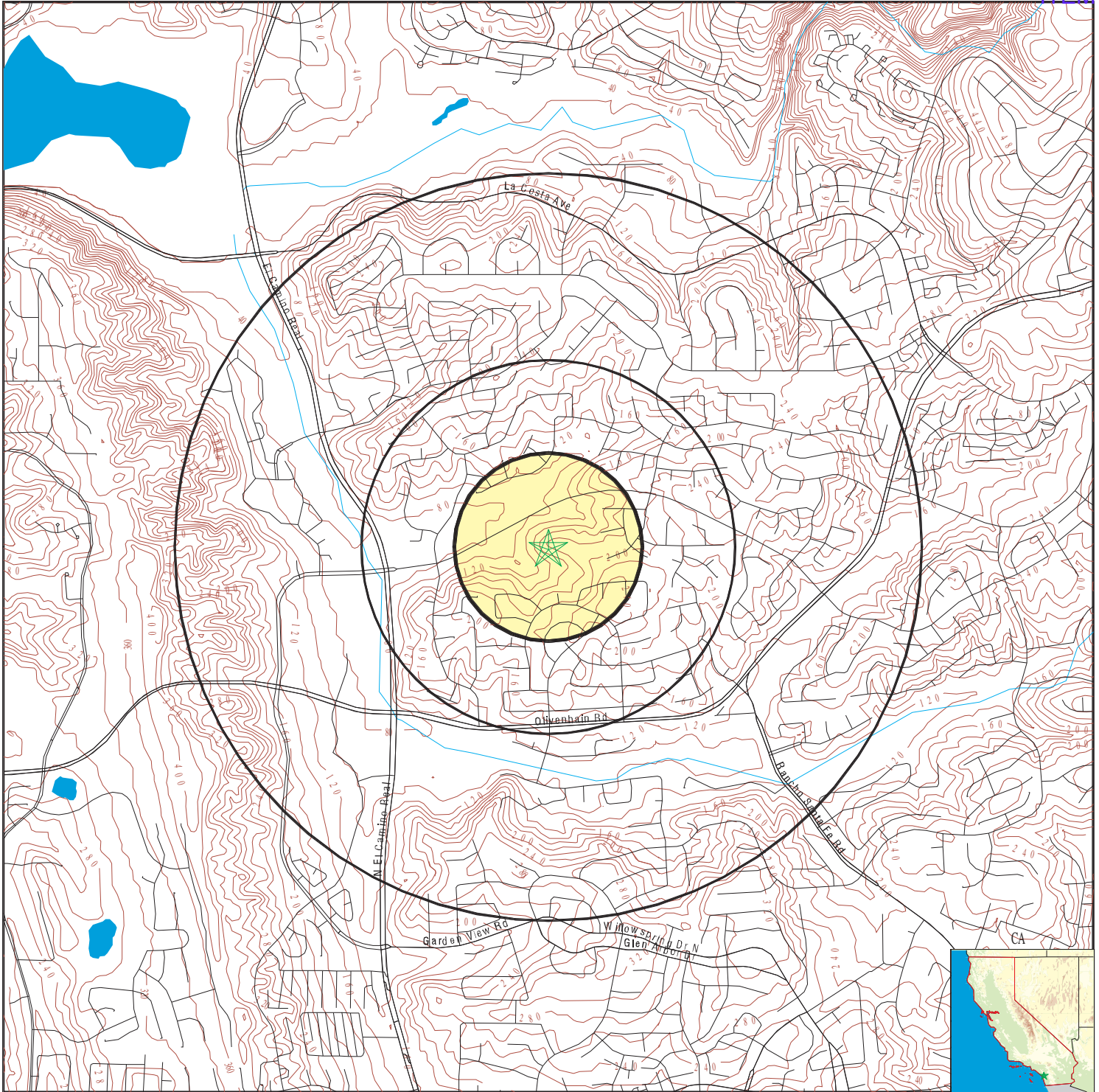
Note: PWS System location is not always the same as well location.

### STATE DATA BASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

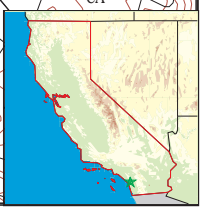
# PHYSICAL SETTING SOURCE MAP - 3785462.2s

ITEM 19



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



<p><b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities  <b>ADDRESS:</b> 1876-1942 CALLE BARCELONA                  Carlsbad CA 92009  <b>LAT/LONG:</b> 33.074 / 117.2551</p>	<p><b>CLIENT:</b> URS Corporation  <b>CONTACT:</b> Massoud Karimi  <b>INQUIRY #:</b> 3785462.2s  <b>DATE:</b> November 14, 2013 9:14 am</p>
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## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

State Database: CA Radon

#### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92009	23	0

Federal EPA Radon Zone for SAN DIEGO County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

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#### Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> 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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### LOCAL REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

##### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

##### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

##### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

##### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

##### California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

### OTHER STATE DATA ASE INFORMATION

##### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

#### RADON

##### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

##### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

##### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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# APPENDIX C

## Environmental Lien Search Report

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**Proposed La Costa Valley Recreational Facilities**

1876-1942 CALLE BARCELONA  
Carlsbad, CA 92009

Inquiry Number: 3785462.7  
November 18, 2013

## EDR Environmental Lien and AUL Search



Environmental Data Resources Inc

440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

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

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# EDR Environmental Lien and AUL Search

**TARGET PROPERTY INFORMATION**

**ADDRESS**

1876-1942 CALLE BARCELONA  
Proposed La Costa Valley Recreational Facilities  
Carlsbad, CA 92009

**RESEARCH SOURCE**

**Source 1:**  
San Diego Recorder  
San Diego, CA

**PROPERTY INFORMATION**

**Deed 1:**

Type of Deed: deed  
Title is vested in: San Diegionion High School Dist  
Title received from: Villages of La Costa Southwest LLC  
Deed Dated: 9/15/1999  
Deed Recorded: 9/17/1999  
Book: NA  
Page: na  
Volume: na  
Instrument: na  
Docket: NA  
Land Record Comments:  
Miscellaneous Comments:

**Legal Description:** See Exhibit  
**Legal Current Owner:** San Diegionion High School Dist  
**Parcel # / Property Identifier:** 255-273-08-00  
**Comments:** See Exhibit

**ENVIRONMENTAL LIEN**

Environmental Lien: Found  Not Found

**OTHER ACTIVITY AND USE LIMITATIONS (AULs)**

AULs: Found  Not Found

## **Deed Exhibit 1**

RECORDED REQUEST OF  
**First American Title**  
SUBDIVISION MAPPING DEPT.

DOC # 1999-0639240

SEP 17, 1999 3:33 PM

RECORDING REQUESTED BY AND 7262  
WHEN RECORDED MAIL TO:

San Dieguito Union H.S. District  
710 Encinitas Blvd.  
Encinitas, CA 92024  
Attention: William A. Berrier

OFFICIAL RECORDS  
SAN DIEGO COUNTY RECORDER'S OFFICE  
GREGORY J. SMITH, COUNTY RECORDER  
FEES: 0.00  
DC: NA

TAX: N.D.

MAIL TAX STATEMENTS TO:  
Same as above



1999-0639240

(Above space for Recorder's Use Only)

255-273-08

FL  
7P  
NP  
NF  
OCNA  
TT

GRANT DEED

In accordance with Section 11932 of the California Revenue and Taxation Code, Grantor has declared the amount of transfer tax which is due by a separate statement which is not being recorded with this Grant Deed.

For a valuable consideration, receipt of which is hereby acknowledged, VILLAGES OF LA COSTA SOUTHWEST, L.L.C., a Delaware limited liability company, hereby grants to the SAN DIEGUITO UNION HIGH SCHOOL DISTRICT, a California School District, the real property in the City of Carlsbad, County of San Diego, State of California, and more particularly described in Exhibit "A" attached hereto and made a part hereof ("Property").

This conveyance is subject to non-delinquent taxes and general, special and supplemental assessments and bonds, and all covenants, conditions, restrictions, easements, licences, reservations, rights, rights-of-way and other matters of record affecting the Property and matters which could be ascertained by an inspection or survey of the Property.

RESERVING UNTO GRANTOR, its successors and assigns together with the right to grant and transfer all or a portion of the same, a non-exclusive easement on, under, over, through and across the Property for the purpose of (a) constructing all public improvements required in connection with Final Tract Map Nos. 13386, (b) constructing common area and master homeowners association improvements, and (c) completing any subdivision and grading improvements or performing any maintenance required by Grantor for release of its subdivision and grading improvement bonds and deposits. Upon completion of the purposes described in the preceding sentence, said easements reserved herein shall terminate.

Also reserving unto Grantor for the benefit of its adjacent property, consisting of LOTS 1073 THROUGH 1079 OF CARLSBAD TRACT NO.88-03-03, ARROYO LA COSTA, UNIT 3, IN

1173026-11

7263

THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13636, FILED IN THE OFFICE OF COUNTY RECORDER, SEPTEMBER 18, 1998 ("Benefitted Property"), together with the right to assign to future owners of the benefitted property, a "Cross Lot Drainage Easement" as more particularly described on Exhibit "B-1" hereto and depicted on Exhibit "B-2".

Provided further, reserving unto Grantor that certain "right of refusal" as set forth in Section 3.4(f) of that certain "Funding and Mitigation Agreement" dated July 28, 1994 by and between Grantee and Grantor's predecessor in title, Fieldstone La Costa Associates Limited Partnership.

DATED: SEPTEMBER 15, 1999

VILLAGES OF LA COSTA SOUTHWEST, L.L.C.,  
a Delaware limited liability company

By: Real Estate Collateral Management Company,  
a Delaware corporation  
Its: Managing Member

By: [Signature]  
Name: JAMES H. JACKSON  
Title: Vice President

By: William A. Bernier  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

7264

CERTIFICATION OF ACCEPTANCE

This is to certify that the interest in real property conveyed by grant deed dated September 15, 1999, from the Villages of La Costa Southwest, LLC, a Delaware limited liability company, to San Dieguito Union High School District of San Diego County, California, is hereby accepted by the undersigned officer on behalf of the Governing Board of said School District pursuant to authority conferred by resolution of the Governing Board of said School District adopted on July 15, 1999, and the grantee consents to the recordation thereof by its duly authorized officer.

Dated: 9/15/99

By: William A. Bernier  
(Superintendent)

Secretary to the Governing Board

Exhibit "C"



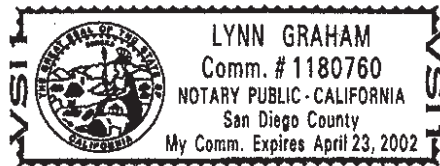
7265  
ACKNOWLEDGMENT

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF San Diego )

On Sept 15 1999, before me Lynn Graham, personally appeared James M. Jackson, personally known to me (or 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.

WITNESS my hand and official seal.

[Signature]  
\_\_\_\_\_  
Notary Public in and for said  
County and State



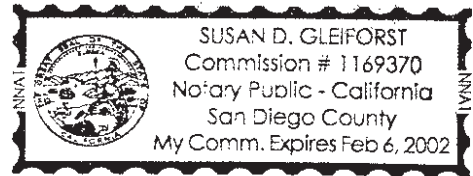
[SEAL]

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF SAN DIEGO )

On SEPT. 15, 1999, before me SUSAN D. GLEIFORST, personally appeared WILLIAM A. BERRIER, personally known to me (or 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.

WITNESS my hand and official seal.

[Signature]  
\_\_\_\_\_  
Notary Public in and for said  
County and State



[SEAL]

7266

EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA,  
COUNTY OF SAN DIEGO, AND IS DESCRIBED AS FOLLOWS:

LOT 483 OF CARLSBAD TRACT NO. 88-03-2, ARROYO LA COSTA, UNIT 2, IN THE CITY  
OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO  
MAP THEREOF NO. 13386, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN  
DIEGO COUNTY, DECEMBER 20, 1996.

EXHIBIT "A"  
TO GRANT DEED

7267

EXHIBIT "B-1"CROSS LOT DRAINAGE EASEMENT

An easement for the drainage of any surface water or runoff from the **BENEFITTED PROPERTY** (as defined below) under, over and across the **EASEMENT AREA** (as defined below), including the drainage into the existing and future drainage facilities, brow ditches or similar structures, which structures shall be maintained, and may be relocated, at the cost and expense of the owner of the **BURDENED PROPERTY** (as defined below). The **EASEMENT AREA** is more particularly shown on the diagram attached hereto as Exhibit "B-2".

**EASEMENT AREA.** THAT PORTION OF LOT 483 OF CARLSBAD TRACT NO. 88-03-2, ARROYO LA COSTA, UNIT 2, IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13386, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DECEMBER 20, 1996, CONSISTING OF A FIVE (5) FOOT WIDE STRIP OF LAND THE SOUTHERLY BOUNDARY OF SAID FIVE (5) FOOT STRIP BEING THE SOUTHERLY BOUNDARY OF SAID LOT, COMMENCING AT THE SOUTHEASTERLY MOST CORNER OF SAID LOT AND EXTENDING WESTERLY ALONG THE SOUTHERLY LOT BOUNDARY AND ENDING AT THE EXISTING TWENTY (20) FOOT WIDE DRAINAGE EASEMENT PER SAID MAP THEREOF NO. 13386, AS MORE PARTICULARLY SHOWN ON EXHIBIT "B-2" HEREOF.

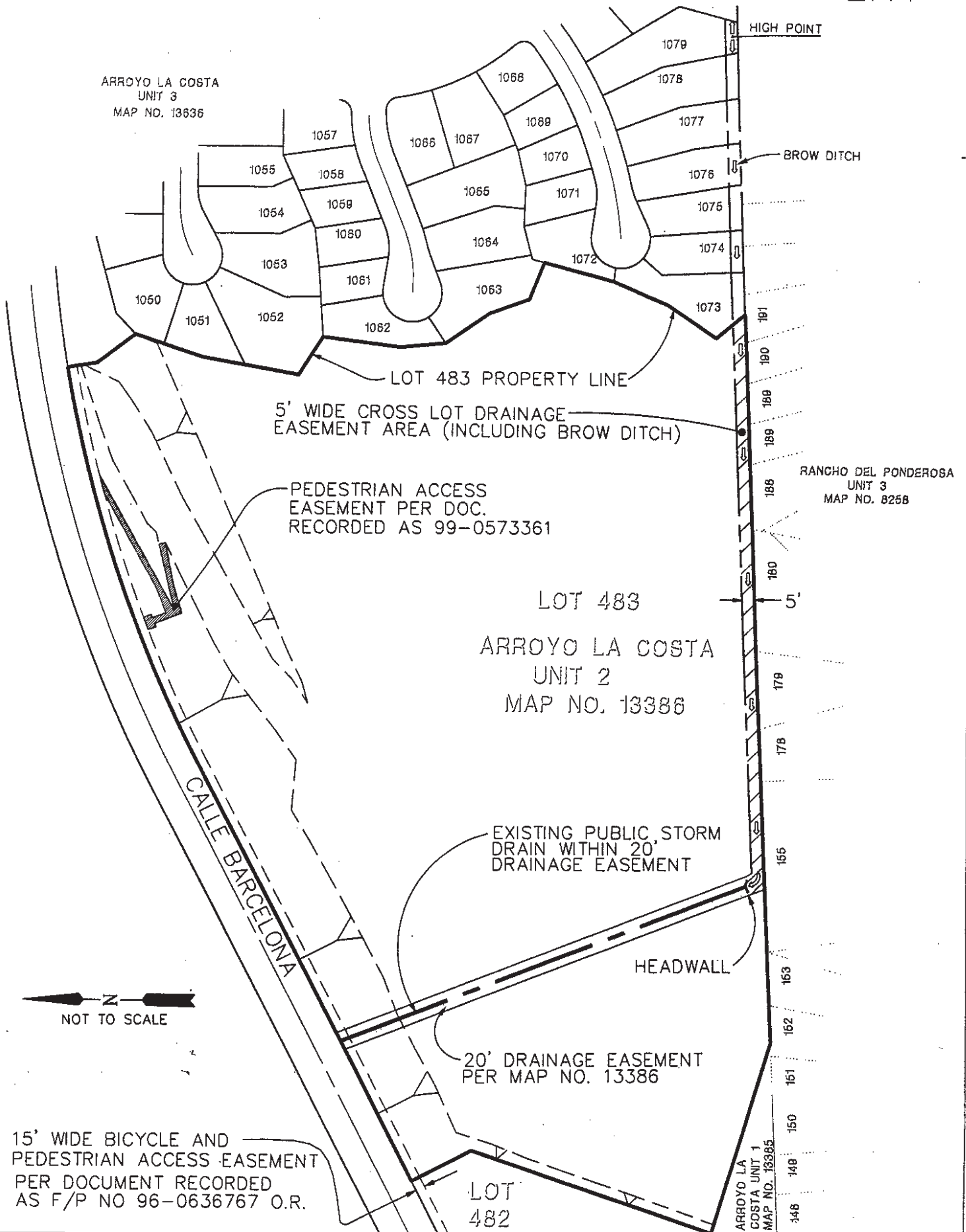
**BENEFITTED PROPERTY.** LOTS 1073 THROUGH 1079 OF CARLSBAD TRACT NO. 88-03-03, ARROYO LA COSTA, UNIT 3, IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13636, FILED IN THE OFFICE OF COUNTY RECORDER, SEPTEMBER 18, 1998

**BURDENED PROPERTY.** LOT 483 OF CARLSBAD TRACT NO. 88-03-2, ARROYO LA COSTA, UNIT 2, IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13386, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DECEMBER 20, 1996.

EXHIBIT "B-1"  
TO GRANT DEED

# EXHIBIT "B-2" 7268

## 5' WIDE CROSS LOT DRAINAGE EASEMENT



7269

First American Title- SAN DIEGO, 411 IVY ST., SAN DIEGO, CA 920101

TO:  
GREG SMITH - COUNTY RECORDER

SAN DIEGO COUNTY

THE AMOUNT OF REMITTANCE BELOW IS IN FULL PAYMENT OF THE DOCUMENTARY TRANSFER TAX FOR THE DOCUMENT ATTACHED AND DESCRIBED BELOW. WHEN TAX PAYMENT IS VERIFIED AND AFTER THE PERMANENT RECORD IS MADE, ATTACH THIS REQUEST TO THE DOCUMENT PURSUANT TO SECTION 11932 R & T CODE.

GRANTOR: VILLAGES OF LA COSTA SOUTHWEST, LLC

GRANTEE: SAN DIEGUITO UNION HIGH SCHOOL DISTRICT

DOCUMENTARY TRANSFER TAX \$6,402.00

XXX COMPUTED ON FULL VALUE OF PROPERTY CONVEYED,



\_\_\_\_\_  
ROY PROVENCE, FIRST AMERICAN TITLE INSURANCE COMPANY

UNINCORPORATED AREA \_

CITY OF CARLSBAD

PARCEL NO: 255-273-08

DATED: September 17, 1999 \_\_\_\_\_

DATE OF RECORDATION: \_\_\_\_\_ DOCUMENT NO. \_\_\_\_\_

\_\_\_\_\_  
FIRST AMERICAN TITLE INSURANCE CO.  
(SIGNATURE OF PARTY SUBMITTING FOR RECORDATION)

# APPENDIX D

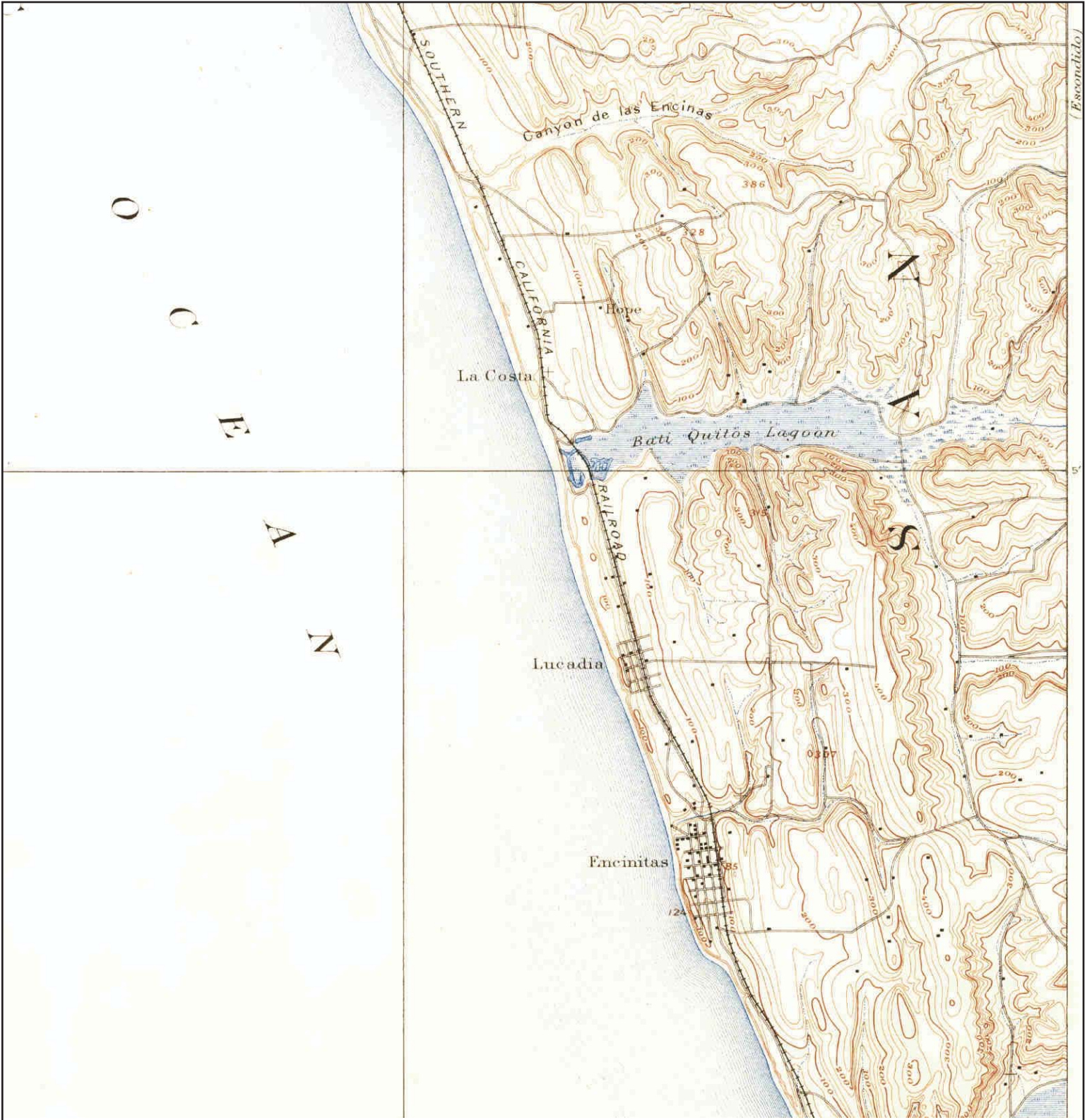
## Historical Topographic Maps


---



	<b>ADJOINING QUAD</b>		
	NAME: ESCONDIDO	SITE NAME: Proposed La Costa Valley Recreational Facilities	CLIENT: URS Corporation
	MAP YEAR: 1893	ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009	CONTACT: Massoud Karimi
	SERIES: 15	LAT/LONG: 33.074 / -117.2551	INQUIRY#: 3785462.4
	SCALE: 1:62500		RESEARCH DATE: 11/14/2013

H T M



	<b>TARGET QUAD</b> NAME: OCEANSIDE MAP YEAR: 1893	SITE NAME: Proposed La Costa Valley Recreational Facilities ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009 LAT/LONG: 33.074 / -117.2551	CLIENT: URS Corporation CONTACT: Massoud Karimi INQUIRY#: 3785462.4 RESEARCH DATE: 11/14/2013
	SERIES: 15 SCALE: 1:62500		



H T M

ITEM 19



<p>N ↑</p>	<b>ADJOINING QUAD</b>						
	NAME:	ESCONDIDO		SITE NAME:	Proposed La Costa Valley Recreational Facilities	CLIENT:	URS Corporation
	MAP YEAR:	1901		ADDRESS:	1876-1942 CALLE BARCELONA Carlsbad, CA 92009	CONTACT:	Massoud Karimi
	SERIES:	15		LAT/LONG:	33.074 / -117.2551	INQUIRY#:	3785462.4
	SCALE:	1:62500			RESEARCH DATE:	11/14/2013	


H T M

ITEM 19



<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	<b>NAME:</b> SAN LUIS REY		<b>CONTACT:</b> Massoud Karimi
	<b>MAP YEAR:</b> 1901	<b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009	<b>INQUIRY#:</b> 3785462.4
	<b>SERIES:</b> 30	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>RESEARCH DATE:</b> 11/14/2013
	<b>SCALE:</b> 1:125000		



	<b>TARGET QUAD</b> NAME: OCEANSIDE MAP YEAR: 1901	SITE NAME: Proposed La Costa Valley Recreational Facilities ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009 LAT/LONG: 33.074 / -117.2551	CLIENT: URS Corporation CONTACT: Massoud Karimi INQUIRY#: 3785462.4 RESEARCH DATE: 11/14/2013
	SERIES: 15 SCALE: 1:62500		

H T M

ITEM 19

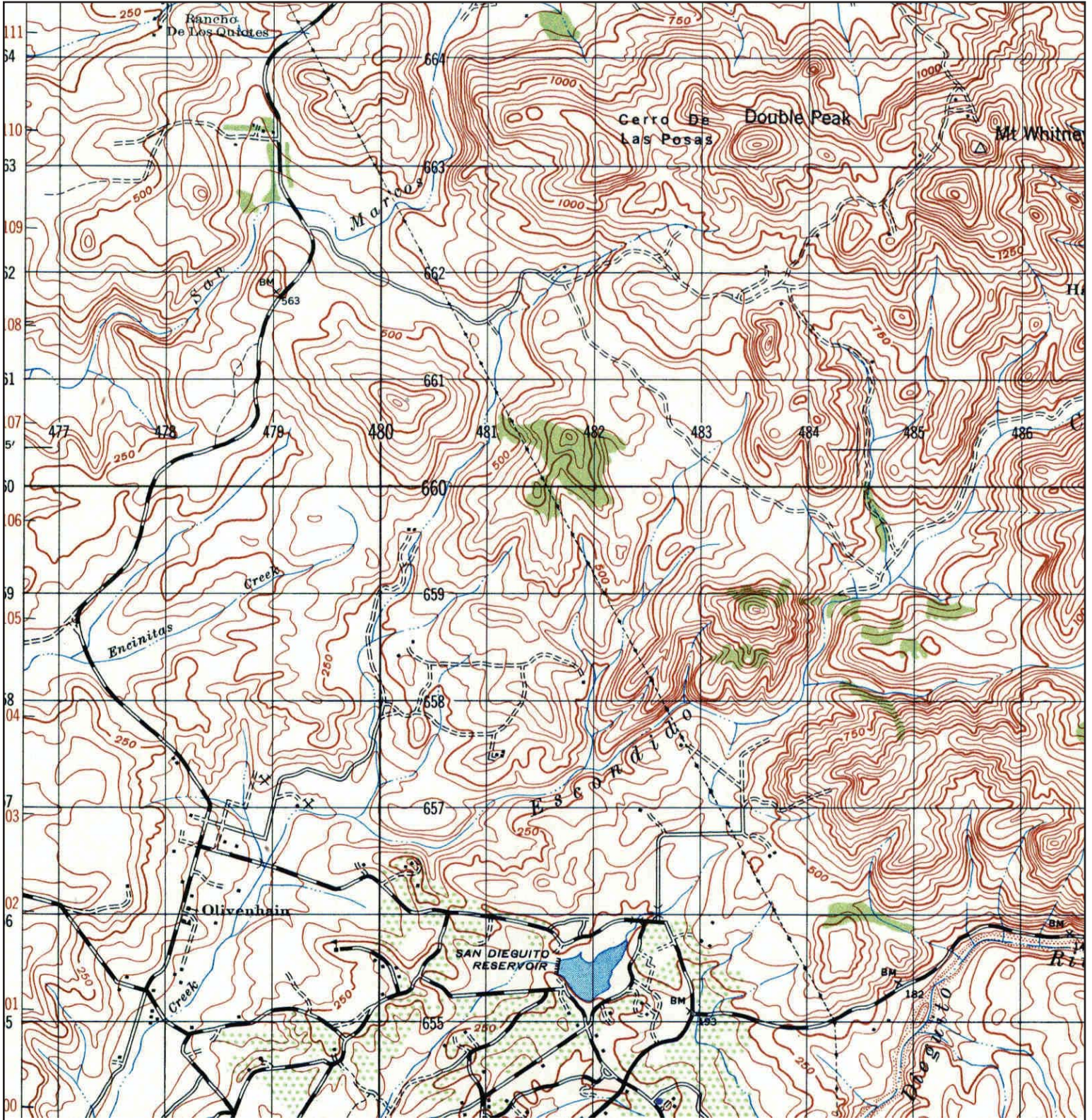



U A T M

<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	<b>NAME:</b> SOUTHERN CA SHEET 2	<b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009	<b>CONTACT:</b> Massoud Karimi
	<b>MAP YEAR:</b> 1904	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>INQUIRY#:</b> 3785462.4
	<b>SERIES:</b> 60		<b>RESEARCH DATE:</b> 11/14/2013
	<b>SCALE:</b> 1:250000		

H T M

ITEM 19




<p>N</p> 	ADJOINING QUAD	SITE NAME:	CLIENT:
	NAME: ESCONDIDO	Proposed La Costa Valley	URS Corporation
	MAP YEAR: 1947	Recreational Facilities	CONTACT: Massoud Karimi
	SERIES: 15	ADDRESS: 1876-1942 CALLE BARCELONA	INQUIRY#: 3785462.4
SCALE: 1:50000	Carlsbad, CA 92009	LAT/LONG: 33.074 / -117.2551	RESEARCH DATE: 11/14/2013

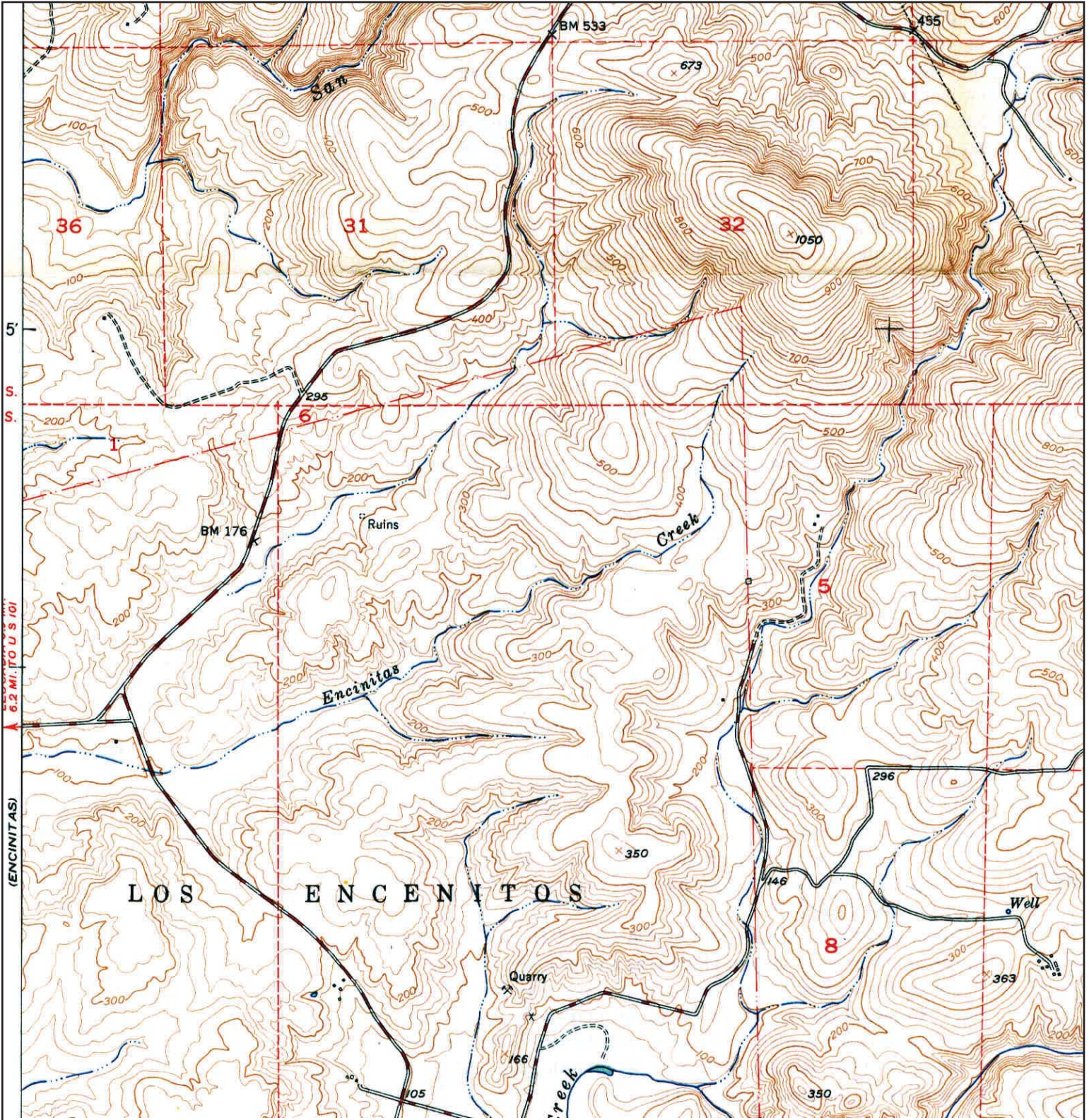
H T M

ITEM 19

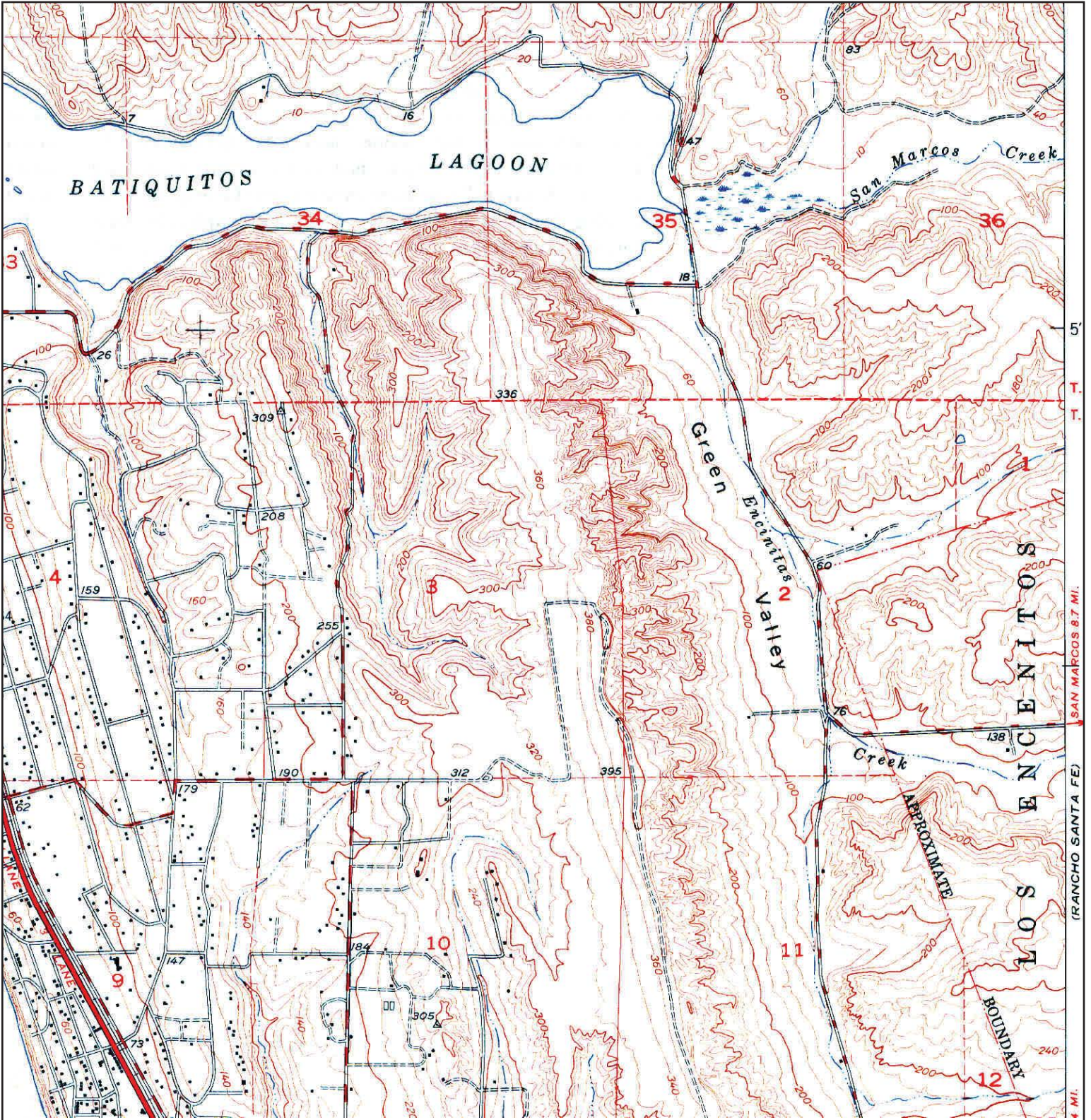


<p>N</p> 	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	NAME: OCEANSIDE	ADDRESS: 1876-1942 CALLE BARCELONA	<b>CONTACT:</b> Massoud Karimi
	MAP YEAR: 1947	Carlsbad, CA 92009	<b>INQUIRY#:</b> 3785462.4
	SERIES: 15	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>RESEARCH DATE:</b> 11/14/2013
	SCALE: 1:50000		

H T M



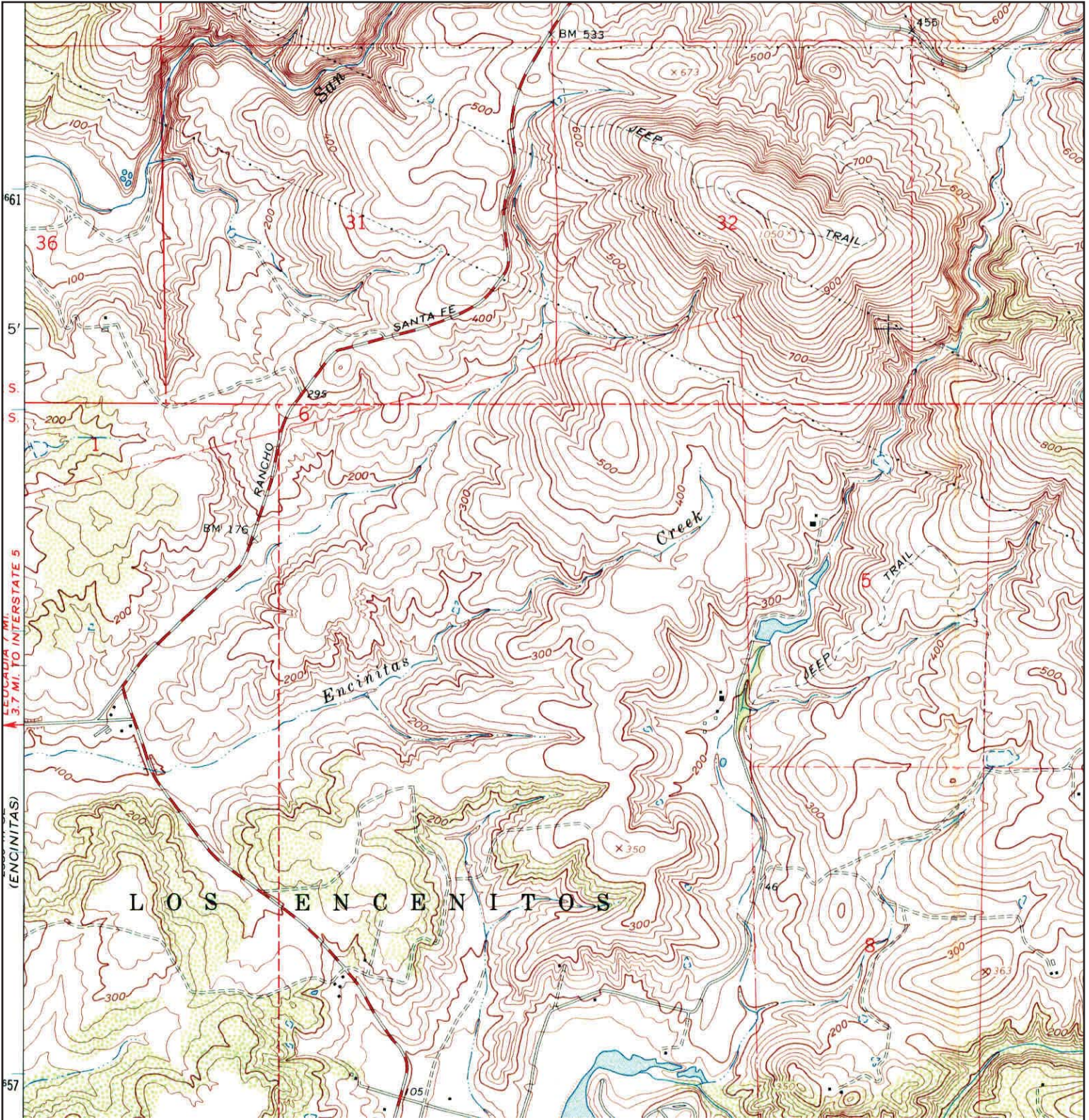
N ↑	ADJOINING QUAD NAME: RANCHO SANTA FE MAP YEAR: 1949	SITE NAME: Proposed La Costa Valley Recreational Facilities ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009 LAT/LONG: 33.074 / -117.2551	CLIENT: URS Corporation CONTACT: Massoud Karimi INQUIRY#: 3785462.4 RESEARCH DATE: 11/14/2013
	SERIES: 7.5 SCALE: 1:24000		



<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: ENCINITAS                  MAP YEAR: 1949</p>	<p><b>SITE NAME:</b> Proposed La Costa Valley                  Recreational Facilities</p>	<p><b>CLIENT:</b> URS Corporation</p>
	<p><b>SERIES:</b> 7.5</p>	<p><b>ADDRESS:</b> 1876-1942 CALLE BARCELONA                  Carlsbad, CA 92009</p>	<p><b>CONTACT:</b> Massoud Karimi</p>
	<p><b>SCALE:</b> 1:24000</p>	<p><b>LAT/LONG:</b> 33.074 / -117.2551</p>	<p><b>INQUIRY#:</b> 3785462.4</p>
			<p><b>RESEARCH DATE:</b> 11/14/2013</p>



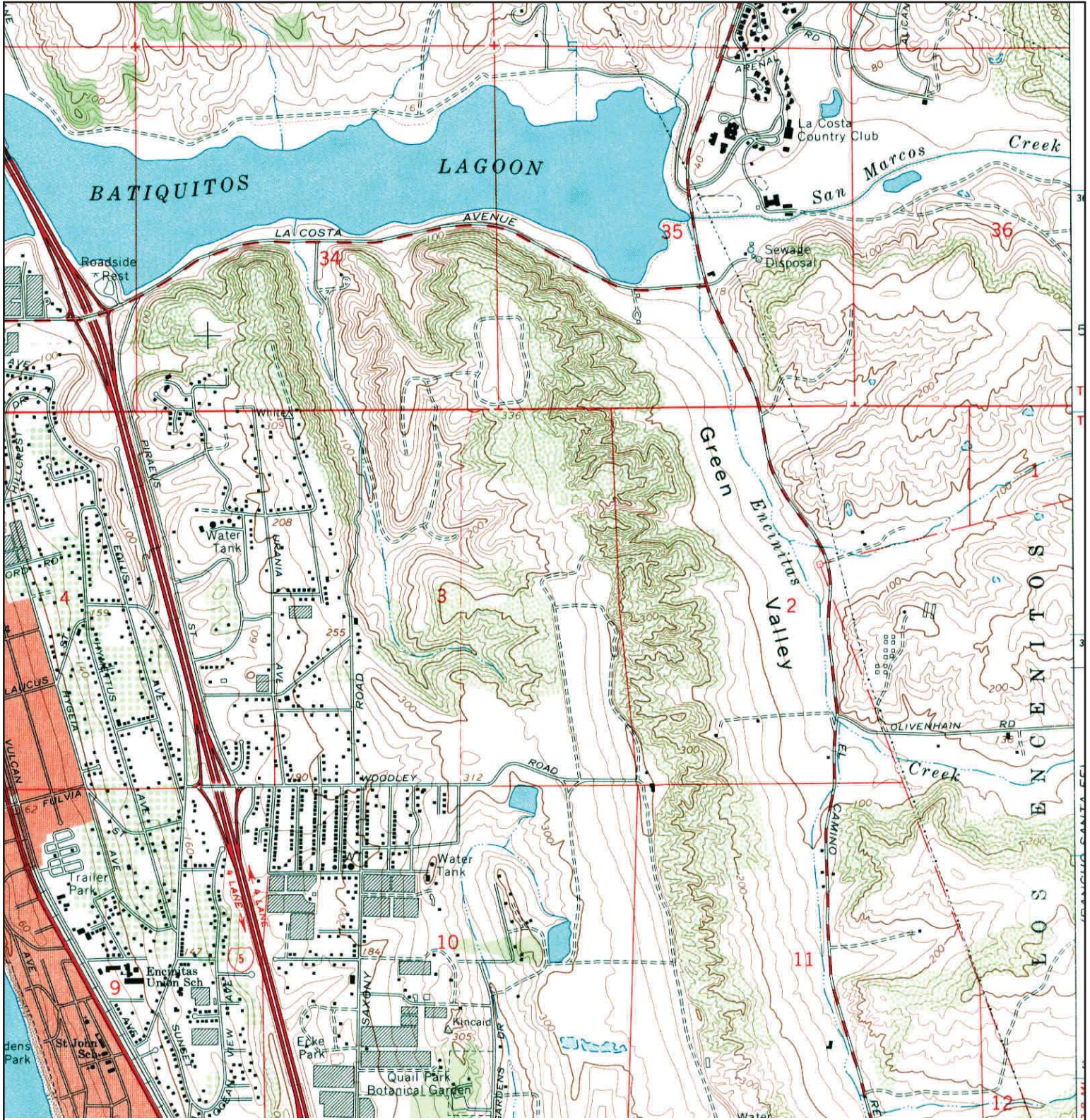
H T M



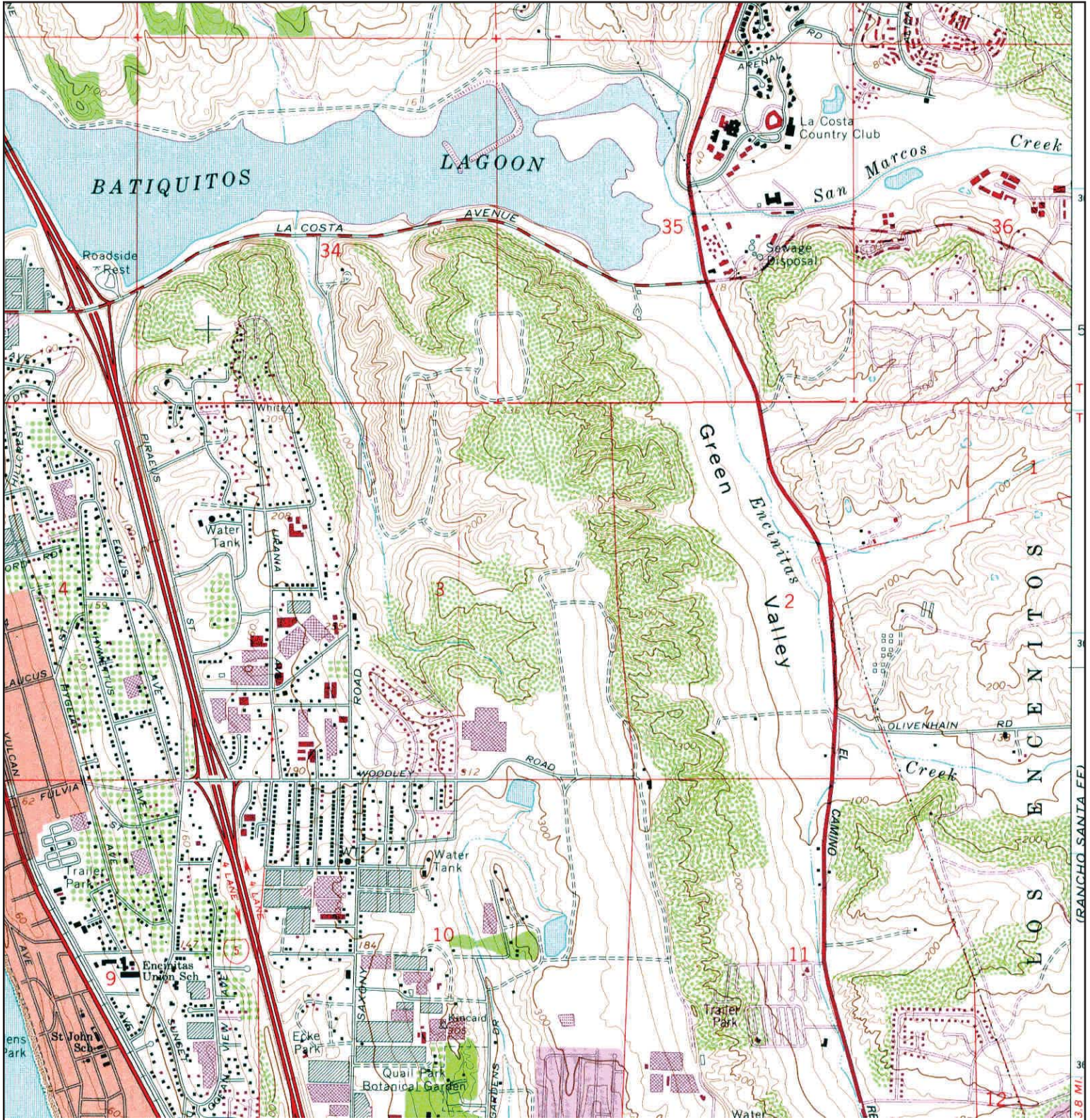
<p>N ↑</p>	<p><b>ADJOINING QUAD</b> NAME: RANCHO SANTA FE MAP YEAR: 1968</p>	<p><b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities</p>	<p><b>CLIENT:</b> URS Corporation</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p><b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009</p> <p><b>LAT/LONG:</b> 33.074 / -117.2551</p>	<p><b>CONTACT:</b> Massoud Karimi</p> <p><b>INQUIRY#:</b> 3785462.4</p> <p><b>RESEARCH DATE:</b> 11/14/2013</p>

H T M

ITEM 19

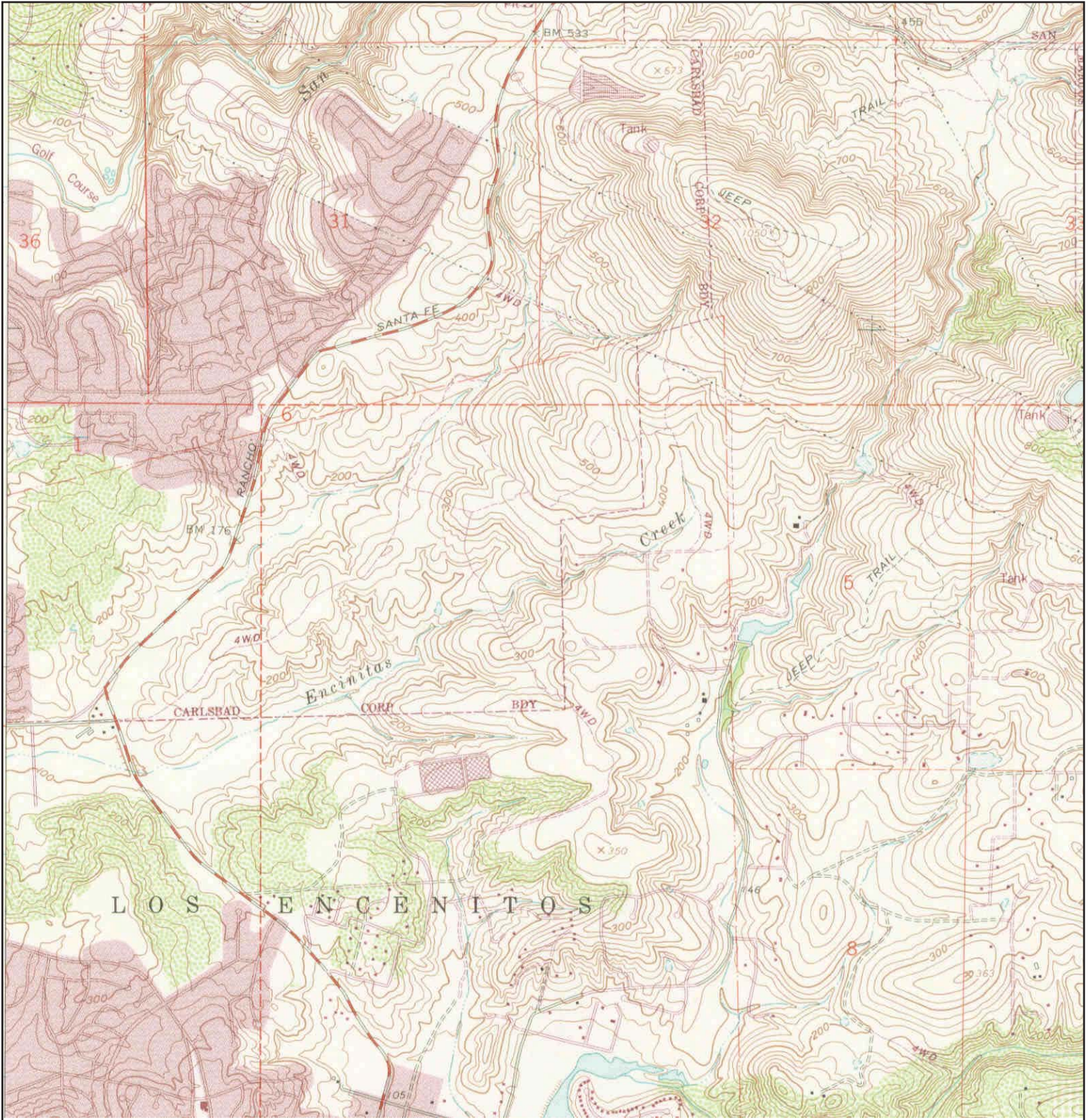


<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	<b>NAME:</b> ENCINITAS	<b>ADDRESS:</b> 1876-1942 CALLE BARCELONA	<b>CONTACT:</b> Massoud Karimi
	<b>MAP YEAR:</b> 1968	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>INQUIRY#:</b> 3785462.4
	<b>SERIES:</b> 7.5		<b>RESEARCH DATE:</b> 11/14/2013
	<b>SCALE:</b> 1:24000		



<p>N</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b>	Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b>	URS Corporation
	NAME: ENCINITAS	<b>ADDRESS:</b>	1876-1942 CALLE BARCELONA	<b>CONTACT:</b>	Massoud Karimi
	MAP YEAR: 1975		Carlsbad, CA 92009	<b>INQUIRY#:</b>	3785462.4
	PHOTOREVISED FROM :1968	<b>LAT/LONG:</b>	33.074 / -117.2551	<b>RESEARCH DATE:</b>	11/14/2013
	SERIES: 7.5				
	SCALE: 1:24000				

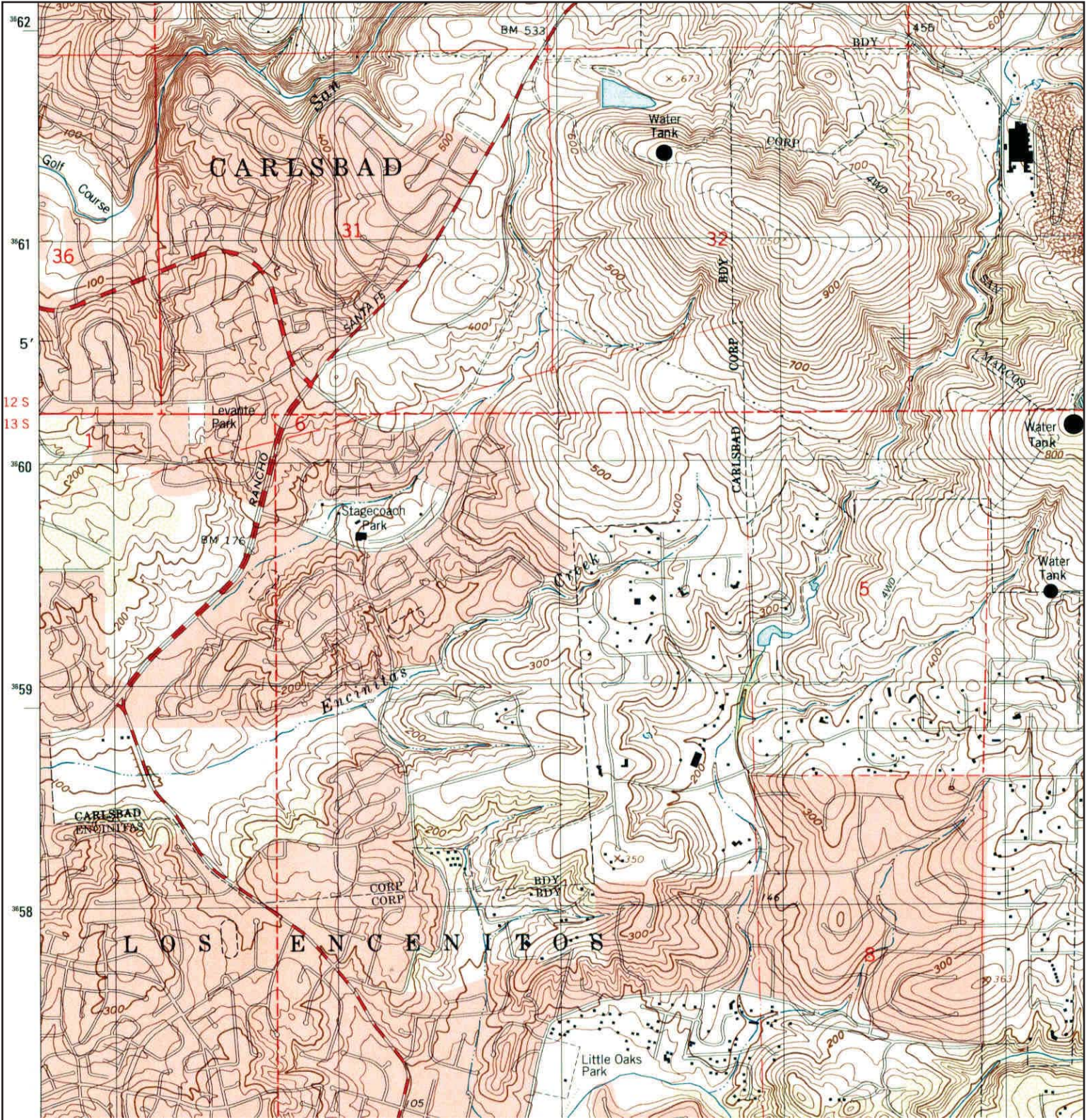
**H T M**



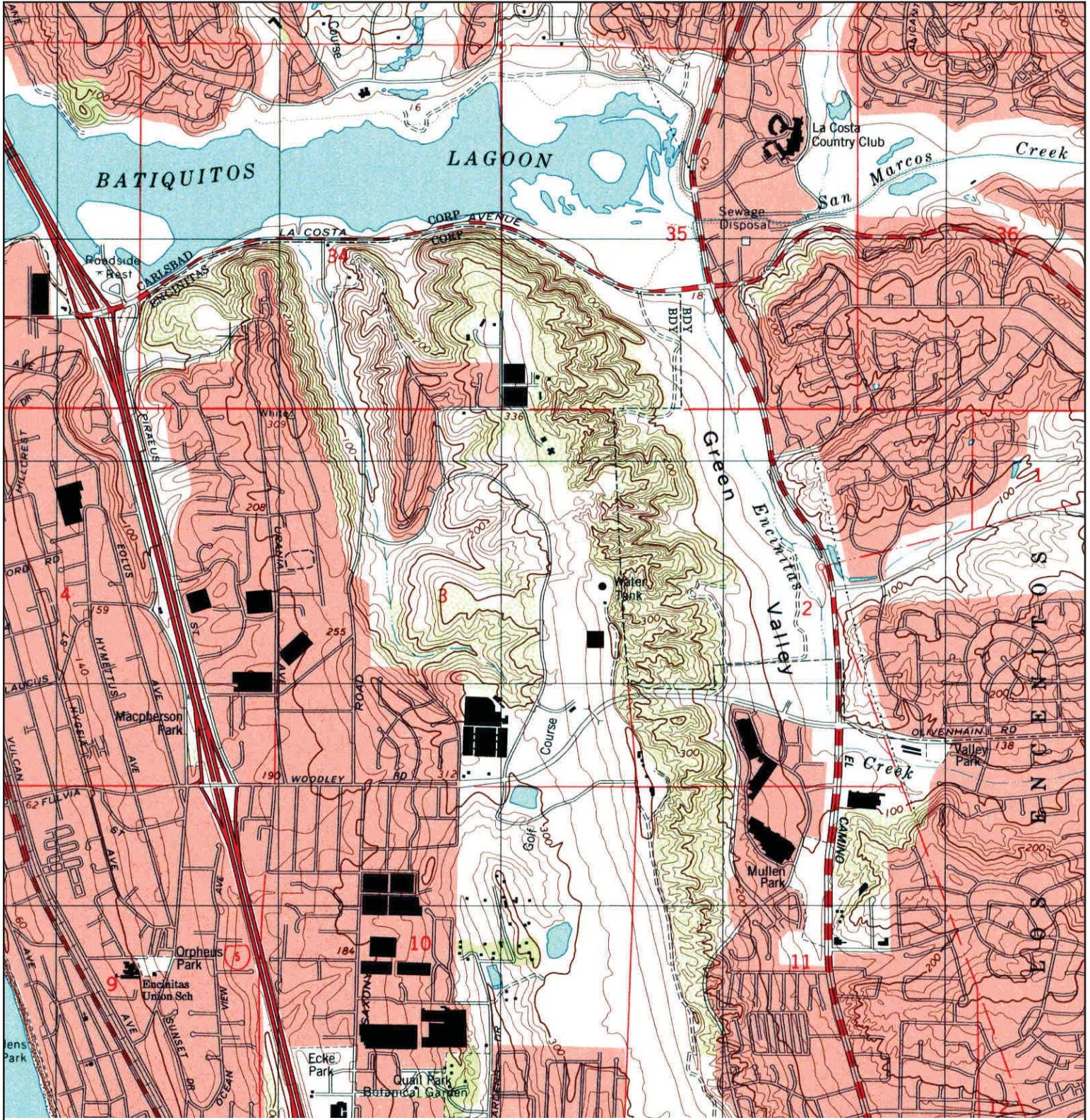
	<b>ADJOINING QUAD</b>		
	NAME: RANCHO SANTA FE	SITE NAME: Proposed La Costa Valley Recreational Facilities	CLIENT: URS Corporation
	MAP YEAR: 1983	ADDRESS: 1876-1942 CALLE BARCELONA	CONTACT: Massoud Karimi
	PHOTOREVISED FROM :1968	CARLSBAD, CA 92009	INQUIRY#: 3785462.4
	SERIES: 7.5	LAT/LONG: 33.074 / -117.2551	RESEARCH DATE: 11/14/2013
	SCALE: 1:24000		

H T M

ITEM 19



<p>N</p>	<b>ADJOINING QUAD</b>				
	NAME:	RANCHO SANTA FE		SITE NAME:	Proposed La Costa Valley Recreational Facilities
	MAP YEAR:	1996		ADDRESS:	1876-1942 CALLE BARCELONA Carlsbad, CA 92009
	SERIES:	7.5		LAT/LONG:	33.074 / -117.2551
	SCALE:	1:24000	CLIENT:	URS Corporation	
			CONTACT:	Massoud Karimi	
			INQUIRY#:	3785462.4	
			RESEARCH DATE:	11/14/2013	



<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b>	Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b>	URS Corporation	
	<b>NAME:</b>	ENCINITAS	<b>ADDRESS:</b>	1876-1942 CALLE BARCELONA Carlsbad, CA 92009	<b>CONTACT:</b>	Massoud Karimi
	<b>MAP YEAR:</b>	1997	<b>LAT/LONG:</b>	33.074 / -117.2551	<b>INQUIRY#:</b>	3785462.4
	<b>SERIES:</b>	7.5			<b>RESEARCH DATE:</b>	11/14/2013
	<b>SCALE:</b>	1:24000				

# APPENDIX E

## Historical Aerial Photographs

---



IN UIRY 3785462.5

YEAR 1939

| = 500'







IN UIRY 3785462.5

YEAR 1947

| = 500'



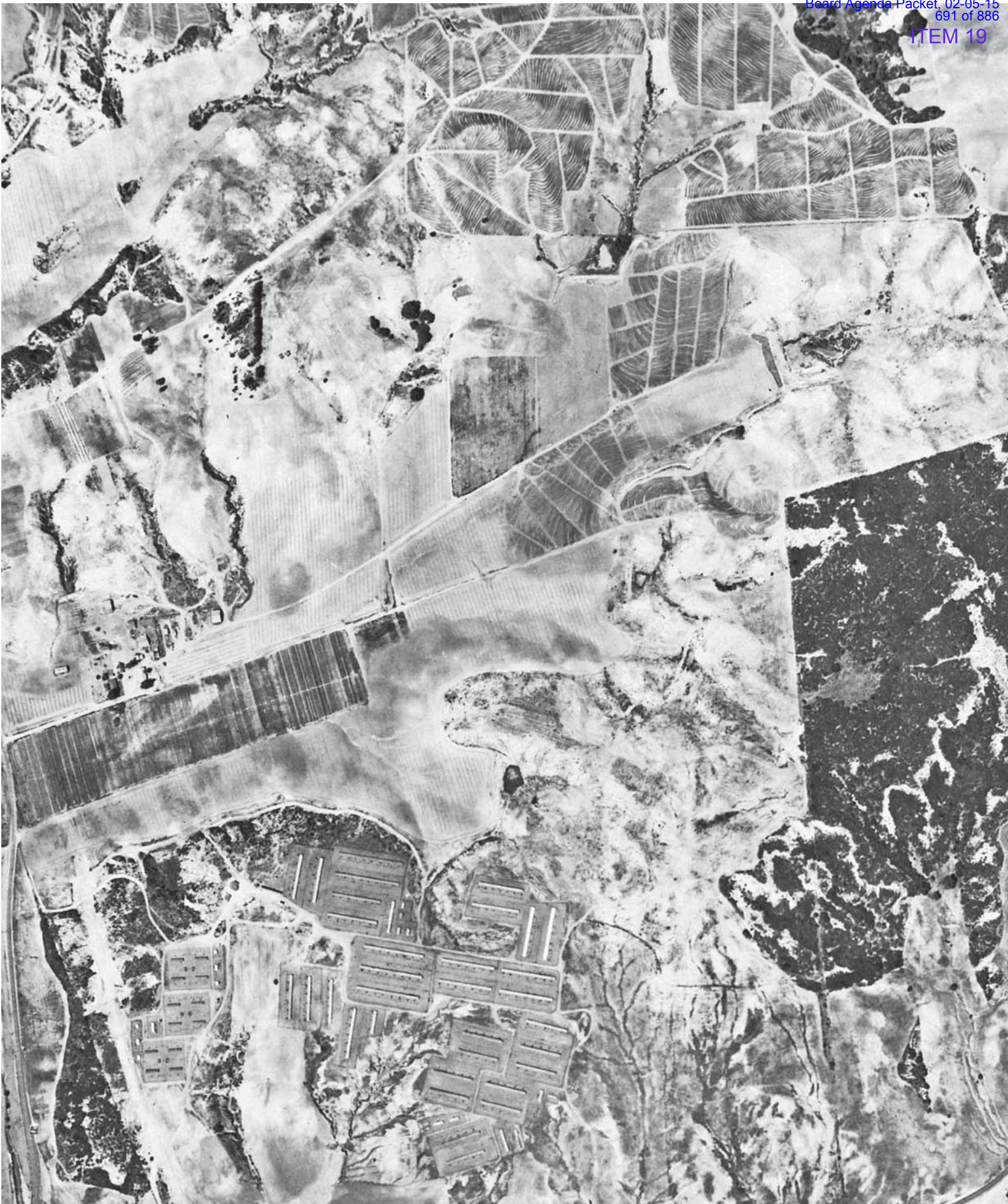


IN UIRY 3785462.5

YEAR 1953

| = 500'





IN UIRY 3785462.5

YEAR 1963

| = 500'





IN UIRY 3785462.5

YEAR 1974

| = 500'





IN UIRY 3785462.5

YEAR 1980

| = 500'





IN UIRY 3785462.5

YEAR 1990

| = 500'





IN UIRY 3785462.5

YEAR 1994

| = 500'





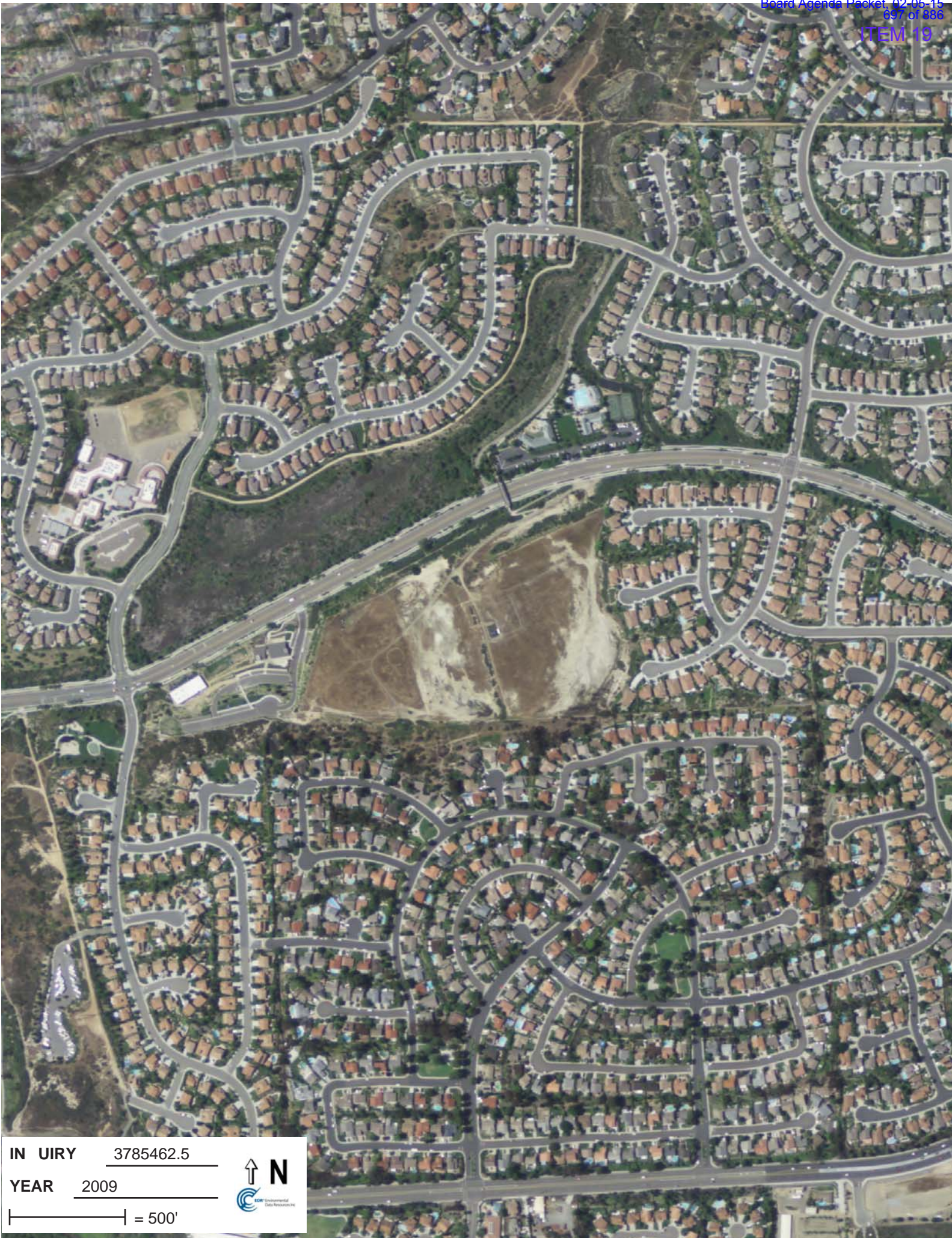
IN UIRY 3785462.5

YEAR 2005

| = 500'





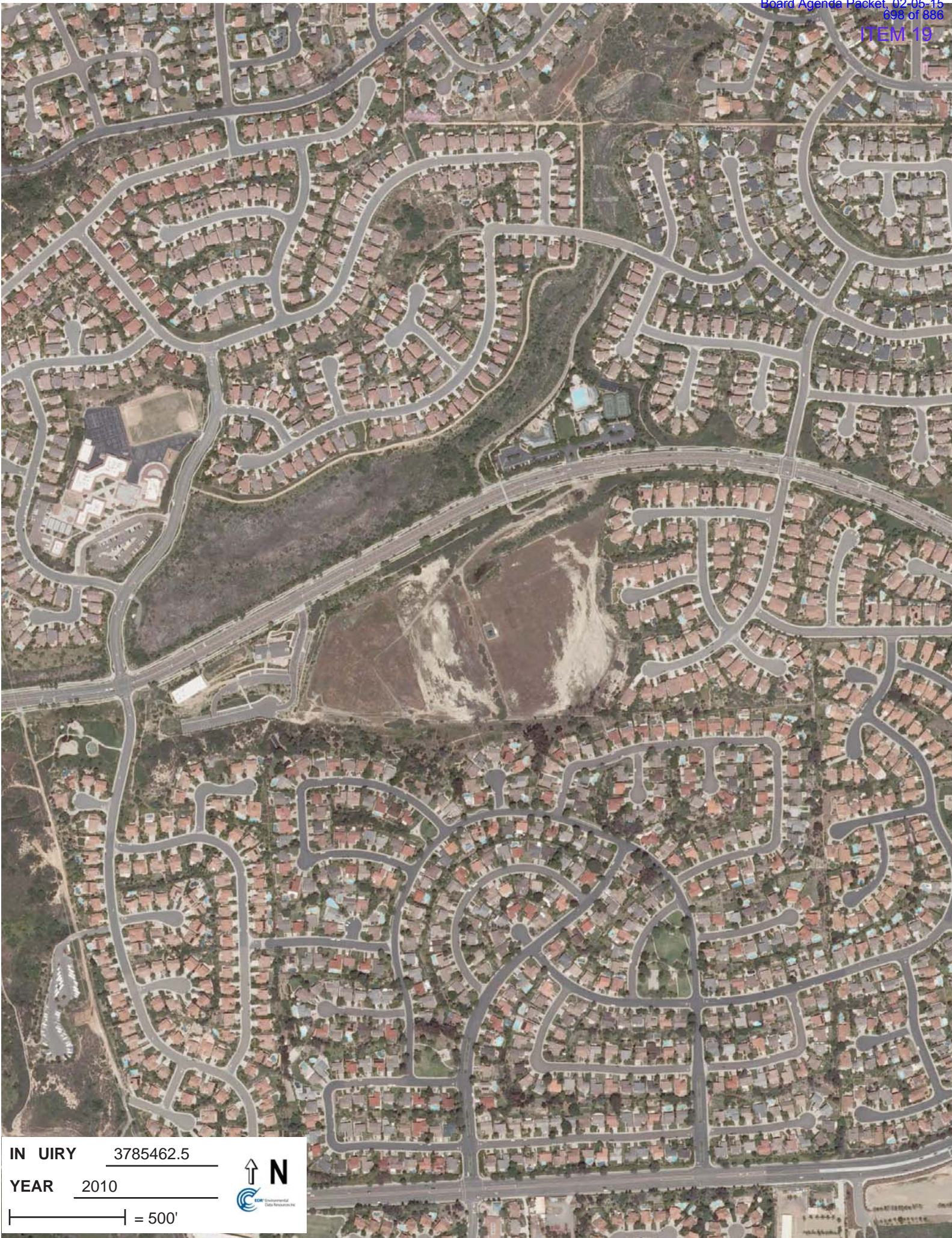


IN UIRY 3785462.5

YEAR 2009

| = 500'



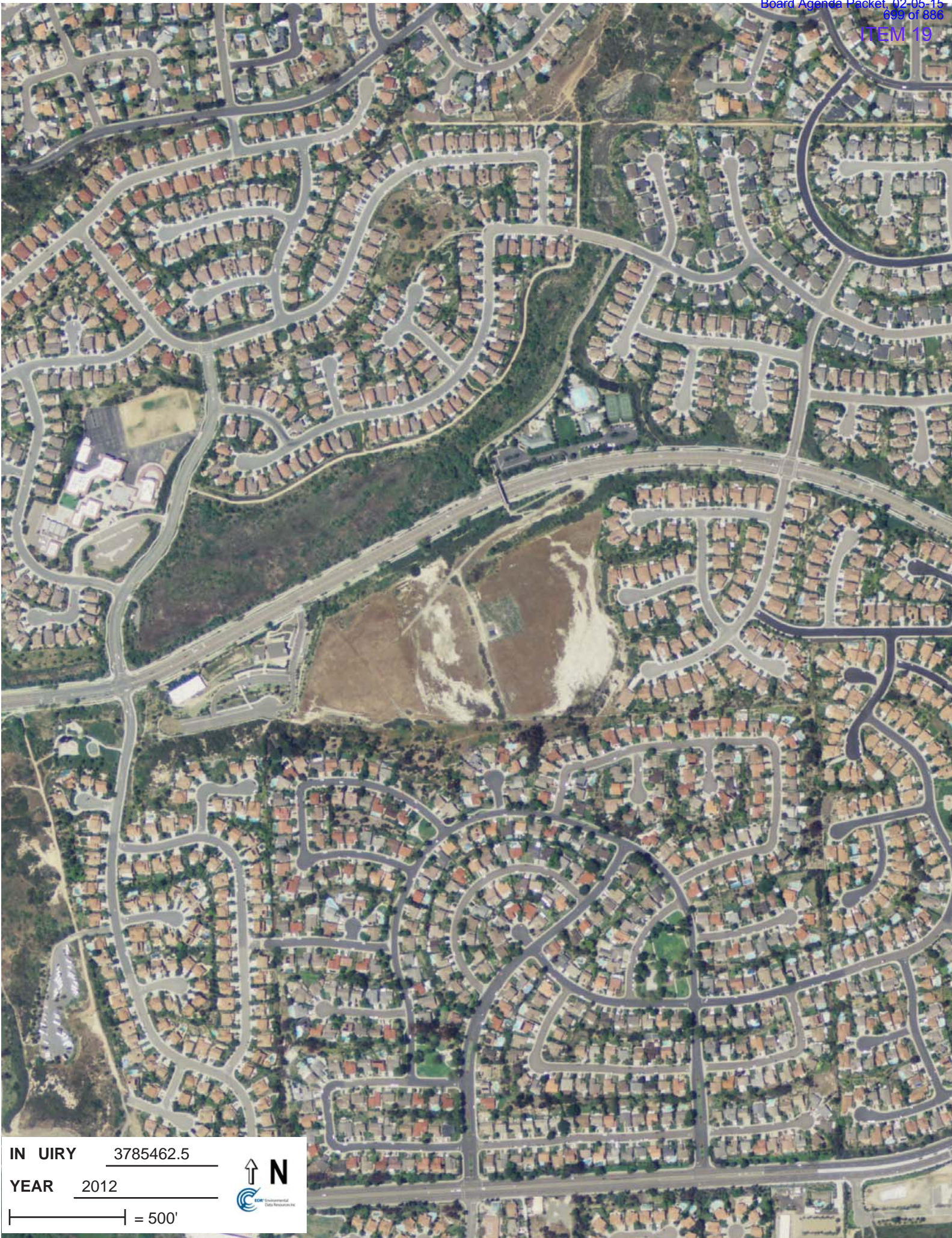


IN UIRY 3785462.5

YEAR 2010

| = 500'





IN UIRY 3785462.5

YEAR 2012

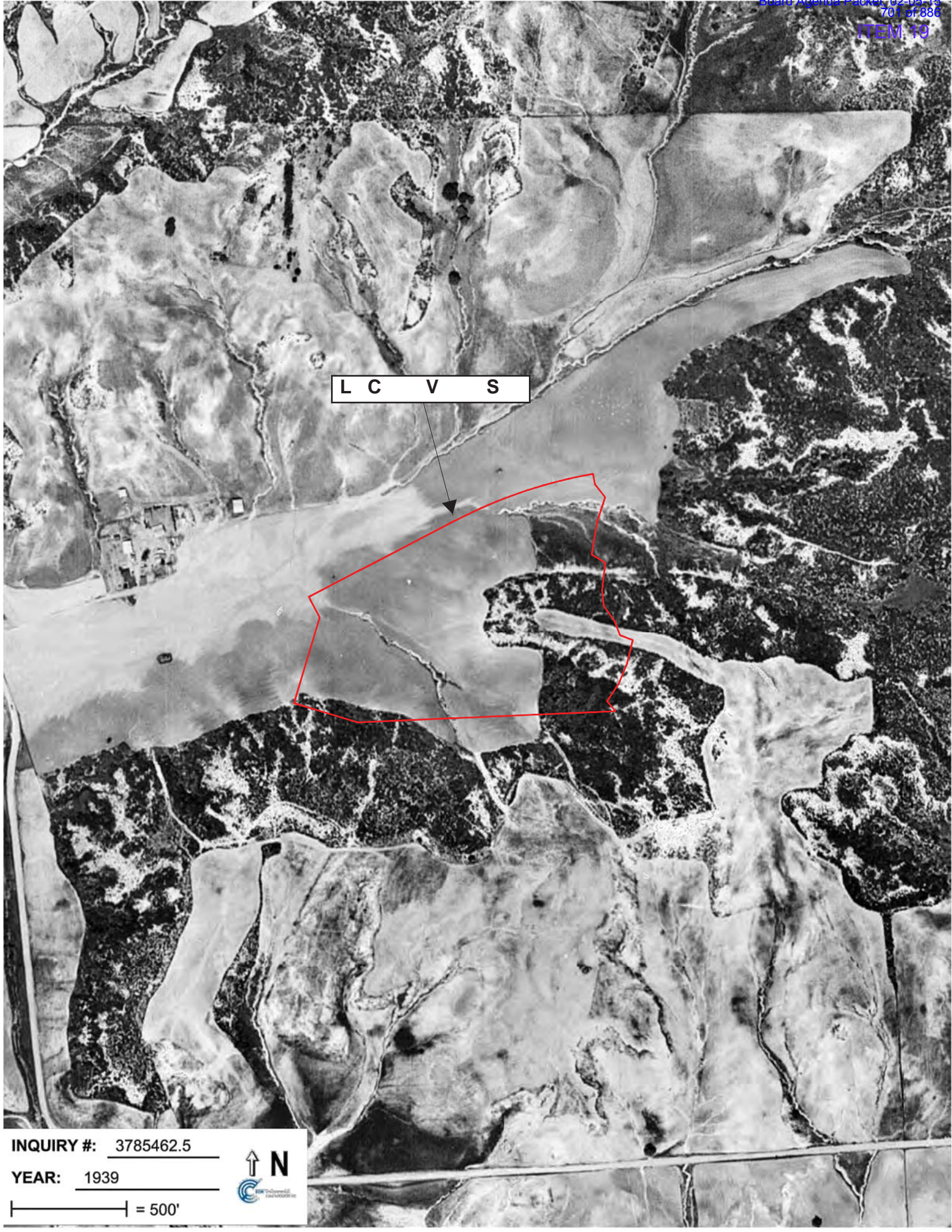
| = 500'



# APPENDIX B

# Historical Aerial Photographs

---



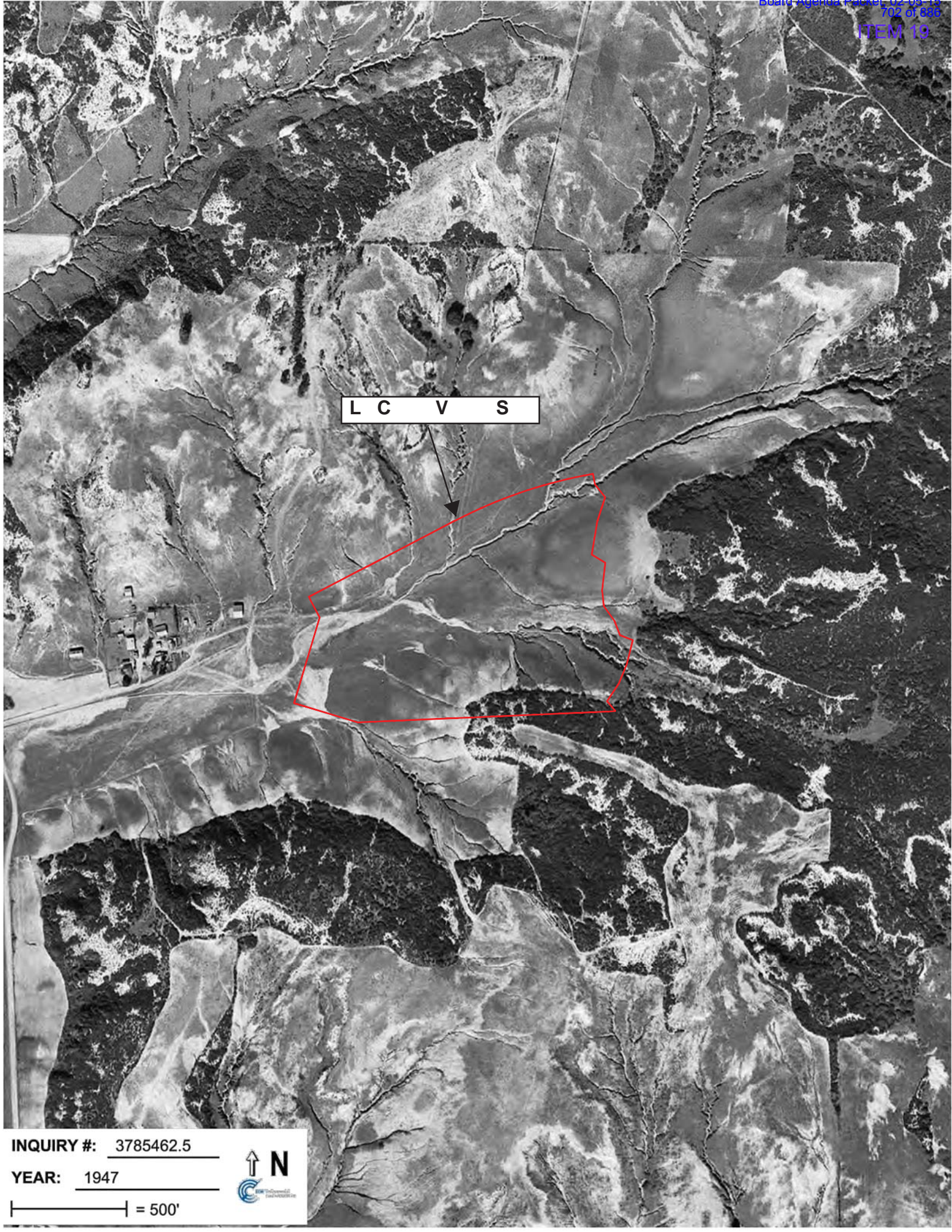
L C V S

INQUIRY #: 3785462.5

YEAR: 1939

| = 500'





INQUIRY #: 3785462.5

YEAR: 1947

| = 500'





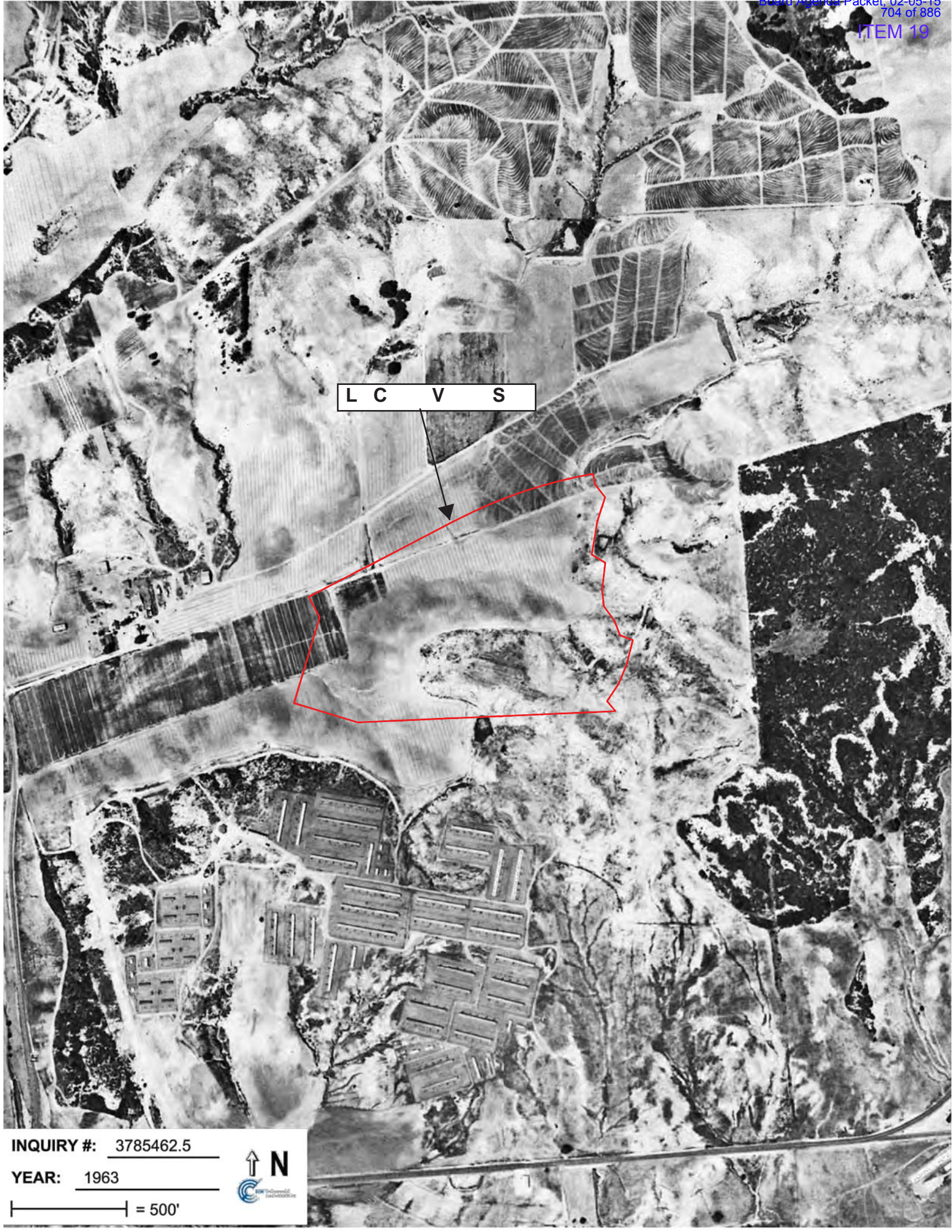
L C V S

INQUIRY #: 3785462.5

YEAR: 1953

| = 500'





L C V S

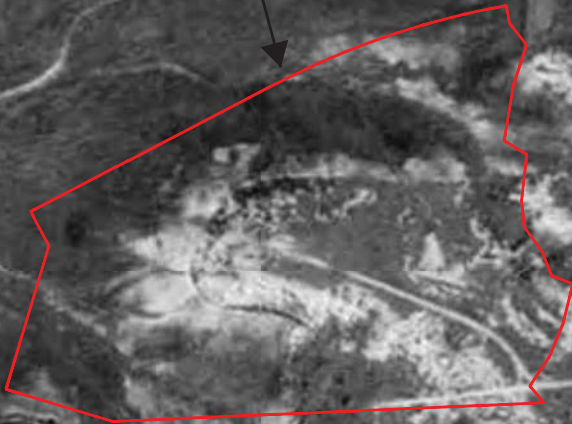


INQUIRY #: 3785462.5  
YEAR: 1963  
|-----| = 500'





L C V S



INQUIRY #: 3785462.5

YEAR: 1974

| = 500'





L C V S

INQUIRY #: 3785462.5

YEAR: 1980

| = 500'





L C V S

INQUIRY #: 3785462.5

YEAR: 1990

| = 500'





LCVS



INQUIRY #: 3785462.5

YEAR: 1994

| = 500'



L C V S

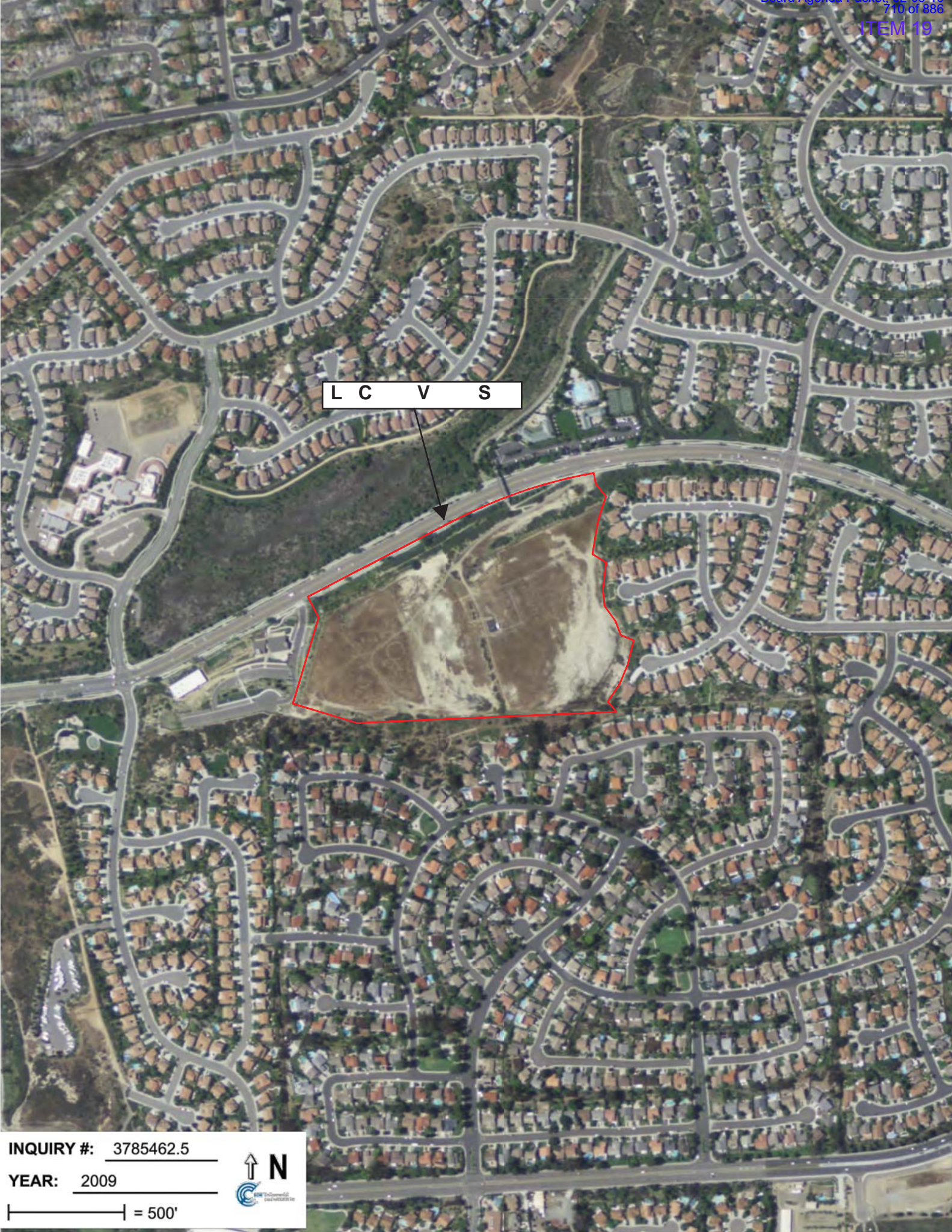


INQUIRY #: 3785462.5

YEAR: 2005

| = 500'





L C V S



INQUIRY #: 3785462.5

YEAR: 2009

| = 500'



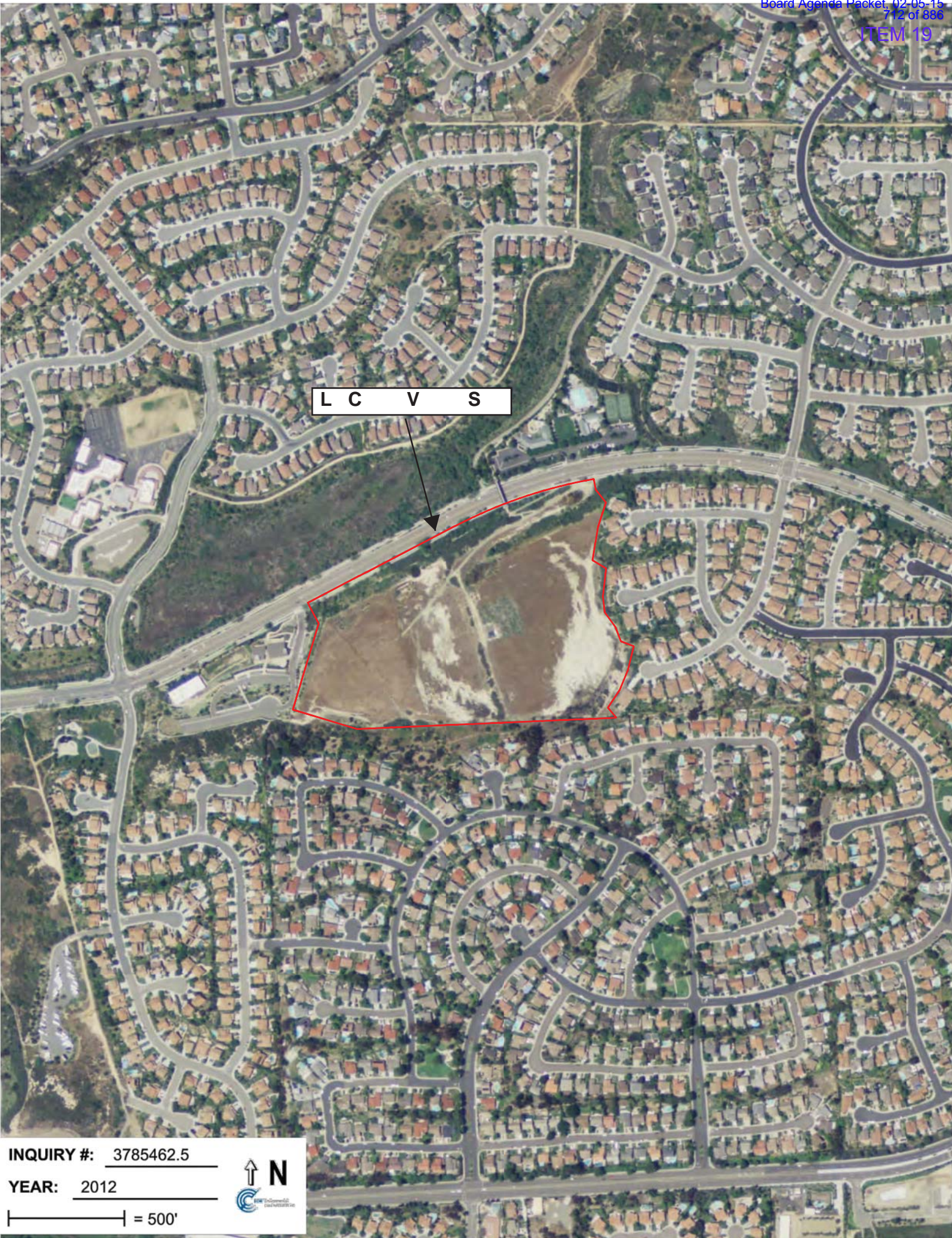


**INQUIRY #:** 3785462.5

**YEAR:** 2010

**|** = 500'





L C V S



**INQUIRY #:** 3785462.5  
**YEAR:** 2012  
| = 500'





# APPENDIX C

## Historical Topographic Maps

---

**P L C V R F**

1876-1942 CALLE BARCELONA  
Carlsbad, CA 92009

Inquiry Number: 3785462.4  
November 14, 2013

## EDR Historical Topographic Map Report

# EDR H T M R

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

## D - C T N

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

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H T M

ITEM 19



<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: SAN LUIS REY                  MAP YEAR: 1901</p>	<p><b>SITE NAME:</b> Proposed La Costa Valley                  Recreational Facilities</p>	<p><b>CLIENT:</b> URS Corporation</p>
	<p><b>SERIES:</b> 30  <b>SCALE:</b> 1:125000</p>	<p><b>ADDRESS:</b> 1876-1942 CALLE BARCELONA                  Carlsbad, CA 92009</p> <p><b>LAT/LONG:</b> 33.074 / -117.2551</p>	<p><b>CONTACT:</b> Massoud Karimi</p> <p><b>INQUIRY#:</b> 3785462.4</p> <p><b>RESEARCH DATE:</b> 11/14/2013</p>

H T M



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	NAME: OCEANSIDE	<b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009	<b>CONTACT:</b> Massoud Karimi
	MAP YEAR: 1901	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>INQUIRY#:</b> 3785462.4
	SERIES: 15		<b>RESEARCH DATE:</b> 11/14/2013
	SCALE: 1:62500		

H T M

ITEM 19

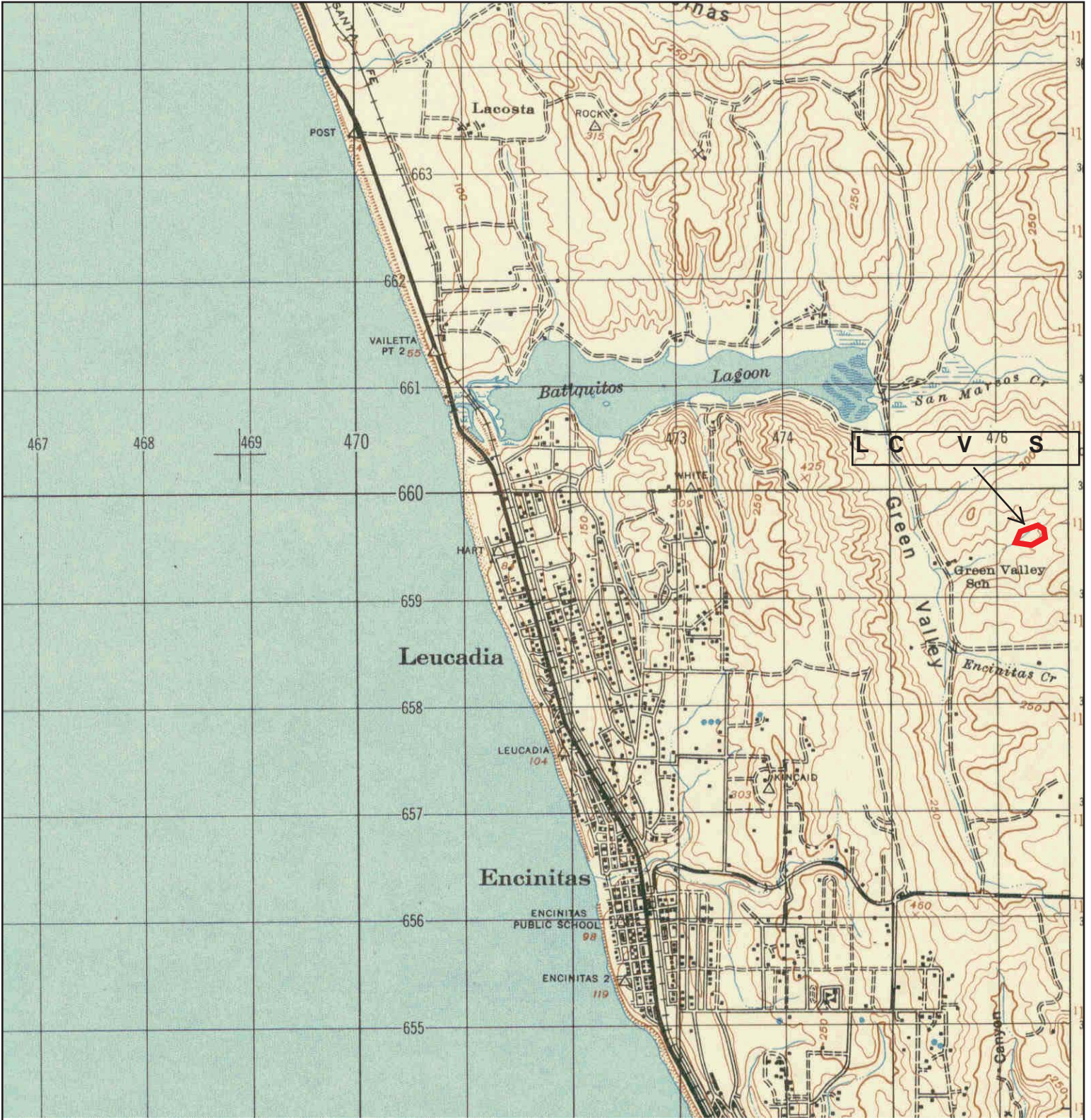



U A T M

<p>N ↑</p>	<p>TARGET QUAD NAME: SOUTHERN CA SHEET 2 MAP YEAR: 1904</p>	<p>SITE NAME: Proposed La Costa Valley Recreational Facilities</p>	<p>CLIENT: URS Corporation</p>
	<p>SERIES: 60 SCALE: 1:250000</p>	<p>ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009</p>	<p>CONTACT: Massoud Karimi</p>
		<p>LAT/LONG: 33.074 / -117.2551</p>	<p>INQUIRY#: 3785462.4 RESEARCH DATE: 11/14/2013</p>

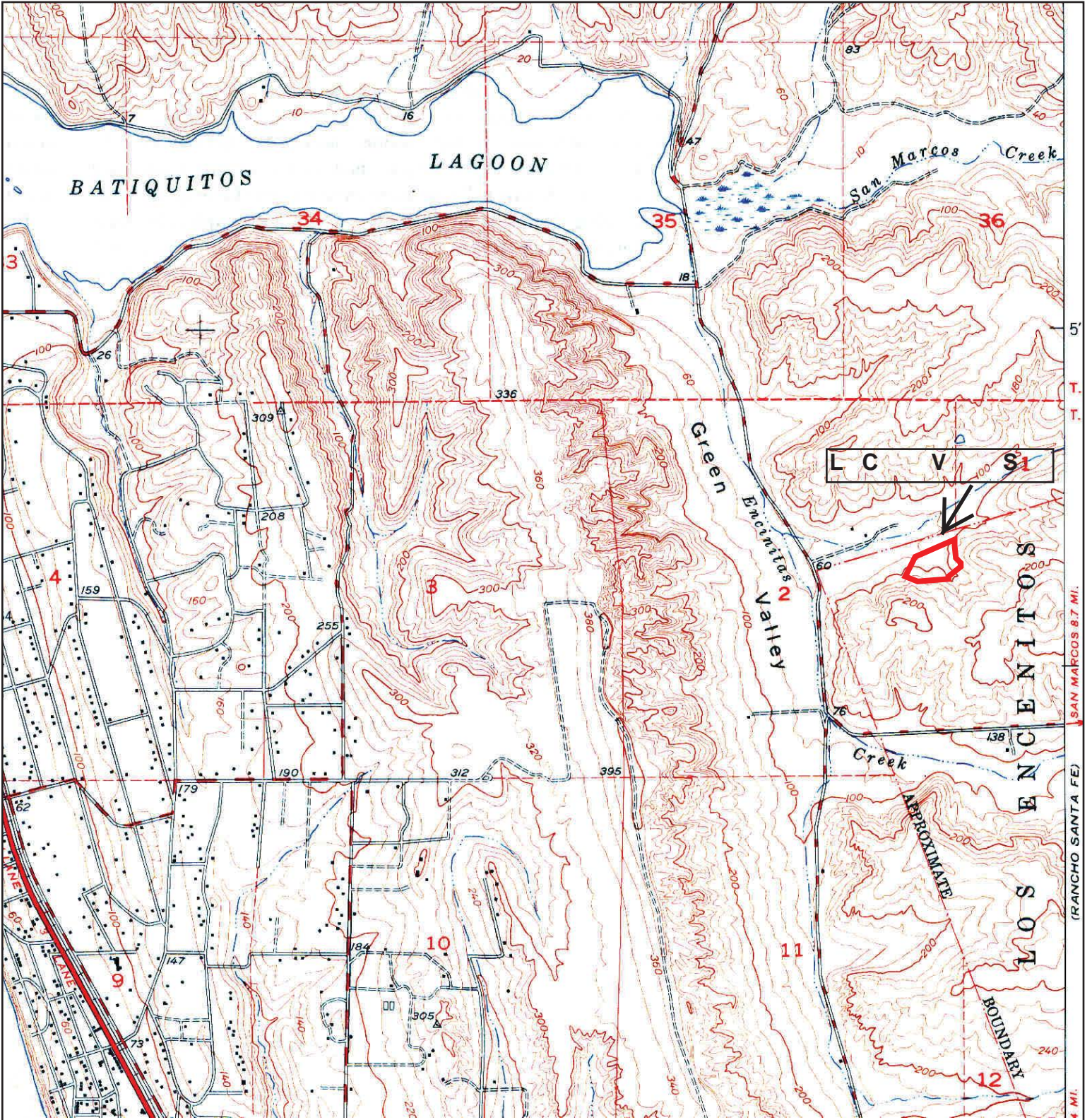
H T M

ITEM 19



	<p><b>TARGET QUAD</b></p> <p>NAME: OCEANSIDE</p> <p>MAP YEAR: 1947</p>	<p>SITE NAME: Proposed La Costa Valley Recreational Facilities</p> <p>ADDRESS: 1876-1942 CALLE BARCELONA Carlsbad, CA 92009</p> <p>LAT/LONG: 33.074 / -117.2551</p>	<p>CLIENT: URS Corporation</p> <p>CONTACT: Massoud Karimi</p> <p>INQUIRY#: 3785462.4</p> <p>RESEARCH DATE: 11/14/2013</p>
	<p>SERIES: 15</p> <p>SCALE: 1:50000</p>		

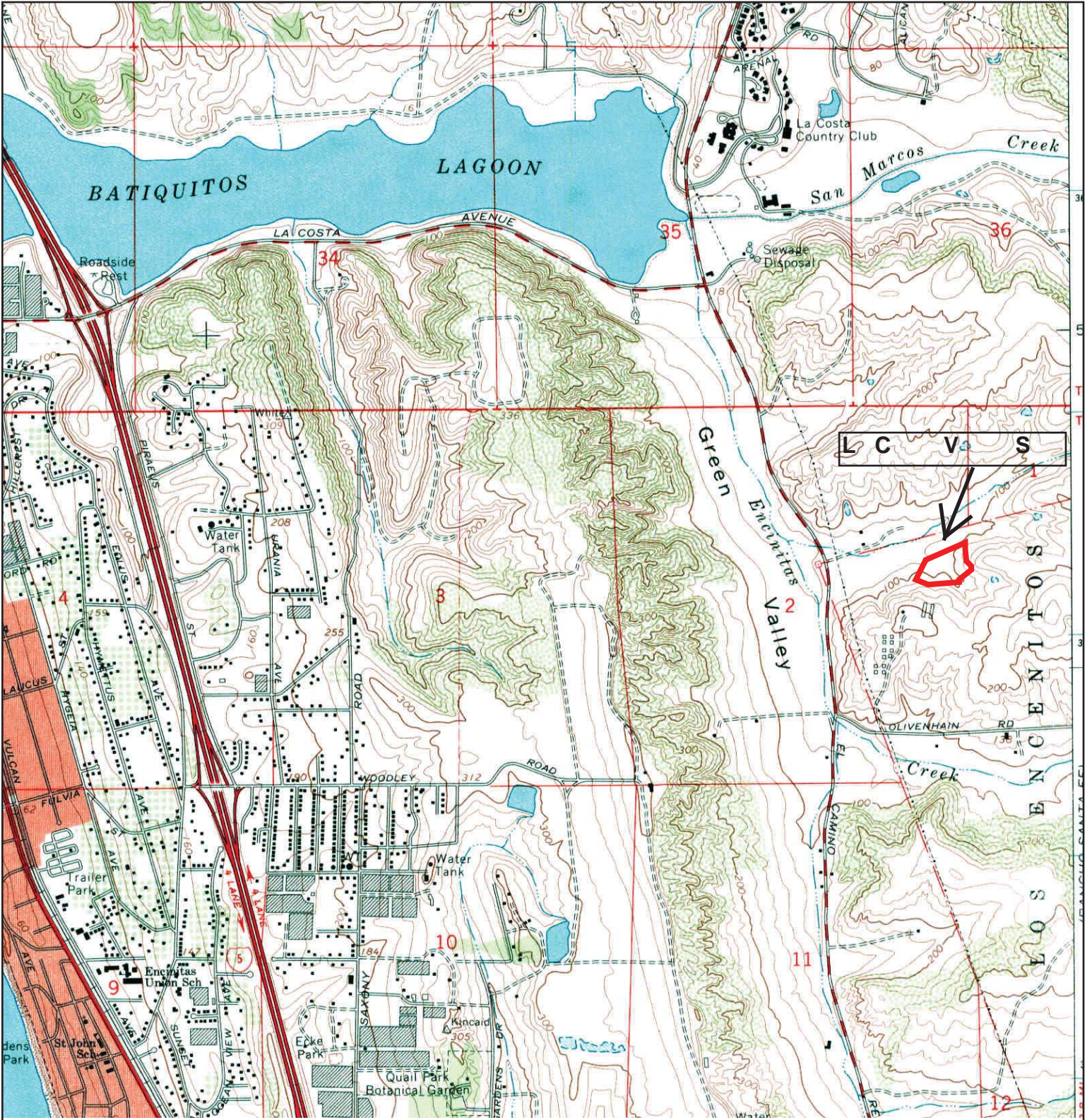
H T M



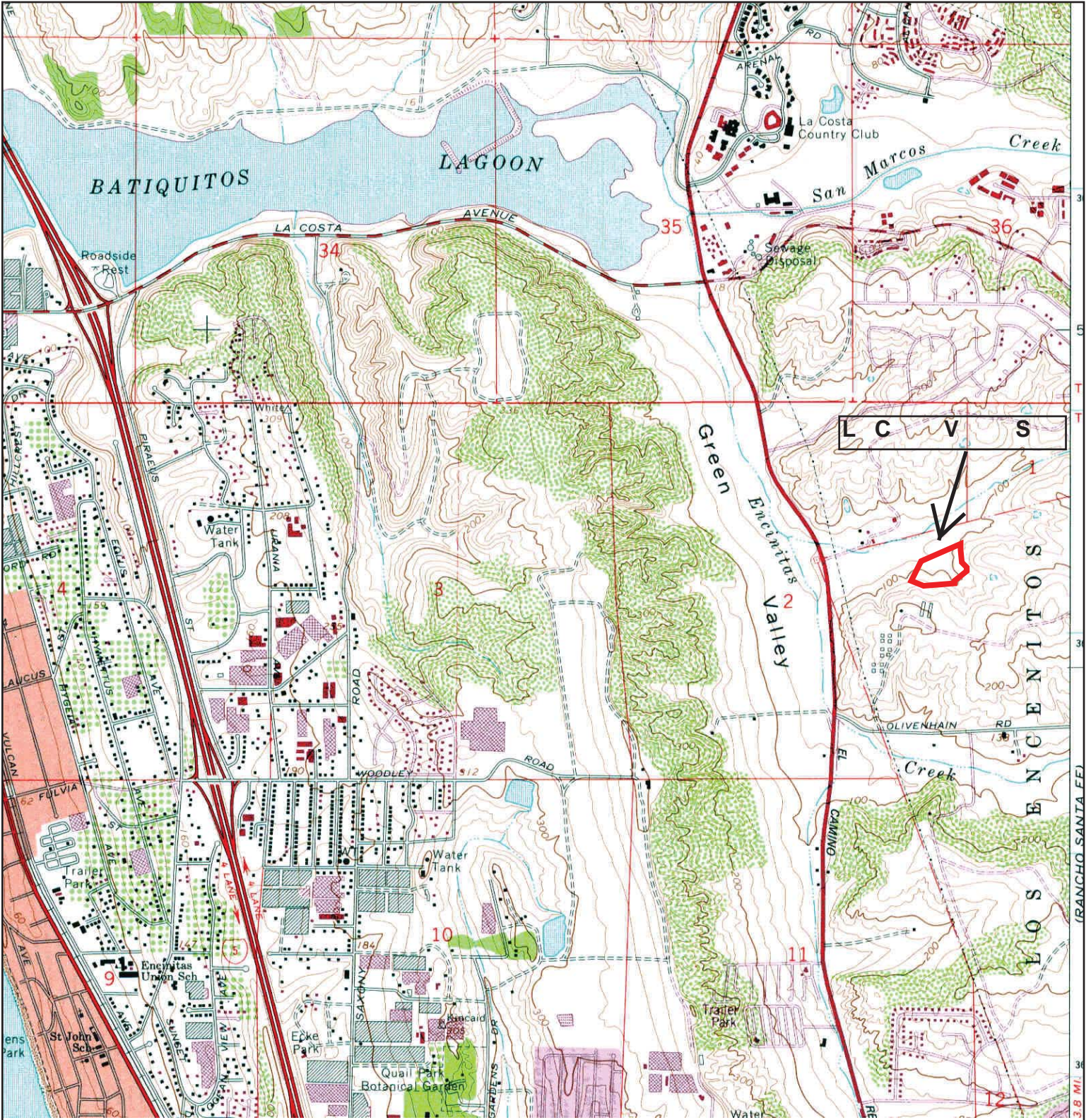
<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b> URS Corporation
	<b>NAME:</b> ENCINITAS	<b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009	<b>CONTACT:</b> Massoud Karimi
	<b>MAP YEAR:</b> 1949	<b>LAT/LONG:</b> 33.074 / -117.2551	<b>INQUIRY#:</b> 3785462.4
	<b>SERIES:</b> 7.5		<b>RESEARCH DATE:</b> 11/14/2013
	<b>SCALE:</b> 1:24000		



H T M



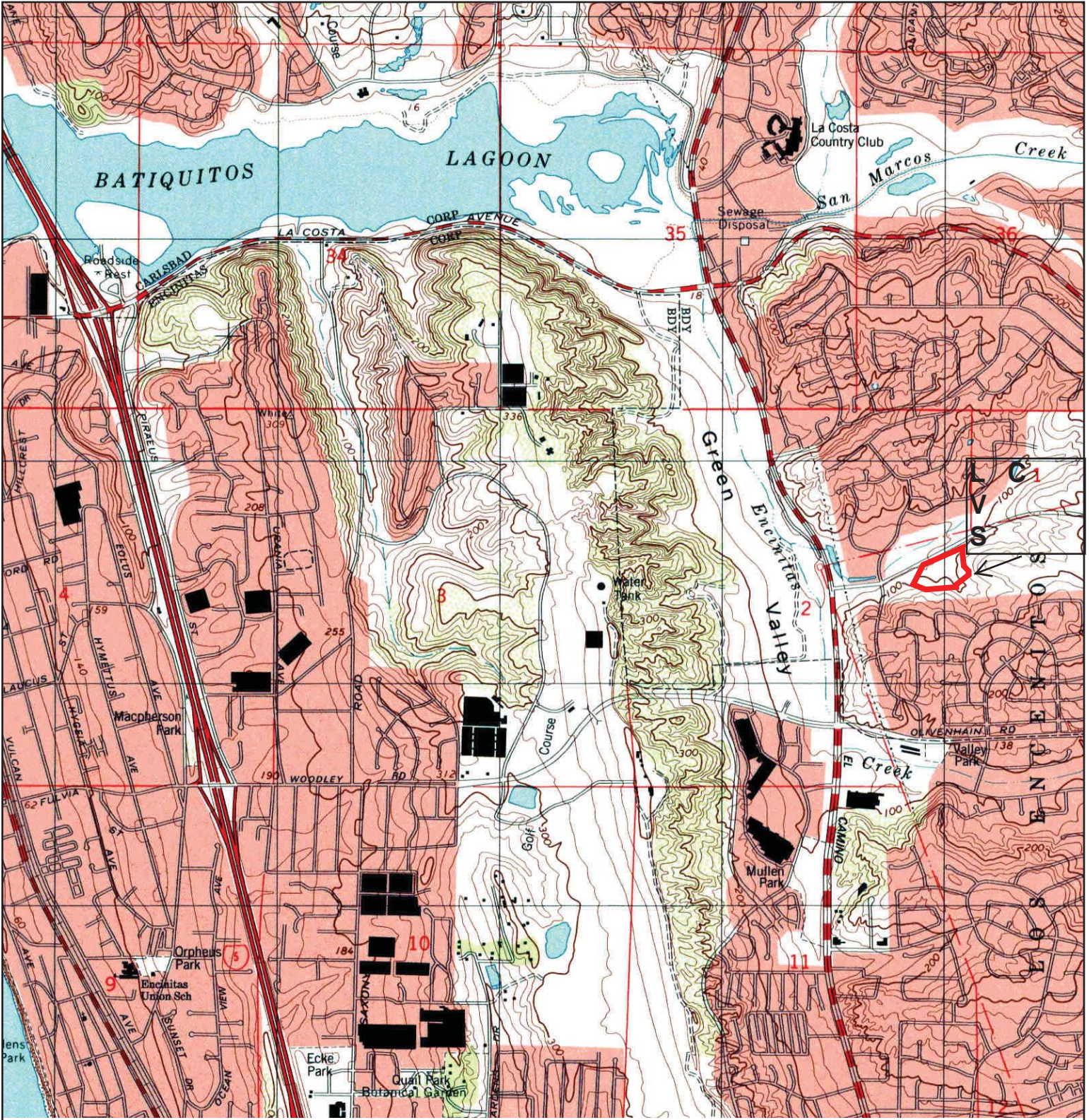
<p>N ↑</p>	<p><b>TARGET QUAD</b></p>	<p><b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities</p>	<p><b>CLIENT:</b> URS Corporation</p>
	<p>NAME: ENCINITAS</p>	<p><b>ADDRESS:</b> 1876-1942 CALLE BARCELONA Carlsbad, CA 92009</p>	<p><b>CONTACT:</b> Massoud Karimi</p>
	<p>MAP YEAR: 1968</p>	<p><b>LAT/LONG:</b> 33.074 / -117.2551</p>	<p><b>INQUIRY#:</b> 3785462.4</p>
	<p>SERIES: 7.5</p>		<p><b>RESEARCH DATE:</b> 11/14/2013</p>
	<p>SCALE: 1:24000</p>		



<p>N ↑</p>	<p><b>TARGET QUAD</b></p>	<p><b>SITE NAME:</b> Proposed La Costa Valley Recreational Facilities</p>	<p><b>CLIENT:</b> URS Corporation</p>
	<p>NAME: ENCINITAS</p>	<p><b>ADDRESS:</b> 1876-1942 CALLE BARCELONA</p>	<p><b>CONTACT:</b> Massoud Karimi</p>
	<p>MAP YEAR: 1975</p>	<p>Carlsbad, CA 92009</p>	<p><b>INQUIRY#:</b> 3785462.4</p>
	<p>PHOTOREVISED FROM :1968</p>	<p><b>LAT/LONG:</b> 33.074 / -117.2551</p>	<p><b>RESEARCH DATE:</b> 11/14/2013</p>
	<p>SERIES: 7.5</p>		
	<p>SCALE: 1:24000</p>		

H T M

ITEM 19



	<b>TARGET QUAD</b>	<b>SITE NAME:</b>	Proposed La Costa Valley Recreational Facilities	<b>CLIENT:</b>	URS Corporation	
	<b>NAME:</b>	ENCINITAS	<b>ADDRESS:</b>	1876-1942 CALLE BARCELONA	<b>CONTACT:</b>	Massoud Karimi
	<b>MAP YEAR:</b>	1997	<b>LAT/LONG:</b>	33.074 / -117.2551	<b>INQUIRY#:</b>	3785462.4
	<b>SERIES:</b>	7.5			<b>RESEARCH DATE:</b>	11/14/2013
	<b>SCALE:</b>	1:24000				

# APPENDIX D

## Boring Logs and Pertinent Information

---

**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

## Key to Log of Boring

Sheet 1 of 1






Elevation feet	Depth, feet	SAMPLES				Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery	Methane FID (ppm)			

1      2      3      4      5      6      7      8      9

### COLUMN DESCRIPTIONS

- |  |  |
|--|--|
| <p><b>1 Elevation:</b> Elevation in feet referenced to mean sea level (MSL) or site datum.</p> <p><b>2 Depth:</b> Depth in feet below the ground surface.</p> <p><b>3 Sample Type:</b> Type of soil sample collected at depth interval shown; sampler symbols are explained below.</p> <p><b>4 Sample Number:</b> Sample identification number.</p> <p><b>5 Drive/Recovery:</b> Sample core drive (in inches) / Length of soil sample recovered (in inches).</p> | <p><b>6 Methane FID::</b> Flame-ionization detector with a carbon filter tip. Methane reading in parts per million (ppm).</p> <p><b>7 Graphic Log:</b> Graphic depiction of subsurface material encountered; typical symbols are explained below.</p> <p><b>8 Material Description:</b> Description of material encountered; may include relative density/consistency, moisture, color, particle size; texture, weathering, and strength of formation material. If shown, designation in parentheses denotes Munsell color classification.</p> <p><b>9 Remarks:</b> Comments and observations regarding drilling or sampling made by driller or field personnel.</p> |
|--|--|





### TYPICAL SOIL GRAPHIC SYMBOLS

 FILL	 Silty SAND (SM)	 Silty, clayey SAND (SC-SM)	 CLAY (CL)
 SILT (ML)			

### TYPICAL SAMPLER GRAPHIC SYMBOLS

 Continuous core showing length of recovery	 2.25" capped acetate sleeve
 Grab sample	

### OTHER GRAPHIC SYMBOLS

 First water encountered at time of drilling and sampling (ATD)
 Water level measured at specified time after completion of drilling and sampling
 Minor change in material properties within a stratum
 Inferred or gradational contact between strata

### GENERAL NOTES

- Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive; actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
- Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.
- bgs = below ground surface

<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-1</h2> <p style="margin: 0;">Sheet 1 of 3</p>
--	--

Date(s) Drilled: <b>9/12/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>55.0 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>130 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
130	0	X	B-1-0.5	60/60	2.1	FILL Dry, light brown to greenish gray, silty sand	
		X	B-1-2.5		2.2		
125	5	X	B-1-5	54/60	4.2	▼ Becomes light yellowish brown  ▼ Some orange mottles	
120	10	X	B-1-10	36/60	4.7		
115	15	X	B-1-15	36/60	2.5	▼ Minor plant matter  ▼ Decrease in silt content	
110	20	X	B-1-20	48/60	11	▼ Becomes greenish gray  ▭ 3" thick black layer with plant matter	
105	25						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-1



**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

## Log of Boring B-1

Sheet 2 of 3

Elevation feet	Depth, feet	SAMPLES		Drive / Recovery	Methane FID (ppm)	Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number					
105	25	☒	B-1-25	54/60	8			
		☒	B-1-28.5		2		6" thick black layer with plant matter	
100	30	☒	B-1-30	42/60	14			
							← Minor seashell	
95	35	☒	B-1-35	42/60	14			
							↓ Becomes brown, minor plant matter	
90	40	☒	B-1-40	36/60	9			
85	45	☒	B-1-45	54/60	42		← 2" thick black layer, minor plant matter	
							QUATERNARY ALLUVIUM Dry, brown, silty SAND (SM)	
80	50	☒	B-1-49	54/60	6			
		☒	B-1-53		6			

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-1

**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

**Log of Boring B-1**

Sheet 3 of 3

Elevation feet	Depth, feet	SAMPLES				Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery	Methane FID (ppm)			
75	55						Boring terminated at approximately 55 feet bgs. Perched water or groundwater not encountered.	
70	60							
65	65							
60	70							
55	75							
50	80							

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-1





<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-2</h2> <p style="margin: 0;">Sheet 1 of 2</p>
--	--

Date(s) Drilled: <b>9/12/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>30.0 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>130 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
130	0	⊗	B-2-0.5	54/60	1.0	FILL Dry, light brown to greenish gray, silty sand	
		⊗	B-2-2.5		2.3		
125	5	⊗	B-2-5	54/60	2.2	▼ Becomes yellowish brown  ▼ Some orange mottles	
120	10	⊗	B-2-10	54/60	1.8		
115	15	⊗	B-2-15	48/60	1.9	} 4" thick dark brown layer	
110	20	⊗	B-2-20	48/60	4.1	▼ Becomes brown  ▼ Some plant matter	
105	25						

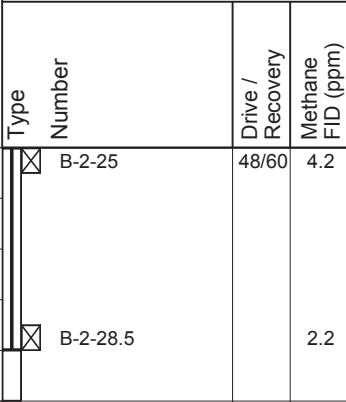
Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-2



**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

## Log of Boring B-2

Sheet 2 of 2

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
105	25	☒	B-2-25	48/60	4.2		▼ Minor plant matter
		☒	B-2-28.5		2.2		DEL MAR FORMATION Hard, dry, greenish gray (GLEYS 4/10Y), SILT (ML)
100	30						Boring terminated at approximately 30 feet bgs. Perched water or groundwater not encountered.
95	35						
90	40						
85	45						
80	50						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-2

<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-3</h2> <p style="margin: 0;">Sheet 1 of 2</p>
--	--

Date(s) Drilled: <b>9/11/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>40.0 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>130 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
130	0	X	B-3-0.5	36/60	2.1	FILL Dry, brown (10YR 4/1), silty sand	
		X	B-3-2.5		1.2		
125	5	X	B-3-5	42/60	1.1	↓ Becomes light yellowish brown (10YR 5/4), increased in sand content	
120	10	X	B-3-10	36/60	2	↓ Increase in clay content	
115	15	X	B-3-15	48/60	0.9	Moist, greenish gray (GLE Y 2.5/1), alternating layers of silty to clayey sand	
110	20	X	B-3-20	48/60	3		
105	25						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-3



**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

**Log of Boring B-3**

Sheet 2 of 2

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
105	25	☒	B-3-25	54/60	6.6		
						Minor amounts of plant matter	
100	30	☒	B-3-30	48/60	4		
						DEL MAR FORMATION Dry, greenish gray (GLEYS 4/10Y), SILT (ML) with some clay, minor fine sand	Drillers comment: more difficult to drill at approximately 31' bgs.
95	35	☒	B-3-36	60/60	6.8		
						Dark greenish gray CLAY (CL)	
						Yellowish brown, silty clayey fine SAND (SC-SM)	
90	40					Boring terminated at approximately 40 feet bgs. Perched water or groundwater not encountered.	
85	45						
80	50						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-3

<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-4</h2> <p style="margin: 0;">Sheet 1 of 2</p>
--	--

Date(s) Drilled: <b>9/12/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>50.0 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>130 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
130	0	X	B-4-0.5	54/60	1.2	FILL Dry, light brown to greenish gray, silty sand	
		X	B-4-2.5		0.4		
125	5	X	B-4-5	60/60	0.2	▼ Becomes yellowish brown	
						▼ Some orange mottles	
120	10	X	B-4-10	48/60	0.3		
115	15	X	B-4-15	48/60	0.5	▼ Becomes brown	
110	20	X	B-4-20	48/60	4	▼ Some plant matter  ▼ Becomes light brown	
105	25						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-4



**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

**Log of Boring B-4**

Sheet 2 of 2

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
105	25	☒	B-4-25	48/60	0.9		
100	30	☒	B-4-30	42/60	6.1	▼ Becomes greenish gray, increase in silt content ☐ 4" thick black layer	
95	35	☒	B-4-35	48/60	4.1	▼ Becomes brown ▼ Some plant matter	
90	40	☒	B-4-40	36/60	1.5	▼ Becomes light yellowish brown, increase in sand content ☐ 3" thick greenish gray layer ▼ Becomes brown	
85	45	☒	B-4-45	42/60	2.5		
			B-4-48		5		
80	50					DEL MAR FORMATION Dry, greenish gray (GLEYS 4/10Y), SILT (ML) with some clay, minor sand  Boring terminated at approximately 50 feet bgs. Perched water or groundwater not encountered.	

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-4

<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-5</h2> <p style="margin: 0;">Sheet 1 of 2</p>
--	--

Date(s) Drilled: <b>9/12/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>40.0 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>130 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
130	0	⊗	B-5-0.5	54/60	1	FILL Dry, brown (10YR 4/3), silty sand	
		⊗	B-5-2.5		0.4	↓ Becomes greenish gray, fine sandy clay	
125	5	⊗	B-5-5	48/60	0	↓ Becomes light yellowish brown, silty sand	
120	10	⊗	B-5-10	48/60	0	↓ Becomes greenish gray, clay with fine sand and silt	
						↓ Becomes light yellowish brown, silty sand	
115	15	⊗	B-5-15	48/60	0		
110	20	⊗	B-5-20	42/60	0	↓ Some plant matter	
					1	} 6" thick black layer with some plant matter, moist	
105	25					DEL MAR FORMATION Dry, greenish gray (GLE Y 4/10Y) with minor mottled yellowish brown (10YR 3/4), SILT (ML), some clay, minor fine sand	Drillers comment: more difficult to drill at approximately 24.5' bgs.

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-5



**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

## Log of Boring B-5

Sheet 2 of 2

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
105	25	☒	B-5-25	42/60	0		
100	30	☒	B-5-30	48/60	0		
95	35	☒	B-5-35	12/60	0		
90	40					Boring terminated at approximately 40 feet bgs. Perched water or groundwater not encountered.	
85	45						
80	50						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-5



<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-6</h2> <p style="margin: 0;">Sheet 1 of 2</p>
--	--

Date(s) Drilled: <b>9/11/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>35.0 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>165 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
165	0	X	B-6-0.5	48/60	1.1	FILL Dry, light yellowish brown (10 YR 5/4), clayey fine sand	
		X	B-6-2.5		0.4		
160	5	X		48/60	1	↓ Becomes greenish gray (GLEY 2 5/1) with brown mottles (10YR 4/3)	
155	10	X	B-6-10.5	48/60	6.5	} 6" thick black layer with some plant matter  ↓ Becomes moist, brown (10YR 4/3) with mottled greenish gray (GLEY 2 5/1) alternating layers of silty to clayey sand	
150	15	X	B-6-15	42/60	6		
		X	B-6-18		45	} 6" thick black layer	
145	20	X	B-6-20	60/60	2.5		
140	25						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-6



**Project: San Dieguito Union High School District**  
**Project Location: La Costa Valley, Carlsbad, CA**  
**Project Number: 27654194.02000**

**Log of Boring B-6**

Sheet 2 of 2

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
140	25	☒	B-6-25	48/60	2.5		
						Some plant matter	
135	30	☒	B-6-30	54/60	1		
						DEL MAR FORMATION Dry, greenish gray (GLEYS 4/10Y) with minor mottled yellowish brown (10YR 5/4), SILT (ML). some clay, minor fine sand	Drillers comment: more difficult to drill at approximately 31' bgs.
130	35	☒	B-6-34		1		
						Boring terminated at approximately 35 feet bgs. Perched water or groundwater not encountered.	
125	40						
120	45						
115	50						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-6

<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-7</h2> <p style="margin: 0;">Sheet 1 of 2</p>
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Date(s) Drilled: <b>9/11/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>40.0 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>165 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
165	0	X	B-7-0.5	48/60	1.1	FILL Dry, light yellowish brown (10YR 5/4), clayey fine sand	
		X	B-7-2.5		0		
160	5	X	B-7-5	60/60	0	↓ Becomes dark brown (10YR 3/3)	
155	10	X	B-7-10	60/60	14		↓ Becomes moist, brown (10 YR 4/3) with mottled greenish gray (GLE Y 2 5/1), alternating layers of silt to clayey sand
150	15	X	B-7-15	48/60	5.5		
145	20	X	B-7-20	48/60	2		
		X	B-7-22		1	} 4" layer of black, clayey fine sand	
140	25						

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-7





<b>Project: San Dieguito Union High School District</b> <b>Project Location: La Costa Valley, Carlsbad, CA</b> <b>Project Number: 27654194.02000</b>	<h2 style="margin: 0;">Log of Boring B-8</h2> <p style="margin: 0;">Sheet 1 of 1</p>
--	--

Date(s) Drilled: <b>9/11/14</b>	Logged By: <b>S. Haber</b>	Checked By: <b>M. Karimi</b>
Drilling Method: <b>Hollow Stem Auger</b>	Drill Bit Size/Type: <b>8-inches</b>	Total Depth of Borehole: <b>19.5 feet</b>
Drill Rig Type: <b>CME 85</b>	Drilling Contractor: <b>Cascade Drilling, L.P.</b>	Approximate Surface Elevation: <b>165 feet</b>
Groundwater Level and Date Measured: <b>Not encountered</b>	Sampling Method(s): <b>Continuous core barrel/Grab sample</b>	Hammer Data: <b>140-lbs/30-inch drop</b>
Borehole Completion: <b>Bentonite grout</b>	Comments	

Elevation feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	REMARKS
		Type	Number	Drive / Recovery			
165	0	X	B-7-0.5	48/60	0.7	FILL Dry, light yellowish brown (10 YR 5/4), clayey sand	
		X	B-7-2.5		1.3		
160	5	X	B-8-5	54/60	1	↓ Becomes greenish gray	
155	10	X	B-8-10	48/60	2	↓ Minor plant matter	
150	15	X	B-8-15	48/60	1	↓ Increase in sand content, becomes yellowish brown	
		X	B-8-18		1		
145	20					DEL MAR FORMATION Dry, greenish gray (GLEYS 4/10Y) with minor mottled yellowish brown (10YR 5/4), SILT (ML), some clay, minor fine sand	Drillers comment: more difficult to drill at approximately 12' bgs.
140	25					Boring terminated at approximately 19.5 feet bgs. Perched water or groundwater not encountered.	

Report: SAR\_RECOVERY\_SIMPLE\_METHANE; File: 27654194.GPJ; 11/11/2014 B-8





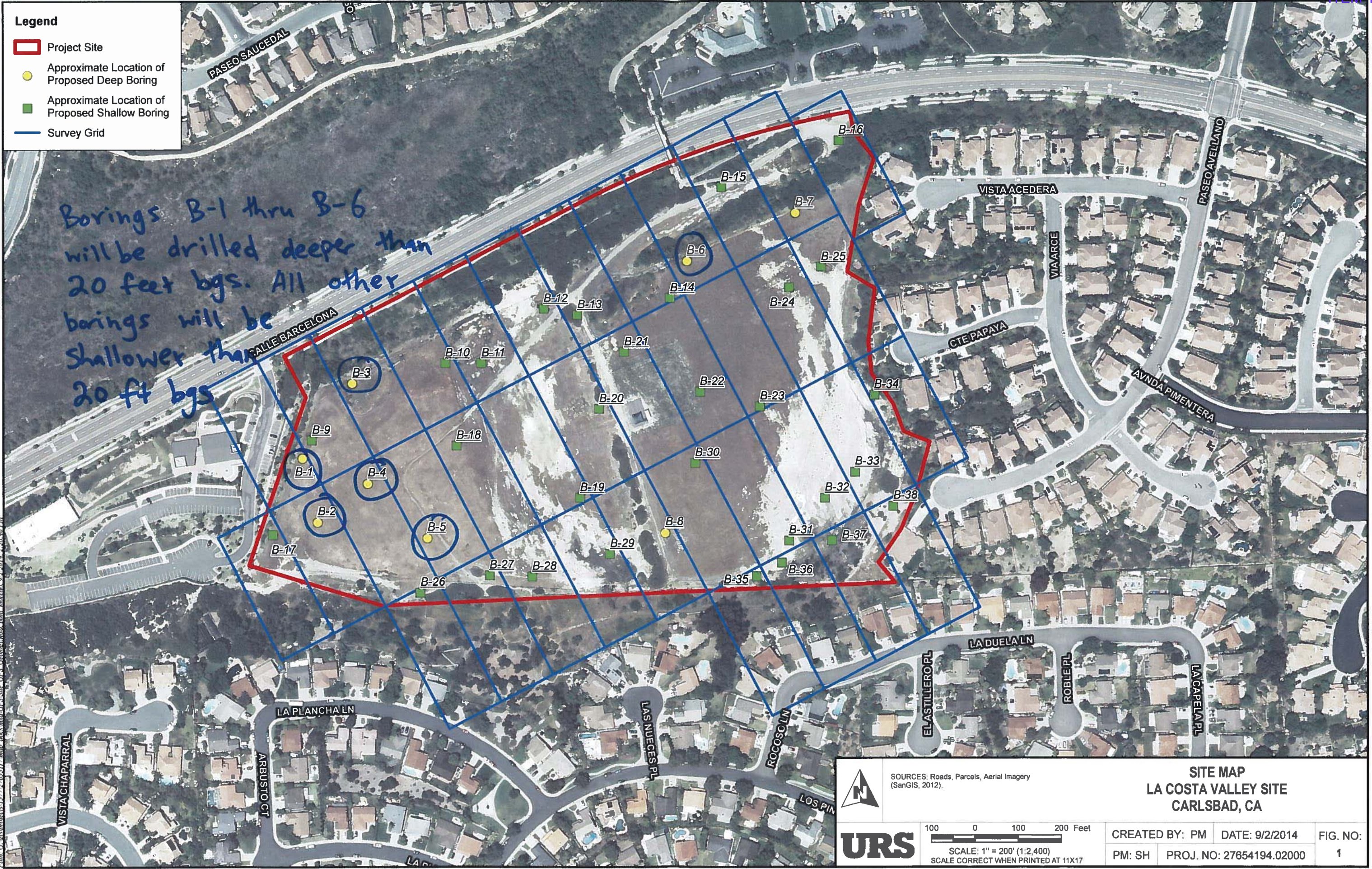


**H. FEES (in effect beginning July 1, 2012, through June 30, 2013)**

ACTIVITY	FEE SCHEDULE	AMOUNT	
<b>Permit for Well Installations Only</b> (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	\$200.00 for the first monitoring well		<b>\$200.00</b>
<b>Each Additional New Well</b>	\$161.00 for each additional well installation	___ x \$161.00	
<b>New Well Inspection</b>	\$99.00 for first new well inspection		<b>\$99.00</b>
	\$30.00 for each additional new well inspection	___ x \$ 30.00	
<b>Permit for Borings Only</b> (CPT's, Hydropunch, Geoprobos, Temporary Well Points, etc.)	\$200.00 for the first boring	<u>1</u> x \$200.00	<u>200</u>
	\$49.00 for each additional boring	<u>5</u> x \$ 49.00	<u>245</u>
<b>Permit for Well Destructions Only</b>	\$200.00 for the first destruction	___ x \$200.00	_____
	\$123.00 for each additional destruction	___ x \$123.00	_____
<b>Permit for any Combination of Well Installations, Borings, &amp; Destructions</b> (Except Enhanced Leak Detection)	\$200.00 for the first activity	___ x \$200.00	_____
	\$161.00 for each additional well	___ x \$161.00	_____
	\$99.00 for first well maintenance inspection	___ x \$ 99.00	_____
	\$ 30.00 for each additional well maintenance inspection	___ x \$ 30.00	_____
	\$123.00 for each well destruction	___ x \$123.00	_____
	\$ 49.00 for each additional boring	___ x \$ 49.00	_____
<b>Permit for Enhanced Leak Detection</b>	<b>\$320.00 (Flat Fee)</b>		\$ _____
	<b>TOTAL COST OF PERMIT</b>		<b>\$ <u>445.00</u></b>







**Legend**

- Project Site
- Approximate Location of Proposed Deep Boring
- Approximate Location of Proposed Shallow Boring
- Survey Grid

Borings B-1 thru B-6 will be drilled deeper than 20 feet bgs. All other borings will be shallower than 20 ft bgs



SOURCES: Roads, Parcels, Aerial Imagery (SanGIS, 2012).

**SITE MAP**  
**LA COSTA VALLEY SITE**  
**CARLSBAD, CA**



100 0 100 200 Feet  
SCALE: 1" = 200' (1:2,400)  
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: PM	DATE: 9/2/2014	FIG. NO:
PM: SH	PROJ. NO: 27654194.02000	1

Path: G:\projects\1527265317\map\_data\map\GIS\Site\_GIS\_Grad\grad\grad.mxd, 9/2/2014, 2:20:40 PM



# County of San Diego

ELIZABETH A. POZZEBON  
ACTING DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
LAND AND WATER QUALITY DIVISION  
P.O. BOX 129261, SAN DIEGO, CA 92112-9261  
858-505-6688/FAX 858-505-6891/1-800-253-9933  
www.sdcounty.ca.gov/deh/lwq

AMY HARBERT  
ACTING ASSISTANT

## PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address:

No Address

Assessor's Parcel Number (APN):

2552730800

(San Dieguito Union High School District)

I, Eric R. Dill, owner of the property/properties listed above, give my permission to URS Corporation (consulting company, contractor) to conduct the following work at the locations stated above.

Install \_\_\_\_\_ monitoring wells

Destroy \_\_\_\_\_ monitoring wells

Drill 6 soil borings

I understand that Masoud Karimi (registered professional) of URS Corporation (consulting company) and an authorized signer for Cascade Drilling L.P. (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature:

Date:

9-5-14

Print Name:

Eric R. Dill

Title:

Associate Supt. Bus. Services

Company:

San Dieguito Union High School District

Mailing Address:

710 Encinitas Blvd. Encinitas, CA 92024

**From:** [Tavizon, Veronica](#)  
**To:** [Karimi, Massoud](#)  
**Subject:** RE: Monitoring Well Question - Permit No. LMWP-001276  
**Date:** Monday, September 15, 2014 11:38:47 AM

---

Hi Massoud,  
The additional boring is approved. Retain a copy of this email for your records.  
Thank you,  
Veronica T.

*Veronica Tavizon-Hitchner, EHT  
Monitoring Well Program  
Department of Environmental Health  
County of San Diego*

*(858) 505-6789  
P.O. Box 129261, San Diego, CA 92112-9261  
or  
5500 Overland Ave., Ste 210, San Diego, CA 92123*

---

**From:** Karimi, Massoud [mailto:massoud.karimi@urs.com]  
**Sent:** Monday, September 15, 2014 11:27 AM  
**To:** Tavizon, Veronica  
**Cc:** Haber, Sam  
**Subject:** Monitoring Well Question - Permit No. LMWP-001276

Hi Veronica,

As per our telephone conversation minutes ago, I am sending this communication to notify your office of an additional boring that was drilled in excess of 20 feet under the following DEH approved well permit. A total of six (6) borings were originally authorized and paid for under the referenced permit, however the total now stands at seven (7) borings. Work has been completed and no additional drilling under the referenced permit is anticipated. A Boring Completion Report will be prepared and forwarded to your office within 60 days.

I understand that you have set up the on-line payment system to allow us to pay the additional fee for this boring. We will proceed to make this payment soon.

Thank you again for your time.

Kind Regards,  
Massoud

Ref. to:  
PERMIT #LMWP-001276

A.P.N. #255-273-08  
EST #404897 DTSC

*Massoud Karimi, PG*  
*URS Corporation*  
*4225 Executive Square, Suite 1600*  
*La Jolla, California 92037*  
*Tel: (858) 812-2814 (direct)*  
*Fax: (858) 812-9293*  
*e-mail: [massoud.karimi@urs.com](mailto:massoud.karimi@urs.com)*  
*web link: [www.urscorp.com](http://www.urscorp.com)*

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# APPENDIX E

## Analytical Laboratory Reports

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**WORK ORDER NUMBER: 14-09-0951**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For**

**Client:** URS Corporation

**Client Project Name:** La Costa Valley

**Attention:** Massoud Karimi

4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

*Vikas Patel*

Approved for release on 11/11/2014 by:  
Vikas Patel  
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



# Content

Client Project Name: La Costa Valley  
Work Order Number: 14-09-0951

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	3.2 EPA 8081A Organochlorine Pesticides (Solid). . . . .	10
4	Quality Control Sample Data. . . . .	34
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5	Sample Analysis Summary. . . . .	49
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Work Order: 14-09-0951Page 1 of 1

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**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 09/12/14. They were assigned to Work Order 14-09-0951.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Time:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Additional Comment:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: [http://www.calscience.com/PDF/New\\_York.pdf](http://www.calscience.com/PDF/New_York.pdf)

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**Contractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Detection Summary

Client: URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Work Order: 14-09-0951  
Project Name: La Costa Valley  
Received: 09/12/14

Attn: Massoud Karimi

Page 1 of 2

### Client Sample D

Analyte	Result	Qualifier	R	Unit	Method	Extraction
B-38-0.5 (14-09-0951-5) Arsenic	9.24		0.750	mg/kg	EPA 6010B	EPA 3050B
B-38-2.5 (14-09-0951-6) Arsenic	14.6		0.732	mg/kg	EPA 6010B	EPA 3050B
B-34-0.5 (14-09-0951-7) Arsenic	8.43		0.735	mg/kg	EPA 6010B	EPA 3050B
B-34-2.5 (14-09-0951-8) Arsenic	2.29		0.721	mg/kg	EPA 6010B	EPA 3050B
B-33-0.5 (14-09-0951-9) Arsenic	0.840		0.739	mg/kg	EPA 6010B	EPA 3050B
B-33-2.5 (14-09-0951-10) Arsenic	17.7		0.721	mg/kg	EPA 6010B	EPA 3050B
B-32-0.5 (14-09-0951-11) Arsenic	5.94		0.714	mg/kg	EPA 6010B	EPA 3050B
B-32-2.5 (14-09-0951-12) Arsenic	1.02		0.773	mg/kg	EPA 6010B	EPA 3050B
B-31-0.5 (14-09-0951-13) Arsenic	5.23		0.732	mg/kg	EPA 6010B	EPA 3050B
B-22-0.5 (14-09-0951-17) Arsenic	5.99		0.725	mg/kg	EPA 6010B	EPA 3050B
B-22-2.5 (14-09-0951-18) Arsenic	15.7		0.758	mg/kg	EPA 6010B	EPA 3050B
B-21-0.5 (14-09-0951-20) Arsenic	4.12		0.746	mg/kg	EPA 6010B	EPA 3050B
B-25-2.5 (14-09-0951-21) Arsenic	4.45		0.714	mg/kg	EPA 6010B	EPA 3050B
B-12-0.5 (14-09-0951-26) Arsenic	1.51		0.754	mg/kg	EPA 6010B	EPA 3050B
B-9-2.5 (14-09-0951-33) Arsenic	11.8		0.777	mg/kg	EPA 6010B	EPA 3050B
B-17-0.5 (14-09-0951-34) Arsenic	5.52		0.732	mg/kg	EPA 6010B	EPA 3050B
B-28-0.5 (14-09-0951-41) Arsenic	9.04		0.761	mg/kg	EPA 6010B	EPA 3050B
B-29-2.5 (14-09-0951-46) Arsenic	4.90		0.750	mg/kg	EPA 6010B	EPA 3050B
B-18-0.5 (14-09-0951-51) Arsenic	6.83		0.769	mg/kg	EPA 6010B	EPA 3050B

\* MDL is shown



## Detection Summary

Client: URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Work Order: 14-09-0951  
Project Name: La Costa Valley  
Received: 09/12/14

Attn: Massoud Karimi

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### Client Sample Data

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>R</u>	<u>Unit</u>	<u>Method</u>	<u>Extraction</u>
B-21-2.5 (14-09-0951-55) Arsenic	6.93		0.728	mg/kg	EPA 6010B	EPA 3050B
B-23-0.5 (14-09-0951-56) Arsenic	11.5		0.739	mg/kg	EPA 6010B	EPA 3050B
B-23-2.5 (14-09-0951-57) Arsenic	4.73		0.739	mg/kg	EPA 6010B	EPA 3050B
B-30-0.5 (14-09-0951-61) Arsenic	6.82		0.746	mg/kg	EPA 6010B	EPA 3050B
B-30-2.5 (14-09-0951-62) Arsenic	8.82		0.714	mg/kg	EPA 6010B	EPA 3050B
DUP 1 (14-09-0951-162) Arsenic	5.58		0.732	mg/kg	EPA 6010B	EPA 3050B
DUP 3 (14-09-0951-164) Arsenic	16.0		0.758	mg/kg	EPA 6010B	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B- -0 5	14-09-0951-5-A	09 11 14 09:	oli	CP 00	09 9 14	09 0 14 1 :5	1409 9 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		9.24		0.750		1.00	
B- - 5	14-09-0951- -A	09 11 14 09:45	oli	CP 00	09 19 14	09 1 14 14:1	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		14.6		0.732		0.976	
B- 4-0 5	14-09-0951- -A	09 11 14 09:55	oli	CP 00	09 9 14	09 0 14 1 :5	1409 9 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		8.43		0.735		0.980	
B- 4- 5	14-09-0951- -A	09 11 14 10:0	oli	CP 00	09 19 14	09 1 14 14:1	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		2.29		0.721		0.962	
B- -0 5	14-09-0951-9-A	09 11 14 10: 0	oli	CP 00	09 4 14	09 4 14 1:1	1409 4 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		0.840		0.739		0.985	
B- - 5	14-09-0951-10-A	09 11 14 10: 0	oli	CP 00	09 19 14	09 1 14 14:1	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		17.7		0.721		0.962	
B- -0 5	14-09-0951-11-A	09 11 14 10: 0	oli	CP 00	09 9 14	09 0 14 1 :5	1409 9 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		5.94		0.714		0.952	
B- - 5	14-09-0951-1 -A	09 11 14 10: 0	oli	CP 00	09 19 14	09 1 14 14:1	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		1.02		0.773		1.03	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B- 1-0 5	14-09-0951-1 -A	09 11 14 10:40	oli	CP 00	09 19 14	09 1 14 14:1	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		5.23		0.732		0.976	
B- -0 5	14-09-0951-1 -A	09 11 14 11:50	oli	CP 00	09 9 14	09 0 14 1 :5	1409 9 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		5.99		0.725		0.966	
B- - 5	14-09-0951-1 -A	09 11 14 11:50	oli	CP 00	09 19 14	09 1 14 14: 0	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		15.7		0.758		1.01	
B- 1-0 5	14-09-0951- 0-A	09 11 14 1 :0	oli	CP 00	09 9 14	09 0 14 1 :5	1409 9 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		4.12		0.746		0.995	
B- 5- 5	14-09-0951- 1-A	09 11 14 1 :15	oli	CP 00	09 19 14	09 1 14 14: 1	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		4.45		0.714		0.952	
B-1 -0 5	14-09-0951- -A	09 11 14 14:	oli	CP 00	09 19 14	09 1 14 14: 4	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		1.51		0.754		1.01	
B-9- 5	14-09-0951- -A	09 11 14 14:5	oli	CP 00	09 19 14	09 1 14 14: 0	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		11.8		0.777		1.04	
B-1 -0 5	14-09-0951- 4-A	09 11 14 15:05	oli	CP 00	09 19 14	09 1 14 14: 1	140919 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		5.52		0.732		0.976	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B- -0 5</b>	<b>14-09-0951-41-A</b>	<b>09 11 14 15:</b>	<b>oli</b>	<b>CP 00</b>	<b>09 19 14</b>	<b>09 1 14 14:</b>	<b>140919 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		9.04		0.761		1.02	
<b>B- 9- 5</b>	<b>14-09-0951-4 -A</b>	<b>09 11 14 15:49</b>	<b>oli</b>	<b>CP 00</b>	<b>09 19 14</b>	<b>09 1 14 14:0</b>	<b>140919 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		4.90		0.750		1.00	
<b>B-1 -0 5</b>	<b>14-09-0951-51-A</b>	<b>09 11 14 1 :0</b>	<b>oli</b>	<b>CP 00</b>	<b>09 19 14</b>	<b>09 1 14 14:41</b>	<b>140919 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		6.83		0.769		1.03	
<b>B- 1- 5</b>	<b>14-09-0951-55-A</b>	<b>09 11 14 1 :0</b>	<b>oli</b>	<b>CP 00</b>	<b>09 19 14</b>	<b>09 1 14 14:44</b>	<b>140919 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		6.93		0.728		0.971	
<b>B- -0 5</b>	<b>14-09-0951-5 -A</b>	<b>09 11 14 1 :5</b>	<b>oli</b>	<b>CP 00</b>	<b>09 9 14</b>	<b>09 0 14 1 :01</b>	<b>1409 9 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		11.5		0.739		0.985	
<b>B- - 5</b>	<b>14-09-0951-5 -A</b>	<b>09 11 14 1 :5</b>	<b>oli</b>	<b>CP 00</b>	<b>09 19 14</b>	<b>09 1 14 14:45</b>	<b>140919 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		4.73		0.739		0.985	
<b>B- 0-0 5</b>	<b>14-09-0951- 1-A</b>	<b>09 11 14 1 :</b>	<b>oli</b>	<b>CP 00</b>	<b>09 19 14</b>	<b>09 1 14 14:4</b>	<b>140919 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		6.82		0.746		0.995	
<b>B- 0- 5</b>	<b>14-09-0951- -A</b>	<b>09 11 14 1 :</b>	<b>oli</b>	<b>CP 00</b>	<b>09 19 14</b>	<b>09 1 14 14:4</b>	<b>140919 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		8.82		0.714		0.952	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP 1	14-09-0951-1 -A	09 1 14 00:00	oli	CP 00	09 19 14	09 1 14 14:59	140919 0
<u>Parameter</u>		<u>Result</u>				<u>DF</u>	<u>Qualifiers</u>
Arsenic		5.58				0.976	
DUP	14-09-0951-1 4-A	09 1 14 00:00	oli	CP 00	09 19 14	09 1 14 15:01	140919 04
<u>Parameter</u>		<u>Result</u>				<u>DF</u>	<u>Qualifiers</u>
Arsenic		16.0				1.01	
Met o Blan	09 -01-00 -1 995	N A	oli	CP 00	09 19 14	09 1 14 1 :5	140919 0
<u>Parameter</u>		<u>Result</u>				<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND				1.00	
Met o Blan	09 -01-00 -1 99	N A	oli	CP 00	09 19 14	09 1 14 1 :5	140919 0
<u>Parameter</u>		<u>Result</u>				<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND				1.00	
Met o Blan	09 -01-00 -1 9 5	N A	oli	CP 00	09 19 14	09 19 14 1 :14	140919 04
<u>Parameter</u>		<u>Result</u>				<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND				1.00	
Met o Blan	09 -01-00 -19010	N A	oli	CP 00	09 4 14	09 4 14 0: 9	1409 4 0
<u>Parameter</u>		<u>Result</u>				<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND				1.00	
Met o Blan	09 -01-00 -191	N A	oli	CP 00	09 14	09 0 14 14:5	1409 9 0
<u>Parameter</u>		<u>Result</u>				<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND				1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C1	14-09-0951-1	-A 09 1 14 00:00	oli	C 41	09 19 14	09 1 14 04:	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C	14-09-0951-1 9-A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 04:4	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C	14-09-0951-140-A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 04:59	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
Decachlorobiphenyl	90	24-168		
2,4,5,6-Tetrachloro-m-Xylene	76	25-145		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C4	14-09-0951-141-A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 05:14	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C5	14-09-0951-14 -A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 05: 9	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C	14-09-0951-14 -A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 05:44	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C	14-09-0951-144-A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 05:59	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C	14-09-0951-145-A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 0 :14	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C9	14-09-0951-14 -A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 0 : 0	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
Decachlorobiphenyl	90	24-168		
2,4,5,6-Tetrachloro-m-Xylene	76	25-145		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>C10</b>	<b>14-09-0951-14 -A</b>	<b>09 1 14 00:00</b>	<b>oli</b>	<b>C 41</b>	<b>09 19 14</b>	<b>09 1 14 0 :45</b>	<b>140919 0</b>

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
Decachlorobiphenyl	93	24-168		
2,4,5,6-Tetrachloro-m-Xylene	82	25-145		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C11	14-09-0951-14 -A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 11:1	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C1	14-09-0951-149-A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 11:	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C1	14-09-0951-150-A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 11:4	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>C14</b>	<b>14-09-0951-151-A</b>	<b>09 1 14 00:00</b>	<b>oli</b>	<b>C 41</b>	<b>09 19 14</b>	<b>09 1 14 11:5</b>	<b>140919 0</b>

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C15	14-09-0951-15 -A	09 1 14 00:00	oli	C 41	09 19 14	09 1 14 1 :14	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha Chlordane	ND	5.1	1.00	
Alpha-BHC	ND	5.1	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	5.1	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	ND	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	5.1	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma Chlordane	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	5.1	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C1	14-09-0951-15 -A	09 1 14 00:00	oli	C 41	09 19 14	09 14 01:	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C1	14-09-0951-154-A	09 1 14 00:00	oli	C 41	09 19 14	09 14 01:	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C1	14-09-0951-155-A	09 1 14 00:00	oli	C 41	09 19 14	09 14 01:5	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>C19</b>	<b>14-09-0951-15 -A</b>	<b>09 1 14 00:00</b>	<b>oli</b>	<b>C 41</b>	<b>09 19 14</b>	<b>09 14 0 :0</b>	<b>140919 0</b>

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha Chlordane	ND	5.1	1.00	
Alpha-BHC	ND	5.1	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	5.1	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	ND	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	5.1	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma Chlordane	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	5.1	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
C 0	14-09-0951-15 -A	09 1 14 00:00	oli	C 41	09 19 14	09 14 0 : 4	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP	14-09-0951-15 -A	09 1 14 00:00	oli	C 41	09 1 14	09 1 14 0 :00	14091 01A

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
Decachlorobiphenyl	94	24-168		
2,4,5,6-Tetrachloro-m-Xylene	76	25-145		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP 4	14-09-0951-159-A	09 1 14 00:00	oli	C 41	09 1 14	09 1 14 0 :15	14091 01A

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
Decachlorobiphenyl	96	24-168		
2,4,5,6-Tetrachloro-m-Xylene	85	25-145		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Met o Blan	099-1 -5 -1 05	N A	oli	C 41	09 1 14	09 0 14 0:0	14091 01A

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: La Costa Valley

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Met o Blan	099-1 -5 -1 04	N A	oli	C 41	09 19 14	09 0 14 0:0	140919 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha Chlordane	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma Chlordane	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B-1 - 5	Sample	oil	CP 00	09 19 14	09 11 14 14:0	140919 0				
B-1 - 5	Matrix Spike	oil	CP 00	09 19 14	09 11 14 14:0	140919 0				
B-1 - 5	Matrix Duplicate	oil	CP 00	09 19 14	09 11 14 14:0	140919 0				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	1.912	25.00	25.44	94	27.04	101	75-125	6	0-20	





Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B- 9- 5	Sample	oil	CP 00	09 19 14	09 11 14 14:0	140919 0
B- 9- 5	Matrix Spike	oil	CP 00	09 19 14	09 11 14 14:09	140919 0
B- 9- 5	Matrix Duplicate	oil	CP 00	09 19 14	09 11 14 14:10	140919 0

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	4.895	25.00	28.84	96	29.58	99	75-125	3	0-20	



RPD: Relative Percent Difference. CL: Control Limits



Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-14 -1	Sample	oil	CP 00	09 19 14	09 19 14 1 :1	140919 04
14-09-14 -1	Matrix Spike	oil	CP 00	09 19 14	09 19 14 1 :1	140919 04
14-09-14 -1	Matrix Spike Duplicate	oil	CP 00	09 19 14	09 19 14 1 :1	140919 04

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	1.735	25.00	25.92	97	26.97	101	75-125	4	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1 -1	Sample	oil	CP 00	09 4 14	09 4 14 0:44	1409 4 0
14-09-1 -1	Matrix Spike	oil	CP 00	09 4 14	09 4 14 0:4	1409 4 0
14-09-1 -1	Matrix Duplicate	oil	CP 00	09 4 14	09 4 14 0:4	1409 4 0

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	2.331	25.00	27.21	100	28.17	103	75-125	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B- -05	Sample	oil	CP 00	09 9 14	09 0 14 1 :5	1409 9 0
B- -05	Matrix Spike	oil	CP 00	09 9 14	09 0 14 1 :5	1409 9 0
B- -05	Matrix Spike Duplicate	oil	CP 00	09 9 14	09 0 14 1 :0	1409 9 0

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	9.245	25.00	26.36	68	29.24	80	75-125	10	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A

Project: La Costa Valley

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-10 4-	ample	oli	C 41	09 1 14	09 19 14 1 :4	14091 01
14-09-10 4-	Matri pi e	oli	C 41	09 1 14	09 19 14 1 :19	14091 01
14-09-10 4-	Matri pi e D plicate	oli	C 41	09 1 14	09 19 14 1 : 4	14091 01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	29.45	118	24.98	100	50-135	16	0-25	
Alpha Chlordane	ND	25.00	31.46	126	31.82	127	50-135	1	0-25	
Alpha-BHC	ND	25.00	23.59	94	21.33	85	50-135	10	0-25	
Beta-BHC	ND	25.00	22.57	90	18.25	73	50-135	21	0-25	
4,4'-DDD	ND	25.00	30.59	122	32.35	129	50-135	6	0-25	
4,4'-DDE	ND	25.00	31.27	125	33.37	133	50-135	7	0-25	
4,4'-DDT	ND	25.00	19.06	76	17.71	71	50-135	7	0-25	
Delta-BHC	ND	25.00	21.11	84	18.83	75	50-135	11	0-25	
Dieldrin	ND	25.00	28.12	112	28.08	112	50-135	0	0-25	
Endosulfan I	ND	25.00	25.80	103	26.04	104	50-135	1	0-25	
Endosulfan II	ND	25.00	25.25	101	25.53	102	50-135	1	0-25	
Endosulfan Sulfate	ND	25.00	29.50	118	28.68	115	50-135	3	0-25	
Endrin	ND	25.00	29.44	118	29.21	117	50-135	1	0-25	
Endrin Aldehyde	ND	25.00	25.87	103	26.08	104	50-135	1	0-25	
Gamma Chlordane	ND	25.00	25.68	103	25.94	104	50-135	1	0-25	
Gamma-BHC	ND	25.00	25.34	101	20.58	82	50-135	21	0-25	
Heptachlor	ND	25.00	56.07	224	29.81	119	50-135	61	0-25	3,4
Heptachlor Epoxide	ND	25.00	25.78	103	25.74	103	50-135	0	0-25	
Methoxychlor	ND	25.00	20.83	83	18.32	73	50-135	13	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - pi e pi e D plicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A

Project: La Costa Valley

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>C10</b>	<b>ample</b>	<b>oli</b>	<b>C 41</b>	<b>09 19 14</b>	<b>09 1 14 0 :45</b>	<b>140919 0</b>
<b>C10</b>	<b>Matri pi e</b>	<b>oli</b>	<b>C 41</b>	<b>09 19 14</b>	<b>09 1 14 10:4</b>	<b>140919 0</b>
<b>C10</b>	<b>Matri pi e D plicate</b>	<b>oli</b>	<b>C 41</b>	<b>09 19 14</b>	<b>09 1 14 10:5</b>	<b>140919 0</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	25.94	104	25.11	100	50-135	3	0-25	
Alpha Chlordane	ND	25.00	25.93	104	25.31	101	50-135	2	0-25	
Alpha-BHC	ND	25.00	26.04	104	20.97	84	50-135	22	0-25	
Beta-BHC	ND	25.00	24.87	99	18.87	75	50-135	27	0-25	4
4,4'-DDD	ND	25.00	26.14	105	25.70	103	50-135	2	0-25	
4,4'-DDE	ND	25.00	27.33	109	26.77	107	50-135	2	0-25	
4,4'-DDT	ND	25.00	28.92	116	26.58	106	50-135	8	0-25	
Delta-BHC	ND	25.00	17.58	70	16.06	64	50-135	9	0-25	
Dieldrin	ND	25.00	26.88	108	26.38	106	50-135	2	0-25	
Endosulfan I	ND	25.00	25.24	101	24.73	99	50-135	2	0-25	
Endosulfan II	ND	25.00	25.59	102	24.90	100	50-135	3	0-25	
Endosulfan Sulfate	ND	25.00	24.15	97	23.14	93	50-135	4	0-25	
Endrin	ND	25.00	28.65	115	27.78	111	50-135	3	0-25	
Endrin Aldehyde	ND	25.00	25.11	100	24.54	98	50-135	2	0-25	
Gamma Chlordane	ND	25.00	25.47	102	24.80	99	50-135	3	0-25	
Gamma-BHC	ND	25.00	28.00	112	22.32	89	50-135	23	0-25	
Heptachlor	ND	25.00	27.52	110	25.90	104	50-135	6	0-25	
Heptachlor Epoxide	ND	25.00	25.30	101	24.74	99	50-135	2	0-25	
Methoxychlor	ND	25.00	26.80	107	25.43	102	50-135	5	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - PD

URS Corporation 4225 Executive Square, Suite 1600 La Jolla, CA 92037-1487	Date Received: 09/12/14 Work Order: 14-09-0951 Preparation: EPA 3050B Method: EPA 6010B
Project: La Costa Valley	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
14-09-1 -1	ample	oli	CP 00	09 4 14 00:00	09 4 14 0:44	1409 4 0
14-09-1 -1	PD	oli	CP 00	09 4 14 00:00	09 4 14 0:4	1409 4 0

<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	2.331	25.00	27.64	101	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -1 995	C	oil	CP 00	09 19 14	09 1 14 14:00	140919 0
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		25.00	26.06	104	80-120	





Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -1 99	C	oil	CP 00	09 19 14	09 1 14 14:04	140919 0
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		25.00	26.21	105	80-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -1 9 5	C	oil	CP 00	09 19 14	09 19 14 1 :15	140919 04
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		25.00	25.80	103	80-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -19010	C	oil	CP 00	09 4 14	09 4 14 0:4	1409 4 0
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		25.00	25.53	102	80-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: La Costa Valley

Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -191	C	oil	CP 00	09 14	09 0 14 14:5	1409 9 0
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		25.00	26.14	105	80-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A

Project: La Costa Valley

Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number	
099-1 -5 -1 05	C	oil	C 41	09 1 14	09 19 14 1 :	14091 01A	
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Aldrin		25.00	23.30	93	50-135	36-149	
Alpha Chlordane		25.00	23.78	95	50-135	36-149	
Alpha-BHC		25.00	19.72	79	50-135	36-149	
Beta-BHC		25.00	25.97	104	50-135	36-149	
4,4'-DDD		25.00	25.78	103	50-135	36-149	
4,4'-DDE		25.00	24.93	100	50-135	36-149	
4,4'-DDT		25.00	20.58	82	50-135	36-149	
Delta-BHC		25.00	14.79	59	50-135	36-149	
Dieldrin		25.00	25.17	101	50-135	36-149	
Endosulfan I		25.00	22.52	90	50-135	36-149	
Endosulfan II		25.00	22.47	90	50-135	36-149	
Endosulfan Sulfate		25.00	21.16	85	50-135	36-149	
Endrin		25.00	25.54	102	50-135	36-149	
Endrin Aldehyde		25.00	22.38	90	50-135	36-149	
Gamma Chlordane		25.00	23.85	95	50-135	36-149	
Gamma-BHC		25.00	20.56	82	50-135	36-149	
Heptachlor		25.00	22.97	92	50-135	36-149	
Heptachlor Epoxide		25.00	23.07	92	50-135	36-149	
Methoxychlor		25.00	20.97	84	50-135	36-149	

Total number of LCS compounds: 19

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-0951  
Preparation: EPA 3545  
Method: EPA 8081A

Project: La Costa Valley

Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number	
<b>099-1 -5 -1 04</b>	<b>C</b>	<b>oil</b>	<b>C 41</b>	<b>09 19 14</b>	<b>09 0 14 19:5</b>	<b>140919 0</b>	
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Aldrin		25.00	26.42	106	50-135	36-149	
Alpha Chlordane		25.00	26.43	106	50-135	36-149	
Alpha-BHC		25.00	23.05	92	50-135	36-149	
Beta-BHC		25.00	20.26	81	50-135	36-149	
4,4'-DDD		25.00	27.91	112	50-135	36-149	
4,4'-DDE		25.00	27.56	110	50-135	36-149	
4,4'-DDT		25.00	25.27	101	50-135	36-149	
Delta-BHC		25.00	16.85	67	50-135	36-149	
Dieldrin		25.00	27.46	110	50-135	36-149	
Endosulfan I		25.00	26.37	105	50-135	36-149	
Endosulfan II		25.00	26.28	105	50-135	36-149	
Endosulfan Sulfate		25.00	23.99	96	50-135	36-149	
Endrin		25.00	26.74	107	50-135	36-149	
Endrin Aldehyde		25.00	23.85	95	50-135	36-149	
Gamma Chlordane		25.00	27.67	111	50-135	36-149	
Gamma-BHC		25.00	24.28	97	50-135	36-149	
Heptachlor		25.00	27.53	110	50-135	36-149	
Heptachlor Epoxide		25.00	24.83	99	50-135	36-149	
Methoxychlor		25.00	25.34	101	50-135	36-149	

Total number of LCS compounds: 19

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



# Sample Analysis Summary Report

Work Order: 14-09-0951

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Concentration</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 6010B	EPA 3050B	598	ICP 7300	1
EPA 8081A	EPA 3545	886	GC 41	1

  
Return to Contents

<u>alias</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





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LABORATORY CLIENT: La Costa URS Corporation

ADDRESS: 4225 Executive Square #1600 STATE: CA ZIP: 92637

CITY: La Jolla, CA

TEL: 858.82.9292 E-MAIL: Massad.Korini@urs.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

COELT EDF  OTHER

SPECIAL INSTRUCTIONS:  
 \* See table 1 for instructions on which samples to composite.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
1	B-14-0.5	091114	0900	Soil	1
2	B-16-2.5		0900		
3	B-15-0.5		0920		
4	B-15-2.5		0910		
5	B-38-0.5		0933		
6	B-38-2.5		0945		
7	B-34-0.5		0955		
8	B-34-2.5		1008		
9	B-33-0.5		1010		
10	B-33-2.5		1010		

Received by: (Signature/Affiliation) [Signature]

Received by: (Signature/Affiliation) [Signature]

Received by: (Signature/Affiliation) [Signature]

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **14-09-0951**

DATE: 9/11/14 OF 6

CLIENT PROJECT NAME / NO.: La Costa Valley

PROJECT CONTACT: Massad Korini

GLOBAL ID: \_\_\_\_\_

LOG CODE: \_\_\_\_\_

SAMPLER(S): (PRINT) K. Futz

P.O. NO.: \_\_\_\_\_

LAB CONTACT OR QUOTE NO.: \_\_\_\_\_

REQUESTED ANALYSES

Please check box or fill in blank as needed.

Requested Analysis	Requested
TPH (g) □ GRO	
TPH (g) □ DRO	
TPH □ C6-C36 □ C5-C44	
TPH	
BTEX / MTBE □ 8260 □	
VOCs (8260)	
Oxygenates (8260)	
Prep (5035) □ En Core □ Terra Core	
SVOCs (8270)	
Pesticides (8081)	
PCBs (8082)	
PAHs □ 8270 □ 8270 SIM	
T22 Metals □ 6010/747X □ 6020/747X	
Cr(VI) □ 7196 □ 7199 □ 218.6	
Asenic	

Date: 09/11/14 Time: 1635

Date: 9/11/14 Time: 1855





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CHAIN-OF-CUSTODY RECORD

DATE: 9/11/14  
PAGE: 2 OF 6

WO NO. / LAB USE ONLY  
14-09-0951

LABORATORY CLIENT: URS Corporation  
 ADDRESS: 4725 Executive Square #1600  
 CITY: La Jolla STATE: CA ZIP: 92037  
 TEL: 858-512-9267 E-MAIL: Massood.Karimic@URS.com  
 TURNAROUND TIME (Rush surcharges may apply to any FAT not STANDARD):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD  
 EOD:  
 COELT EDF  OTHER

CLIENT PROJECT NAME / NO.: La Costa Valley  
 PROJECT CONTACT: Massood Karimic  
 GLOBAL ID: \_\_\_\_\_ LOG CODE: \_\_\_\_\_  
 P.O. NO.: \_\_\_\_\_  
 LAB CONTACT OR QUOTE NO.: \_\_\_\_\_  
 SAMPLER(S): (PRINT) K. Fush

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH _____	BTEX / MTBE <input type="checkbox"/> 8260 _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	Asenil	OCB	Asenil			
		DATE	TIME																							
11	B-32-0.5	09/11/14	1030	Soil	1																					
12	B-32-2.5		<del>1030</del> 1030																							
13	B-34-0.5		1040																							
14	B-34-2.5		1040																							
15	B-36-0.5		1045																							
16	B-36-2.5		1045																							
17	B-22-0.5		1150																							
18	B-22-2.5		1150																							
19	DUP 3		1156																							
20	B-21-0.5		1208																							

Relinquished by: (Signature) \_\_\_\_\_ Date: 09/11/14 Time: 1635  
 Received by: (Signature/Affiliation) \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date: 9/11/14 Time: 1855  
 Received by: (Signature/Affiliation) \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: (Signature/Affiliation) \_\_\_\_\_

ITEM 19



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LABORATORY CLIENT:

URS Corporation  
4225 Executive Square, #1600  
La Jolla, CA 92037  
E-MAIL: Massad.Kovini@urs.com  
TEL: 858.812.9222

TURNAROUND TIME (Rush surcharges may apply to any FAT not "STANDARD"):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD  
EOD:

COELT EDF  OTHER

SPECIAL INSTRUCTIONS:

\* See table 1 for instructions  
on which samples to  
composite

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

DATE: 9/11/14  
PAGE: 3 OF 6

14-09-0951

CLIENT PROJECT NAME / NO.:

Lea Lake Valley  
PROJECT CONTACT:  
Massad Kovini

GLOBAL ID:

LOG CODE:

SAMPLER(S) (PRINT)

K. Foster

LAB CONTACT OR QUOTE NO.:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) GRO	TPH (g) DRO	TPH C6-C36 C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals 6010/747X 6020/747X	CR(VI) 7196 7199 218.6	Other		
21	B-25-2.5	091114	1315	Soil	1																				
22	B-14-0.5		1417																						
23	B-14-2.5		1417																						
24	B-13-0.5		1425																						
25	B-13-2.5		1425																						
26	B-12-0.5		1432																						
27	B-12-2.5		1432																						
28	B-10-0.5		1445																						
29	B-10-2.5		1445																						
30	B-11-0.5	091114	1430																						

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Date:

Date:

Date:

Time:

Time:

Time:

Signature

Signature

Signature

09/11/14

09/11/14

09/11/14

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LABORATORY CLIENT:

URS Corporation

ADDRESS:

4225 Executive Square, #1600

CITY:

La Jolla

STATE:

CA

ZIP:

92037

TEL:

858.812.9292

E-MAIL:

Massad.Karimi@urs.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):

SAME DAY  24 HR  48 HR  5 DAYS  STANDARD

EDD:

COELT EDF  OTHER

SPECIAL INSTRUCTIONS:

\* See table 1 for instructions on which samples to compare

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

14-09-0951

DATE: 9/11/14

PAGE: 4 OF 6

CLIENT PROJECT NAME / NO.:

La Costa Valley

P.O. NO.:

LAB CONTACT OR QUOTE NO.:

PROJECT CONTACT:

Massad Karimi

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

K. Faste

REQUESTED ANALYSES

Please check box or fill in blank as needed.

Unpreserved	Field Filtered	TPH	TPH (g) <input type="checkbox"/> GRO	TPH (d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	OCES	Arsenic
-------------	----------------	-----	--------------------------------------	--------------------------------------	---	--	-------------	-------------------	--	--------------	-------------------	-------------	--	--	---	------	---------

Received by: (Signature/Affiliation)

Date: 09/11/14

Time: 1635

Received by: (Signature/Affiliation)

Date: 9/11/14

Time: 1855

Received by: (Signature/Affiliation)

Date:

Time:

ITEM 19



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LABORATORY CLIENT: URS Corporation ADDRESS: 6225 Executive Sq, #1600 CITY: La Jolla STATE: CA ZIP: 92037

TEL: 858.812.9292 E-MAIL: massood.karimi@urs.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

EOB:  COELT EDF  OTHER

SPECIAL INSTRUCTIONS:  
\* See table 1 for instructions on which samples to composite

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 14-09-0951  
DATE: 9/11/14 PAGE: 5 OF 6

CLIENT PROJECT NAME / NO.: La Costa Valley  
PROJECT CONTACT: Masood Karimi  
GLOBAL ID: \_\_\_\_\_ LOG CODE: \_\_\_\_\_  
SAMPLER(S) (PRINT): Keith Foster

LAB CONTACT OR QUOTE NO.:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Field Filled	Preserved	Unpreserved	TPH (g) <input type="checkbox"/> GRO	TPH (d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	BTEX / MTBE <input type="checkbox"/> 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	As	OCs	Asenic		
39	B-27-0.5	091114	1502	Soil	1																					
40	B-27-2.5		1502																							
41	B-28-0.5		1503																							
42	B-28-2.5		1533																							
43	B-19-0.5		1540																							
44	B-19-2.5		1540																							
45	B-29-0.5		1549																							
46	B-29-2.5		1549																							
47	B-35-0.5		1100																							
48	B-35-2.5		1100																							

Relinquished by: (Signature) \_\_\_\_\_ Date: 09/11/14 Time: 1635  
Relinquished by: (Signature) \_\_\_\_\_ Date: 9/11/14 Time: 1855  
Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

ITEM 19



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LABORATORY CLIENT:

URS Corporation

4225 Executive Spine #1600

La Jolla CA 92038

858.812.9292 Massaud Karim

TURNAROUND TIME (rush surcharges may apply to any TAT not STANDARD)

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

COELT EDF  OTHER

SPECIAL INSTRUCTIONS:

\* See table 1 for instructions on which samples to composite

CHAIN-OF-CUSTODY RECORD  
DATE: 7/11/14  
PAGE: OF

WO NO. / LAB USE ONLY  
14-09-0951

CLIENT PROJECT NAME / NO.  
La Costa Valley  
PROJECT CONTACT  
Massaud Karim  
GLOBAL ID:  
LOG CODE:  
SAMPLER(S) (PRINT)  
K. Foster

REQUESTED ANALYSES  
Please check box or fill in blank as needed.

Unpreserved	Field Filtered	TPH (g) □ GFO	TPH (d) □ DRO	TPH □ C6-C36 □ C6-C44	TPH	BTEX / MTBE □ 8260 □	VOCs (8260)	Oxygenates (8260)	Prep (5035) □ En Core □ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs □ 8270 □ 8270 SIM	T22 Metals □ 6010/747X □ 6020/747X	Cr(VI) □ 7196 □ 7199 □ 218 6
-------------	----------------	---------------	---------------	-----------------------	-----	----------------------	-------------	-------------------	------------------------------------	--------------	-------------------	-------------	------------------------	------------------------------------	------------------------------

Received by: (Signature/Affiliation) [Signature]  
 Received by: (Signature/Affiliation) [Signature]  
 Received by: (Signature/Affiliation) [Signature]

Date: 9/11/14  
 Date: 9/11/14  
 Date: 9/11/14

Time: 16:35  
 Time: 1855  
 Time:

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
55	B-21-2.5	091114	1208	Soil	1
53	B-8-0.5		1222		
54	B-8-2.5		1222		
61	B-80-0.5		1233		
62	B-30-2.5		1233		
56	B-23-0.5		1252		
57	B-23-2.5		1252		
58	B-24-0.5		1302		
59	B-24-2.5		1302		
60	B-25-0.5		1315		

Reinquired by: (Signature)

Reinquired by: (Signature)

Reinquired by: (Signature)



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LABORATORY CLIENT:

WPS Corporation  
4225 Executive Square Dr  
La Jolla CA 92037  
E-MAIL: Massad.Karimi@wps.com  
TEL: 858-812-9292  
TURNAROUND TIME (Rush surcharges may apply to any FAT not "STANDARD"):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD  
EOD:

COELT EDF  OTHER  
SPECIAL INSTRUCTIONS:

Hold All Samples from 5 feet & deeper  
for possible TOC analysis  
See Table 1 for instructions on which  
Samples should be composited

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
73	B-6-2.5	9/11/14	1310	Soil	1591
74	B-6-5		1317		
75	B-6-10.5		1322		
76	B-6-15		1325		
77	B-6-18		1330		
78	B-6-20		1338		
79	B-6-25		1340		
80	B-6-30		1400		
81	B-6-34		1402		
82	B-8-5	9/11/14	1503	Soil	1591

Relinquished by: (Signature) *Sam Haber*  
Relinquished by: (Signature)  
Relinquished by: (Signature)

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY  
14-09-0945  
DATE: 9/11/14  
PAGE: 2 OF 3

CLIENT PROJECT NAME / NO.:  
San Diego Yuba High School District  
PROJECT CONTACT:  
Massad Karimi  
GLOBAL ID:  
LOG CODE:  
SAMPLER(S): (PRINT)  
Sam Haber  
P.O. NO.:  
27654194.02000  
LAB CONTACT OR QUOTE NO.:

REQUESTED ANALYSES  
Please check box or fill in blank as needed.

<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	<input type="checkbox"/> TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	<input type="checkbox"/> VOCs (8260)	<input type="checkbox"/> Oxygenates (8260)	<input type="checkbox"/> Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	<input type="checkbox"/> SVOCs (8270)	<input type="checkbox"/> Pesticides (8081)	<input type="checkbox"/> PCBs (8082)	<input type="checkbox"/> PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	<input type="checkbox"/> T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	<input type="checkbox"/> Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	<input type="checkbox"/> OCPS (8081A)	<input type="checkbox"/> TOC (9060)
--	--	--	--------------------------------------	--	---	---------------------------------------	--	--------------------------------------	---	---	--	---------------------------------------	-------------------------------------

Received by: (Signature/Affiliation) *Sam Haber* Date: 09/11/14 Time: 1530  
Received by: (Signature/Affiliation) *Sam Haber* Date: 9/11/14 Time: 1855  
Received by: (Signature/Affiliation) *Sam Haber* Date: 9/11/14 Time: 1855





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CHAIN-OF-CUSTODY RECORD

DATE: 7/11/14  
PAGE: 3 OF 3

WO NO. / LAB USE ONLY  
14-09 095  
0945  
9/11/14

LABORATORY CLIENT: MRS

ADDRESS: 4225 Executive Square #1600 STATE: CA ZIP: 92037

CITY: La Jolla

TEL: 858-812-9292 E-MAIL: Massad.kavimi@us.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

EDD:  COELT EDF  OTHER

SPECIAL INSTRUCTIONS: see notes from pages 1 & 2

CLIENT PROJECT NAME / NO.: San Diego Unified High School District

PROJECT CONTACT: Massad Kavimi

GLOBAL ID: \_\_\_\_\_ LOG CODE: \_\_\_\_\_

SAMPLER(S): (PRINT) Sam Haber

LAB CONTACT OR QUOTE NO.: \_\_\_\_\_

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) <input type="checkbox"/> GRO	TPH (d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	TOC (9060)	
		DATE	TIME																				
83	B-8-10	9/11/14	1507	Soil	1 jar																		
84	B-8-15	7/11/14	1515	Soil	11																		
85	B-8-18.5	9/11/14	1518	Soil	1 jar																		

Received by: (Signature/Affiliation) [Signature] Date: 09/11/14 Time: 15:30

Received by: (Signature/Affiliation) [Signature] Date: 9/11/14 Time: 18:55

Received by: (Signature/Affiliation) [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

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CHAIN-OF-CUSTODY RECORD

DATE: 9/12/14  
PAGE: 1 OF 5

W/O NO. / LAB USE ONLY  
14-09-0951

LABORATORY CLIENT: YRS Corporation  
ADDRESS: 4225 Executive Square Dr #1600  
CITY: La Jolla STATE: CA ZIP: 92037  
TEL: 858-812-7122 E-MAIL: Massand.Karini@yrs.com  
TURNAROUND TIME (Rush surcharges may apply to any TAT not STANDARD):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD  
EOD:  
 COELT EDF  OTHER

CLIENT PROJECT NAME / NO.: San Dieguito Union High School District  
PROJECT CONTACT: Massand Karini  
GLOBAL ID:  
LOG CODE:  
P.O. NO.: 27654194.02000  
LAB CONTACT OR QUOTE NO.:  
SAMPLER(S): (PRINT) S. Hhaber

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	OCs (8081A)	TOC (9060)		
		DATE	TIME																							
86	B-3-0.5	9/11/14	1558	Soil	1 Jar																					
87	B-3-2.5		1607																							
88	B-3-5		1611																							
89	B-3-10		1620																							
90	B-3-15		1630																							
91	B-3-20		1645																							
92	B-3-25		1651																							
93	B-3-30		1701																							
94	B-3-36	9/11/14	1715																							
95	B-5-0.5	9/12/14	0743	Soil	1 Jar																					

Relinquished by: (Signature) [Signature]  
Relinquished by: (Signature) [Signature]  
Relinquished by: (Signature) [Signature]

Received by: (Signature/Affiliation) [Signature]  
Received by: (Signature/Affiliation) [Signature]  
Received by: (Signature/Affiliation) [Signature]

Date: 09/12/14  
Date: 09/12/14  
Date: 09/12/14

Time: 1705  
Time: 1940  
Time:

ITEM 19





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LABORATORY CLIENT: WPS Corporation  
 ADDRESS: 4225 Executive Square #1800  
 CITY: La Jolla STATE: CA ZIP: 92037  
 TEL: 658-812-9292 E-MAIL: Massaud.Karini@wps.com  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD  
 EDD:  COELT EDF  OTHER

See page 1

SPECIAL INSTRUCTIONS:

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
96	B-5-2.5	9/12/14	0756	Soil	1 Jar
97	B-5-5		0801		
98	B-5-10		0805		
99	B-5-15		0808		
100	B-5-20		0818		
101	B-5-25		0822		
102	B-5-30		0840		
103	B-5-35		0855		
104	B-1-0.5		0939		
105	B-1-2.5		0958	Soil	15ar

Unpreserved	Received by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Received by: (Signature/Affiliation)
Preserved			
Field Filtered			
<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO			
<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO			
TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44			
TPH			
BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>			
VOCs (8260)			
Oxygenates (8260)			
Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core			
SVOCs (8270)			
Pesticides (8081)			
PCBs (8082)			
PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM			
T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X			
Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6			

REQUESTED ANALYSES

Please check box or fill in blank as needed.

CLIENT PROJECT NAME / NO.: San Dieguito Union High School District  
 PROJECT CONTACT: Massaud Karini  
 GLOBAL ID: \_\_\_\_\_ LOG CODE: \_\_\_\_\_  
 P.O. NO.: 27654194.02000  
 LAB CONTACT OR QUOTE NO.: \_\_\_\_\_  
 SAMPLER(S): (PRINT) S. Haber

WO NO. / LAB USE ONLY: 14-09-0957  
 DATE: 9/12/14  
 PAGE: 2 OF 5

Relinquished by: (Signature) [Signature]  
 Relinquished by: (Signature) [Signature]  
 Relinquished by: (Signature) [Signature]

Date: 09/12/14 Time: 1705  
 Date: 9/12/14 Time: 1940  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

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LABORATORY CLIENT:

ADDRESS: UPS corporate  
4225 Executive Square Dr #1600  
CITY: La Jolla STATE: CA ZIP: 92037

TEL: 658-812-9292 E-MAIL: Massoud.Karimi@URS.com

TURNAROUND TIME (rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY  24 HR  48 HR  5 DAYS  STANDARD

EOB:

COELT EDF  OTHER

SPECIAL INSTRUCTIONS:

See page 1

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

DATE: 9/12/14  
PAGE: 3 OF 5

14-09-095

CLIENT PROJECT NAME / NO.:

San Diego Union High School District 27654194.02000

PROJECT CONTACT:

Massoud Karimi

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

Sam Haber

REQUESTED ANALYSES

Please check box or fill in blank as needed.

Field Filtered	TPH (g) □ GRO	TPH □ C6-C36 □ C6-C44	TPH	BTEX / MTBE □ 8260 □	VOCs (8260)	Oxygenates (8260)	Prep (5035) □ En Core □ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs □ 8270 □ 8270 SIM	T22 Metals □ 6010/747X □ 6020/747X	Cr(VI) □ 7196 □ 7199 □ 218.6
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LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
106	B-1-5	9/12/14	1003	Soil	1 Jar
107	B-1-10		1009		
108	B-1-15		1030		
109	B-1-20		1040		
110	B-1-25		1045		
111	B-1-30		1058		
112	B-1-35		1106		
113	B-1-40		1118		
114	B-1-45		1135		
115	B-1-46	9/12/14	1200	Soil	1 Jar

Received by: (Signature/Affiliation) Sam Haber Date: 09/12/14 Time: 1705

Received by: (Signature/Affiliation) EG Date: 9/12/14 Time: 1940

Received by: (Signature/Affiliation) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



Calscience

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For courier service / sample drop off information, contact us26\_sales@eurofins.com or call us.

LABORATORY CLIENT:

UFS Corporation

ADDRESS: 4225 Executive Square # 1600

CITY: La Jolla STATE: ZIP: 92037

TEL: 858-812-9292 E-MAIL: Massoud.Karimi@ufs.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

EO:

COELTEDF  OTHER

SPECIAL INSTRUCTIONS:

See page 1

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

DATE: 9/12/14  
PAGE: 9 OF 5

14-09-0951

CLIENT PROJECT NAME / NO.:

San Diego's Union High School District

PROJECT CONTACT:

Massoud Karimi

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

Sam Haber

P.O. NO.:

27654194.02000

LAB CONTACT OR QUOTE NO.:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

TPH	TPH (g) □ GRO	TPH (g) □ DRO	TPH □ C6-C36 □ C6-C44	TPH	BTEX / MTBE □ 8260 □	VOCs (8260)	Oxygenates (8260)	Prep (5035) □ En Core □ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs □ 8270 □ 8270 SIM	T22 Metals □ 6010/747X □ 6020/747X	Cr(VI) □ 7196 □ 7199 □ 218.6
-----	---------------	---------------	-----------------------	-----	----------------------	-------------	-------------------	------------------------------------	--------------	-------------------	-------------	------------------------	------------------------------------	------------------------------

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
116	B-1-53	9/12/14	1205	Soil	1 Jar
117	B-2-0.5		1345		
118	B-2-5		1400		
119	B-2-10		1405		
120	B-2-15		1410		
121	B-2-20		1412		
122	B-2-25		1420		
123	B-2-28.5	9/12/14	1430		
124	B-4-0.5	9/12/14	1456		
125	B-4-2.5	9/12/14	1507	Soil	1 Jar

Received by: (Signature/Affiliation)	Signature	Date: 09/12/14	Time: 1705
Received by: (Signature/Affiliation)	Signature	Date: 9/12/14	Time: 1940
Received by: (Signature/Affiliation)	Signature	Date:	Time:

ITEM 19



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Table 1 - Summary of Soil Sampling, Methane Screening and Laboratory Analysis Program  
La Costa Valley Site, Carlsbad, California

Boring ID*	Depth (feet bgs)	Discrete Samples	Composite for OCPs (EPA 8081)	Composite DUP	Discrete for Arsenic (EPA 6010)	Discrete DUP
B-1, B-2, and B-17	0.5	3	C1	--	D1	D1 DUP
	2.5	3	C2	--	--	--
B-3, B-9, B-10, and B-11	0.5	4	C3	--	--	--
	2.5	4	C4	--	D2	--
B-6, B-12, B-13, and B-14	0.5	4	C5	--	D3	--
	2.5	4	C6	--	--	--
B-7, B-15, B-16, and B-25	0.5	4	C7	--	--	--
	2.5	4	C8	--	D4	--
B-4, B-5, B-26, and B-27	0.5	4	C9	C9 DUP	--	--
	2.5	4	C10	--	--	--
B-18, B-19, and B-20	0.5	3	C11	--	D5	--
	2.5	3	C12	--	--	--
B-21, B-22, B-23, and B-24	0.5	4	C13	--	--	--
	2.5	4	C14	--	D6	D6 DUP
B-8, B-28, B-29, and B-30	0.5	4	C15	--	D7	--
	2.5	4	C16	--	D8	--
B-31, B-35, B-36, and B-37	0.5	4	C17	--	D9	--
	2.5	4	C18	--	--	--
B-32, B-33, B-34, and B-38	0.5	4	C19	--	--	--
	2.5	4	C20	C20 DUP	D10	--
<b>Total Samples:</b>		76	20	2	10	2

**Notes:**

OCPs: Organochlorine Pesticides.

\*: Refer to Figure 5 for proposed boring locations

1) Equipment blanks will be collected at a frequency of one per day of field activities.

2) Methane screening will be performed using a direct reading instrument from deep borings B-1 through B-8 at 5-foot intervals and at cut/fill transition.

3) Representative soil samples will also be collected from deep borings B-1 thru B-8 at 5-foot intervals for Total Organic Carbon (EPA 9060) analysis if methane is detected at concentrations > 500 ppmv.





Calscience

WORK ORDER #: 14-09-09 ITEM 19

# SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: URS CORP

DATE: 09/11/14

**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.8 °C - 0.3 °C (CF) = 1.5 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter Checked by: 671

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Checked by: 671

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Checked by: 607

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input checked="" type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>CONTAINER TYPE:</b>			
Solid: <input type="checkbox"/> 4ozCGJ <input checked="" type="checkbox"/> 8ozCGJ <input type="checkbox"/> 16ozCGJ <input checked="" type="checkbox"/> Sleeve ( <u>R</u> ) <input type="checkbox"/> EnCores® <input type="checkbox"/> TerraCores® <input type="checkbox"/> _____			
Aqueous: <input type="checkbox"/> VOA <input type="checkbox"/> VOAh <input type="checkbox"/> VOAna <sub>2</sub> <input type="checkbox"/> 125AGB <input type="checkbox"/> 125AGBh <input type="checkbox"/> 125AGBp <input type="checkbox"/> 1AGB <input type="checkbox"/> 1AGBna <sub>2</sub> <input type="checkbox"/> 1AGBs			
<input type="checkbox"/> 500AGB <input type="checkbox"/> 500AGJ <input type="checkbox"/> 500AGJs <input type="checkbox"/> 250AGB <input type="checkbox"/> 250CGB <input type="checkbox"/> 250CGBs <input type="checkbox"/> 1PB <input type="checkbox"/> 1PBna <input type="checkbox"/> 500PB			
<input type="checkbox"/> 250PB <input type="checkbox"/> 250PBn <input type="checkbox"/> 125PB <input type="checkbox"/> 125PBz <sub>na</sub> <input type="checkbox"/> 100PJ <input type="checkbox"/> 100PJna <sub>2</sub> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____			
Air: <input type="checkbox"/> Tedlar® <input type="checkbox"/> Canister Other: <input type="checkbox"/> _____ Trip Blank Lot#: _____ Labeled/Checked by: <u>607</u>			
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: <u>862</u>			
Preservative: h: HC_ n: HNO <sub>3</sub> na <sub>2</sub> :Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> na: NaOH p: H <sub>3</sub> PO <sub>4</sub> s: H <sub>2</sub> SO <sub>4</sub> u: Ultra-pure z <sub>na</sub> : ZnAc <sub>2</sub> +NaOH f: Filtered Scanned by: <u>862</u>			

\*(-20) collection date per label is 9/11/14.



Calscience

WORK ORDER #: 14-09-09 31 ITEM 19

# SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: URS CORP

DATE: 09/11/14

**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.7 °C - 0.3 °C (CF) = 1.4 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 671

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Checked by: 671

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Checked by: 608

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (P)  EnCores®  TerraCores®  \_\_\_\_\_

Aqueous:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

250PB  250PBn  125PB  125PBz<sub>na</sub>  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 608

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 802

Preservative: h: HC\_ n: HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: 802

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Calscience

WORK ORDER #: 14-09-09-419

# SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS CORP

DATE: 09/11/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.7 °C - 0.3 °C (CF) = 1.4 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 671

## CUSTODY SEALS INTACT:

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A

Checked by: 671

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Checked by: 607

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Collection date/\*time, matrix, and/or # of containers logged in based on sample labels.

No analysis requested.  Not relinquished.  No date/time relinquished.

Sampler's name indicated on COC.....  Yes  No  N/A

Sample container label(s) consistent with COC.....  Yes  No  N/A

Sample container(s) intact and good condition.....  Yes  No  N/A

Proper containers and sufficient volume for analyses requested.....  Yes  No  N/A

Analyses received within holding time.....  Yes  No  N/A

Aqueous samples received within 15-minute holding time

pH  Residual Chlorine  Dissolved Sulfides  Dissolved Oxygen.....  Yes  No  N/A

Proper preservation noted on COC or sample container.....  Yes  No  N/A

Unpreserved vials received for Volatiles analysis

Volatile analysis container(s) free of headspace.....  Yes  No  N/A

Tedlar bag(s) free of condensation.....  Yes  No  N/A

## CONTAINER TYPE:

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Aqueous:  VOA  VOA<sub>h</sub>  VOA<sub>na2</sub>  125AGB  125AGB<sub>h</sub>  125AGB<sub>p</sub>  1AGB  1AGB<sub>na2</sub>  1AGB<sub>s</sub>

500AGB  500AGJ  500AGJ<sub>s</sub>  250AGB  250CGB  250CGB<sub>s</sub>  1PB  1PB<sub>na</sub>  500PB

250PB  250PB<sub>n</sub>  125PB  125PB<sub>znna</sub>  100PJ  100PJ<sub>na2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 607

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 778

Preservative: h: HC\_ n: HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure znna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: 778

\* collection date per label is 09/11/14. received 1 Jar



Calscience

WORK ORDER #: 14-09-09 E 19

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: URS CORP

DATE: 09/12/14

**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.7 °C - 0.3 °C (CF) = 1.4 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 671

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Checked by: 671

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Checked by: 681

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels. <input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Aqueous:  VOA  VOA<sub>h</sub>  VOA<sub>na2</sub>  125AGB  125AGB<sub>h</sub>  125AGB<sub>p</sub>  1AGB  1AGB<sub>na2</sub>  1AGB<sub>s</sub>

500AGB  500AGJ  500AGJ<sub>s</sub>  250AGB  250CGB  250CGB<sub>s</sub>  1PB  1PB<sub>na</sub>  500PB

250PB  250PB<sub>n</sub>  125PB  125PB<sub>z<sub>na</sub></sub>  100PJ  100PJ<sub>na2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 681

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 739

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: 757

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**Vikas Patel**

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**From:** Karimi, Massoud [massoud.karimi@urs.com]  
**Sent:** Friday, September 26, 2014 3:50 PM  
**To:** Vikas Patel  
**Cc:** Haber, Sam; Patel-Coleman, Kanan  
**Subject:** Request for additional arsenic analyses on rush 48 hr. TAT

**Importance:** High

Hi Vik,

I need total arsenic data (EPA 6010) on the following samples from the La Costa Valley site:

B-21 @ 0.5'	B-32 @ 0.5'
B-22 @ 0.5'	B-34 @ 0.5'
B-23 @ 0.5'	B-38 @ 0.5'
B-30 @ 2.5'	

Please confirm your receipt of this e-mail request and send us the preliminary results as soon as available.

R/  
Massoud

*Massoud Karimi, PG  
URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, California 92037  
Tel: (858) 812-2814 (direct)  
Fax: (858) 812-9293  
e-mail: [massoud.karimi@urs.com](mailto:massoud.karimi@urs.com)  
web link: [www.urscorp.com](http://www.urscorp.com)*

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Supplemental Report 1

The original report has been revised/corrected.



# WORK ORDER NUMBER: 14-09-10

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** URS Corporation

**Client Project Name:** San Dieguito Union High School District / 27654194.02000

**Attention:** Massoud Karimi  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

*Vikas Patel*

Approved for release on 11/13/2014 by:  
Vikas Patel  
Project Manager

ResultLink ▶

Email your PM ▶



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# Content

Client Project Name: San Dieguito Union High School District / 27654194.02000  
Work Order Number: 14-09-1077

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Work Order: 14-09-1077

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**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 09/12/14. They were assigned to Work Order 14-09-1077.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Hold Time:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Additional Comment:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: [http://www.calscience.com/PDF/New\\_York.pdf](http://www.calscience.com/PDF/New_York.pdf)

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**Contractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.





## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3010A Total  
Method: EPA 6010B  
Units: mg/L

Project: San Dieguito Union High School District /  
27654194.02000

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>EB1-Core Barrel</b>	<b>14-09-10 -1-B</b>	<b>09 11 14 1 :55</b>	<b>A eo</b>	<b>CP 00</b>	<b>09 15 14</b>	<b>09 0 14 1 :54</b>	<b>140915 A5</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	
<b>EB- an A er</b>	<b>14-09-10 - -B</b>	<b>09 11 14 1 :00</b>	<b>A eo</b>	<b>CP 00</b>	<b>09 15 14</b>	<b>09 0 14 1 :5</b>	<b>140915 A5</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	
<b>EB-Direct P</b>	<b>14-09-10 - -B</b>	<b>09 11 14 1 :0</b>	<b>A eo</b>	<b>CP 00</b>	<b>09 15 14</b>	<b>09 0 14 1 :5</b>	<b>140915 A5</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	
<b>EB -Core Barrel</b>	<b>14-09-10 -4-A</b>	<b>09 1 14 1 :00</b>	<b>A eo</b>	<b>CP 00</b>	<b>09 1 14</b>	<b>09 0 14 1 :5</b>	<b>14091 A4</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	
<b>Met o Blan</b>	<b>09 -01-00 -144 4 N A</b>		<b>A eo</b>	<b>CP 00</b>	<b>09 15 14</b>	<b>09 1 14 19:0</b>	<b>140915 A5</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	
<b>Met o Blan</b>	<b>09 -01-00 -144 9 N A</b>		<b>A eo</b>	<b>CP 00</b>	<b>09 1 14</b>	<b>09 1 14 1 :0</b>	<b>14091 A4</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: San Dieguito Union High School District /  
27654194.02000

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>EB1-Core Barrel</b>	<b>14-09-10 -1-C</b>	<b>09 11 14 1 :55</b>	<b>A eo</b>	<b>C 44</b>	<b>09 1 14</b>	<b>09 19 14 0 :0</b>	<b>14091 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>	
Aldrin		ND		0.095	1.00		
Alpha Chlordane		ND		0.095	1.00		
Alpha-BHC		ND		0.095	1.00		
Beta-BHC		ND		0.095	1.00		
Chlordane		ND		0.95	1.00		
4,4'-DDD		ND		0.095	1.00		
4,4'-DDE		ND		0.095	1.00		
4,4'-DDT		ND		0.095	1.00		
Delta-BHC		ND		0.095	1.00		
Dieldrin		ND		0.095	1.00		
Endosulfan I		ND		0.095	1.00		
Endosulfan II		ND		0.095	1.00		
Endosulfan Sulfate		ND		0.095	1.00		
Endrin		ND		0.095	1.00		
Endrin Aldehyde		ND		0.095	1.00		
Endrin Ketone		ND		0.095	1.00		
Gamma Chlordane		ND		0.095	1.00		
Gamma-BHC		ND		0.095	1.00		
Heptachlor		ND		0.095	1.00		
Heptachlor Epoxide		ND		0.095	1.00		
Methoxychlor		ND		0.095	1.00		
Toxaphene		ND		1.9	1.00		
<u>Surrogate</u>		<u>Rec. (%)</u>		<u>Control Limits</u>	<u>Qualifiers</u>		
Decachlorobiphenyl		45		50-135	2,6		
2,4,5,6-Tetrachloro-m-Xylene		44		50-135	2,6		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: San Dieguito Union High School District /  
27654194.02000

Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB- an A er	14-09-10 - -C	09 11 14 1 :00	A eo	C 44	09 1 14	09 19 14 0 :1	14091 0
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Aldrin		ND		0.095	1.00		
Alpha Chlordane		ND		0.095	1.00		
Alpha-BHC		ND		0.095	1.00		
Beta-BHC		ND		0.095	1.00		
Chlordane		ND		0.95	1.00		
4,4'-DDD		ND		0.095	1.00		
4,4'-DDE		ND		0.095	1.00		
4,4'-DDT		ND		0.095	1.00		
Delta-BHC		ND		0.095	1.00		
Dieldrin		ND		0.095	1.00		
Endosulfan I		ND		0.095	1.00		
Endosulfan II		ND		0.095	1.00		
Endosulfan Sulfate		ND		0.095	1.00		
Endrin		ND		0.095	1.00		
Endrin Aldehyde		ND		0.095	1.00		
Endrin Ketone		ND		0.095	1.00		
Gamma Chlordane		ND		0.095	1.00		
Gamma-BHC		ND		0.095	1.00		
Heptachlor		ND		0.095	1.00		
Heptachlor Epoxide		ND		0.095	1.00		
Methoxychlor		ND		0.095	1.00		
Toxaphene		ND		1.9	1.00		
<u>Surrogate</u>		<u>Rec. (%)</u>		<u>Control Limits</u>		<u>Qualifiers</u>	
Decachlorobiphenyl		115		50-135			
2,4,5,6-Tetrachloro-m-Xylene		113		50-135			

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: San Dieguito Union High School District /  
27654194.02000

Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>EB-Direct P</b>	<b>14-09-10 - -C</b>	<b>09 11 14 1 :0</b>	<b>A eo</b>	<b>C 44</b>	<b>09 1 14</b>	<b>09 19 14 0 :</b>	<b>14091 0</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	0.098	1.00	
Alpha Chlordane	ND	0.098	1.00	
Alpha-BHC	ND	0.098	1.00	
Beta-BHC	ND	0.098	1.00	
Chlordane	ND	0.98	1.00	
4,4'-DDD	ND	0.098	1.00	
4,4'-DDE	ND	0.098	1.00	
4,4'-DDT	ND	0.098	1.00	
Delta-BHC	ND	0.098	1.00	
Dieldrin	ND	0.098	1.00	
Endosulfan I	ND	0.098	1.00	
Endosulfan II	ND	0.098	1.00	
Endosulfan Sulfate	ND	0.098	1.00	
Endrin	ND	0.098	1.00	
Endrin Aldehyde	ND	0.098	1.00	
Endrin Ketone	ND	0.098	1.00	
Gamma Chlordane	ND	0.098	1.00	
Gamma-BHC	ND	0.098	1.00	
Heptachlor	ND	0.098	1.00	
Heptachlor Epoxide	ND	0.098	1.00	
Methoxychlor	ND	0.098	1.00	
Toxaphene	ND	2.0	1.00	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>	
Decachlorobiphenyl	78	50-135		
2,4,5,6-Tetrachloro-m-Xylene	84	50-135		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: San Dieguito Union High School District /  
27654194.02000

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>EB -Core Barrel</b>	<b>14-09-10 -4-C</b>	<b>09 1 14 1 :00</b>	<b>A eo</b>	<b>C 44</b>	<b>09 1 14</b>	<b>09 19 14 0 :4</b>	<b>14091 0</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Aldrin		ND		0.095	1.00		
Alpha Chlordane		ND		0.095	1.00		
Alpha-BHC		ND		0.095	1.00		
Beta-BHC		ND		0.095	1.00		
Chlordane		ND		0.95	1.00		
4,4'-DDD		ND		0.095	1.00		
4,4'-DDE		ND		0.095	1.00		
4,4'-DDT		ND		0.095	1.00		
Delta-BHC		ND		0.095	1.00		
Dieldrin		ND		0.095	1.00		
Endosulfan I		ND		0.095	1.00		
Endosulfan II		ND		0.095	1.00		
Endosulfan Sulfate		ND		0.095	1.00		
Endrin		ND		0.095	1.00		
Endrin Aldehyde		ND		0.095	1.00		
Endrin Ketone		ND		0.095	1.00		
Gamma Chlordane		ND		0.095	1.00		
Gamma-BHC		ND		0.095	1.00		
Heptachlor		ND		0.095	1.00		
Heptachlor Epoxide		ND		0.095	1.00		
Methoxychlor		ND		0.095	1.00		
Toxaphene		ND		1.9	1.00		
<u>Surrogate</u>		<u>Rec. (%)</u>		<u>Control Limits</u>			<u>Qualifiers</u>
Decachlorobiphenyl		78		50-135			
2,4,5,6-Tetrachloro-m-Xylene		76		50-135			

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: San Dieguito Union High School District /  
27654194.02000

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Met o Blan	099-1 -5 9- 5	N A	A eo	C 44	09 1 14	09 19 14 0 : 0	14091 0

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	0.10	1.00	
Alpha Chlordane	ND	0.10	1.00	
Alpha-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
4,4'-DDD	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
Endrin Ketone	ND	0.10	1.00	
Gamma Chlordane	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Toxaphene	ND	2.0	1.00	
Surrogate	Rec. (%)	Control Limits	Qualifiers	
Decachlorobiphenyl	91	50-135		
2,4,5,6-Tetrachloro-m-Xylene	92	50-135		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3005A Filt.  
Method: EPA 6010B

Project: San Dieguito Union High School District /  
27654194.02000

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD	Batch Number
14-09-1 55-	Sample	A eo	CP 00	09 1 14	09 14 15:55	14091	A4
14-09-1 55-	Matrix Duplicate	A eo	CP 00	09 1 14	09 14 15:5	14091	A4
14-09-1 55-	Matrix Duplicate	A eo	CP 00	09 1 14	09 14 15:5	14091	A4

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.5000	0.5758	115	0.5780	116	80-140	0	0-11	



RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: San Dieguito Union High School District /  
27654194.02000

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-091 -1	Sample	A eo	CP 00	09 15 14	09 14 19:44	140915 A5
14-09-091 -1	Matrix Duplicate	A eo	CP 00	09 15 14	09 14 19:4	140915 A5
14-09-091 -1	Matrix Duplicate	A eo	CP 00	09 15 14	09 14 19:4	140915 A5

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.5000	0.5925	118	0.5885	118	80-140	1	0-11	

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RPD: Relative Percent Difference. CL: Control Limits





Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: San Dieguito Union High School District /  
27654194.02000

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -144 4	C	A eo	CP 00	09 15 14	09 1 14 19:05	140915 A5
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		0.5000	0.5139	103	80-120	

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RPD: Relative Percent Difference. CL: Control Limits



Quality Control - C

URS Corporation	Date Received:	09/12/14
4225 Executive Square, Suite 1600	Work Order:	14-09-1077
La Jolla, CA 92037-1487	Preparation:	EPA 3010A Total
	Method:	EPA 6010B
Project: San Dieguito Union High School District / 27654194.02000		Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -144 9	C	A eo	CP 00	09 1 14	09 1 14 1 :04	14091 A4
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		0.5000	0.5081	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - C C D

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 09/12/14  
Work Order: 14-09-1077  
Preparation: EPA 3510C  
Method: EPA 8081A

Project: San Dieguito Union High School District /  
27654194.02000

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
099-1 -5 9- 5	C	A eo	C 44	09 1 14	09 19 14 0 : 4	14091 0				
099-1 -5 9- 5	C D	A eo	C 44	09 1 14	09 19 14 0 :49	14091 0				
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Aldrin	0.5000	0.4804	96	0.4396	88	50-135	36-149	9	0-25	
Alpha Chlordane	0.5000	0.4964	99	0.4496	90	50-135	36-149	10	0-25	
Alpha-BHC	0.5000	0.5069	101	0.4679	94	50-135	36-149	8	0-25	
Beta-BHC	0.5000	0.4820	96	0.4411	88	50-135	36-149	9	0-25	
4,4'-DDD	0.5000	0.4833	97	0.4249	85	50-135	36-149	13	0-25	
4,4'-DDE	0.5000	0.4979	100	0.4488	90	50-135	36-149	10	0-25	
4,4'-DDT	0.5000	0.5082	102	0.4531	91	50-135	36-149	11	0-25	
Delta-BHC	0.5000	0.3602	72	0.3731	75	50-135	36-149	4	0-25	
Dieldrin	0.5000	0.5131	103	0.4657	93	50-135	36-149	10	0-25	
Endosulfan I	0.5000	0.4997	100	0.4539	91	50-135	36-149	10	0-25	
Endosulfan II	0.5000	0.4925	99	0.4571	91	50-135	36-149	7	0-25	
Endosulfan Sulfate	0.5000	0.4700	94	0.4280	86	50-135	36-149	9	0-25	
Endrin	0.5000	0.5311	106	0.4758	95	50-135	36-149	11	0-25	
Endrin Aldehyde	0.5000	0.4269	85	0.3845	77	50-135	36-149	10	0-25	
Gamma Chlordane	0.5000	0.5023	100	0.4527	91	50-135	36-149	10	0-25	
Gamma-BHC	0.5000	0.5320	106	0.4903	98	50-135	36-149	8	0-25	
Heptachlor	0.5000	0.5231	105	0.4756	95	50-135	36-149	9	0-25	
Heptachlor Epoxide	0.5000	0.4937	99	0.4414	88	50-135	36-149	11	0-25	
Methoxychlor	0.5000	0.5009	100	0.4568	91	50-135	36-149	9	0-25	

Total number of LCS compounds: 19

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



# Sample Analysis Summary Report

Work Order: 14-09-1077

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Concentration</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8081A	EPA 3510C	842	GC 44	1

  
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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



Calscience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (714) 895-5494  
For courier service / sample drop off information, contact us26\_sales@eurofins.com or call us.

LABORATORY CLIENT:

URS Corporation

ADDRESS: 4225 Executive Square Dr, Suite 1600

CITY: La Jolla STATE: CA ZIP: 92037

TEL: 858-812-9292 E-MAIL: mussard.karini@urs.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

EDD:

COELT EDF  OTHER

SPECIAL INSTRUCTIONS:

WO NO. / LAB USE ONLY

14-09-1077

CHAIN-OF-CUSTODY RECORD

DATE: 9/12/14 PAGE: 1 OF 1

CLIENT PROJECT NAME / NO.:

San Diego State Univ High School District

P.O. NO.:

27654194.02060

PROJECT CONTACT:

Mussard Karini

LAB CONTACT OR QUOTE NO.:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

Sam Haber & A. Foster

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filled	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	OCPS (8081A)	Arsenic (6010B)		
		DATE	TIME																						
1	EB1 - Core Barrel	9/11/14	1755	Water	3	1	2 bottles																		
2	EB - Hand Auger	9/11/14	1700	Water	3	1	2																		
3	EB - Direct Push	9/11/14	1708	Water	3	1	2																		

Received by: (Signature)	Received by: (Signature/Affiliation)	Date: 09/12/14	Time: 17:05
Received by: (Signature)	Received by: (Signature/Affiliation)	Date: 9/14/14	Time: 1940
Received by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

ITEM 19





Calscience

WORK ORDER #: 14-09-     TEAM 79

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: URS CORP

DATE: 09/12/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.7 °C - 0.3 °C (CF) = 1.4 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 671

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A

Checked by: 671

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Checked by: 802

**SAMPLE CONDITION:**

Yes No N/A

Chain-Of-Custody (COC) document(s) received with samples.....

COC document(s) received complete.....

Collection date/time, matrix, and/or # of containers logged in based on sample labels.

No analysis requested.  Not relinquished.  No date/time relinquished.

Sampler's name indicated on COC.....

Sample container label(s) consistent with COC.....

Sample container(s) intact and good condition.....

Proper containers and sufficient volume for analyses requested.....

Analyses received within holding time.....

Aqueous samples received within 15-minute holding time

pH  Residual Chlorine  Dissolved Sulfides  Dissolved Oxygen.....

Proper preservation noted on COC or sample container.....

Unpreserved vials received for Volatiles analysis

Volatile analysis container(s) free of headspace.....

Tedlar bag(s) free of condensation.....

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Aqueous:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

250PB  250PBn  125PB  125PBzanna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 862

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 778

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure znna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: 778

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Calscience

WORK ORDER #: 14-09-1077

ITEM 19

# SAMPLE ANOMALY FORM

**SAMPLES - CONTAINERS & LABELS:**

**Comments:**

- Sample(s) NOT RECEIVED but listed on COC
- Sample(s) received but NOT LISTED on COC
- Holding time expired – list sample ID(s) and test
- Insufficient quantities for analysis – list test
- Improper container(s) used – list test
- Improper preservative used – list test
- No preservative noted on COC or label – list test & notify lab
- Sample labels illegible – note test/container type
- Sample label(s) do not match COC – Note in comments
  - Sample ID
  - Date and/or Time Collected
  - Project Information
  - # of Container(s)
  - Analysis
- Sample container(s) compromised – Note in comments
  - Water present in sample container
  - Broken
- Sample container(s) not labeled
- Air sample container(s) compromised – Note in comments
  - Flat
  - Very low in volume
  - Leaking (Not transferred - duplicate bag submitted)
  - Leaking (transferred into Calscience Tedlar® Bag\*)
  - Leaking (transferred into Client's Tedlar® Bag\*)
- Other: \_\_\_\_\_

(-4) Received 3 containers  
 1- 1 liter amber glass bottle unpreserved  
 1- 250 plastic bottle w/HNO<sub>3</sub>  
 1- 250 clear glass bottle w/H<sub>2</sub>O<sub>4</sub>  
 (labeled as:  
 ER2 - Core Barrel  
 9/12/14 17:00

**HEADSPACE – Containers with Bubble > 6mm or ¼ inch:**

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: \_\_\_\_\_

\*Transferred at Client's request.

Initial / Date: 862 09/13/14

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**Vikas Patel**

---

**From:** Haber, Sam [sam.haber@urs.com]  
**Sent:** Tuesday, September 16, 2014 4:43 PM  
**To:** Vikas Patel; Foster, Keith  
**Cc:** Karimi, Massoud  
**Subject:** RE:

Hi Vik,

Yes please analyze that sample. Sorry for not adding it to the COC.

Regards,

Sam Haber, PG  
Senior Staff Geologist

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037  
Tel: 858.812.9292  
Cell: 619.204.8953  
Fax: 858.812.9293

---

**From:** Vikas Patel [<mailto:VikasPatel@eurofinsUS.com>]  
**Sent:** Tuesday, September 16, 2014 4:41 PM  
**To:** Foster, Keith  
**Cc:** Haber, Sam; Karimi, Massoud; Vikas Patel  
**Subject:**

Keith – We received container for a water sample not listed on the Chain of Custody (EB2-Core Barrel – 9/12/14 @ 1700). Do we need to analyze this sample?

Regards,

Vik Patel  
Project Manager

Eurofins Calscience, Inc  
7440 Lincoln Way  
Garden Grove, CA 92841-1427  
USA

Phone +1 714 895 5494  
Fax +1 714 894 7501

**Please note new e-mail address below, please update your records. Thank you.**

Email: [vikaspatel@eurofinsUS.com](mailto:vikaspatel@eurofinsUS.com)  
Website: [www.calscience.com](http://www.calscience.com)

The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete the material from any computer. Email transmission cannot be guaranteed to be secure or error free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete. The sender therefore is in no way liable for any errors or omissions



**WORK ORDER NUMBER: 14-10-1 9**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For**

**Client:** URS Corporation

**Client Project Name:** San Dieguito Union High School District / 27654194.02000

**Attention:** Massoud Karimi  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

*Vikas Patel*

Approved for release on 10/22/2014 by:  
Vikas Patel  
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



# Content

Client Project Name: San Dieguito Union High School District / 27654194.02000  
Work Order Number: 14-10-1693

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4	Quality Control Sample Data. . . . .	6
	4.1 MS/MSD. . . . .	6
	4.2 LCS/LCSD. . . . .	7
5	Sample Analysis Summary. . . . .	8
6	Glossary of Terms and Qualifiers. . . . .	9
7	Chain-of-Custody/Sample Receipt Form. . . . .	10

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Work Order: 14-10-1693

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**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 10/21/14. They were assigned to Work Order 14-10-1693.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Hold Time:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Additional Comment:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: [http://www.calscience.com/PDF/New\\_York.pdf](http://www.calscience.com/PDF/New_York.pdf)

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**Contractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Detection Summary

Client: URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Work Order: 14-10-1693  
Project Name: San Dieguito Union High School District /  
27654194.02000  
Received: 10/21/14

Attn: Massoud Karimi

Page 1 of 1

### Client Sample D

Analyte	Result	Qualifier	R	Unit	Method	Reference
B-38-3.5 (14-10-1693-1) Arsenic	1.95		0.754	mg/kg	EPA 6010B	EPA 3050B
B-33-3.5 (14-10-1693-3) Arsenic	6.47		0.781	mg/kg	EPA 6010B	EPA 3050B
B-22-3.5 (14-10-1693-5) Arsenic	6.38		0.728	mg/kg	EPA 6010B	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 10/21/14  
Work Order: 14-10-1693  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: San Dieguito Union High School District /  
27654194.02000

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B- - 5	14-10-1 9 -1-A	10 1 14 09:1	oli	CP 00	10 14	10 14 1 : 1	1410 01
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		1.95		0.754		1.01	
B- - 5	14-10-1 9 - -A	10 1 14 1 :	oli	CP 00	10 14	10 14 1 :	1410 01
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		6.47		0.781		1.04	
B- - 5	14-10-1 9 -5-A	10 1 14 15:01	oli	CP 00	10 14	10 14 1 :	1410 01
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		6.38		0.728		0.971	
Met o Blan	09 -01-00 -195	N A	oli	CP 00	10 14	10 14 1 :5	1410 01
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.750		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 10/21/14  
Work Order: 14-10-1693  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: San Dieguito Union High School District /  
27654194.02000

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD	Batch Number
14-10-1 1-1	Sample	oli	CP 00	10 14	10 14 1 :5	1410	01
14-10-1 1-1	Matrix Duplicate	oli	CP 00	10 14	10 14 1 :59	1410	01
14-10-1 1-1	Matrix Duplicate	oli	CP 00	10 14	10 14 1 :00	1410	01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	6.316	25.00	30.28	96	31.82	102	75-125	5	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 10/21/14  
Work Order: 14-10-1693  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: San Dieguito Union High School District /  
27654194.02000

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -195	C	oli	CP 00	10 14	10 14 1 :5	1410 01
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		25.00	23.95	96	80-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits





# Sample Analysis Summary Report

Work Order: 14-10-1693

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<u>Method</u>	<u>Extraction</u>	<u>Comment</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	469	ICP 7300	1

  
Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





Calscience

WORK ORDER #: 14-10-1693

# SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS CORP

DATE: 10/21/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature 1.9 °C - 0.2 °C (CF) = 1.7 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 671

## CUSTODY SEALS INTACT:

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A

Checked by: 671

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Checked by: 607

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Collection date/time, matrix, and/or # of containers logged in based on sample labels.

No analysis requested.  Not relinquished.  No date/time relinquished.

Sampler's name indicated on COC.....

Sample container label(s) consistent with COC.....

Sample container(s) intact and good condition.....

Proper containers and sufficient volume for analyses requested.....

Analyses received within holding time.....

Aqueous samples received within 15-minute holding time

pH  Residual Chlorine  Dissolved Sulfides  Dissolved Oxygen.....

Proper preservation noted on COC or sample container.....

Unpreserved vials received for Volatiles analysis

Volatile analysis container(s) free of headspace.....

Tedlar bag(s) free of condensation.....

## CONTAINER TYPE:

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (P)  EnCores®  TerraCores®  \_\_\_\_\_

Aqueous:  VOA  VOA<sub>h</sub>  VOA<sub>na2</sub>  125AGB  125AGB<sub>h</sub>  125AGB<sub>p</sub>  1AGB  1AGB<sub>na2</sub>  1AGB<sub>s</sub>

500AGB  500AGJ  500AGJ<sub>s</sub>  250AGB  250CGB  250CGB<sub>s</sub>  1PB  1PB<sub>na</sub>  500PB

250PB  250PB<sub>n</sub>  125PB  125PB<sub>z<sub>na</sub></sub>  100PJ  100PJ<sub>na2</sub>  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 607

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 671

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: 671

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Supplemental Report 1

The original report has been revised/corrected.



**WORK ORDER NUMBER: 14-10-1 0**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For**

**Client:** URS Corporation

**Client Project Name:** San Dieguito Union High School District / 27654194.02000

**Attention:** Massoud Karimi  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

*Vikas Patel*

Approved for release on 11/13/2014 by:  
Vikas Patel  
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



# Content

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Client Project Name: San Dieguito Union High School District / 27654194.02000  
Work Order Number: 14-10-1703

1	Work Order Narrative. . . . .	3
2	Client Sample Data. . . . .	4
	2.1 EPA 6010B ICP Metals (Aqueous). . . . .	4
3	Quality Control Sample Data. . . . .	5
	3.1 MS/MSD. . . . .	5
	3.2 LCS/LCSD. . . . .	6
4	Sample Analysis Summary. . . . .	7
5	Glossary of Terms and Qualifiers. . . . .	8
6	Chain-of-Custody/Sample Receipt Form. . . . .	9

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Work Order: 14-10-1703

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**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 10/21/14. They were assigned to Work Order 14-10-1703.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Hold Time:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq$  15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Additional Comment:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: [http://www.calscience.com/PDF/New\\_York.pdf](http://www.calscience.com/PDF/New_York.pdf)

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**Contractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 10/21/14  
Work Order: 14-10-1703  
Preparation: EPA 3010A Total  
Method: EPA 6010B  
Units: mg/L

Project: San Dieguito Union High School District /  
27654194.02000

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
E ipment- an A er	14-10-1 0 -1-A	10 1 14 1 :15	A eo	CP 00	10 14	10 14 11:4	1410 A4
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	
E ipment-Direct P	14-10-1 0 - -A	10 1 14 1 : 0	A eo	CP 00	10 14	10 14 11:4	1410 A4
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	
Met o Blan	09 -01-00 -145 4 N A		A eo	CP 00	10 14	10 14 19: 1	1410 A4
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		0.0100		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





Quality Control - Duplicate

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 10/21/14  
Work Order: 14-10-1703  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: San Dieguito Union High School District /  
27654194.02000

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD	Batch Number
14-10-1 1-1	Sample	A eo	CP 00	10 14	10 14 11:10	1410	A4
14-10-1 1-1	Matrix Duplicate	A eo	CP 00	10 14	10 14 11:1	1410	A4
14-10-1 1-1	Matrix Duplicate	A eo	CP 00	10 14	10 14 11:1	1410	A4

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.5000	0.6030	121	0.5937	119	80-140	2	0-11	



RPD: Relative Percent Difference. CL: Control Limits



Quality Control - C

URS Corporation  
4225 Executive Square, Suite 1600  
La Jolla, CA 92037-1487

Date Received: 10/21/14  
Work Order: 14-10-1703  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: San Dieguito Union High School District /  
27654194.02000

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
09 -01-00 -145 4	C	A eo	CP 00	10 14	10 14 19: 5 1410	A4
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		0.5000	0.5272	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits



# Sample Analysis Summary Report

Work Order: 14-10-1703

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Concentration</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3010A Total	469	ICP 7300	1

  
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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





Calscience

WORK ORDER #: 14-10-1719

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: URS CORP

DATE: 10/21/14

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.9 °C - 0.2 °C (CF) = 1.7 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Checked by: 671

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Checked by: 671

Checked by: 607

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Aqueous:  VOA  VOA<sub>h</sub>  VOA<sub>na2</sub>  125AGB  125AGB<sub>h</sub>  125AGB<sub>p</sub>  1AGB  1AGB<sub>na2</sub>  1AGB<sub>s</sub>

500AGB  500AGJ  500AGJ<sub>s</sub>  250AGB  250CGB  250CGB<sub>s</sub>  1PB  1PB<sub>na</sub>  500PB

250PB  250PB<sub>n</sub>  125PB  125PB<sub>znna</sub>  100PJ  100PJ<sub>na2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 607

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 739

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure znna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: 739

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# APPENDIX F

## Data Validation Memorandum

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## Data Validation Memorandum

2020 East First Street  
Santa Ana, CA 92705  
Telephone - (714) 835-6886

**TO:** Massoud Karimi **FILE:** 27654194.02000  
**FROM:** Lily Bayati, Analytical QA/QC Group **SITE:** SDUHSD- La Costa Valley  
**DATE:** November 13, 2014  
**SUBJECT:** Summary of Limited Data Validation for Eurofins/Calscience Reports: 14-09-0951, 14-09-1077, 14-10-1693, and 14-10-1703

**Introduction**

This report summarizes the findings of the limited data validation (completeness check) of 29 soil samples (including two field duplicates), 22 soil composite samples (including two field duplicates), and six equipment blanks. These samples were collected on September 11, 12, and October 21, 2014 as part of the San Dieguito Union High School District (SDUHSD) – La Costa Valley Site Investigation. Eurofins/ Calscience Laboratories in Garden Grove, California performed all analyses. The samples are listed in Table 1 included at the end of this document. The data were reviewed in accordance with URS Standard Operating Procedures, and the principles presented in *USEPA CLP National Functional Guidelines for Superfund Organics Methods Data Review* (EPA 2008, 2014), and *USEPA National Functional Guidelines for Laboratory Data Review, Inorganics* (EPA 2010, 2014).

**Executive Summary**

All samples were analyzed as requested and all holding times were met. No data were qualified. Overall, based on this limited validation covering the QC parameters listed below, the data are useable for their intended purpose.

**1.0 Data Review Narratives**

Twenty-nine soil samples were analyzed for arsenic (EPA method 6010B) and 22 soil composite samples were analyzed for organochlorine pesticides (EPA method 8081A). In addition, six equipment blanks were collectively analyzed for arsenic (EPA method 6010B), and organochlorine pesticides (EPA method 8081A). The laboratory data were reviewed to evaluate compliance with these methods and the quality of the data reported. This data review process did not include result recalculation or transcription error checking from the raw data. The following summarizes the results of this review.

The areas of review are listed below. A check mark (✓) indicates an area of review in which all data were acceptable. A crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Data Completeness
- ✓ Holding Times and Preservation
- ✓ Blanks
- ✓ System Monitoring Compounds (Surrogates)
- ✓ Laboratory Control Samples (LCS/ LCSD)
- ✓ Matrix Spike/Matrix Spike Duplicate Samples (MS/MSD)
- ✓ Field Duplicates
- ✓ Analyte Identification and Quantitation



### 1.1 Overall Assessment

The data reported in this package, are considered to be usable for meeting project objectives. All results are considered to be valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%. Additionally, because all samples in this data set were collected and analyzed under similar prescribed conditions, the data within this set are considered to be comparable.

### 1.2 Data Completeness

All analyses were performed as requested on the chain-of-custody (COC) forms. The laboratory reported all requested analyses and the deliverable data reports were complete.

### 1.3 Holding Times and Preservation

All analyses were performed within the method-specified holding times. In addition, all samples were collected and preserved appropriately.

### 1.4 Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed. Target analytes were not detected in the associated method blanks. In addition, target analytes were not detected in the equipment blanks.

### 1.5 System Monitoring Compounds (Surrogates)

Appropriate numbers of surrogate compounds were spiked into each sample for the EPA 8081A analyses. All surrogate compound recoveries were within the laboratory's statistically determined acceptance ranges.

### 1.6 Laboratory Control Samples (LCS/ LCSD)

LCSs were prepared and analyzed at the proper frequency for each analysis. All LCS recoveries reported, were within the laboratory's statistically determined acceptance ranges.

### 1.7 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Project samples **B-16-2.5**, **B-29-2.5**, **B-38-0.5** (EPA method 6010B), and **C10** (EPA method 8081) were utilized for MS/MSD analyses. All average MS/MSD recoveries reported and the relative percent differences (RPDs) between the results were either within the laboratory's statistically determined acceptance ranges, or did not require data qualification.

### 1.8 Field Duplicates

The following samples were submitted to the laboratory as blind field duplicate pairs.

Primary Sample	Field Duplicate	Primary Sample	Field Duplicate
B-17-0.5	Dup-1	B-22-2.5	Dup-3
C9	Dup-2	C20	Dup-4

Acceptable field and analytical precision was demonstrated for all analytes for the field duplicate pairs.

### 1.9 Analyte Identification and Quantitation

All analytes reported and the detection limits obtained comply with project specifications. All dilutions were appropriate.

Table I  
Eurofins/ Calscience Laboratories

Sample	SDG	Laboratory Number	Date Sampled	Analyses Performed
<b>B-38-0.5</b>	14-09-0951	14-09-0951-5	9/11/14	EPA 6010B
<b>B-38-2.5</b>	14-09-0951	14-09-0951-6	9/11/14	EPA 6010B
<b>B-34-0.5</b>	14-09-0951	14-09-0951-7	9/11/14	EPA 6010B
<b>B-34-2.5</b>	14-09-0951	14-09-0951-8	9/11/14	EPA 6010B
<b>B-33-0.5</b>	14-09-0951	14-09-0951-9	9/11/14	EPA 6010B
<b>B-33-2.5</b>	14-09-0951	14-09-0951-10	9/11/14	EPA 6010B
<b>B-32-0.5</b>	14-09-0951	14-09-0951-11	9/11/14	EPA 6010B
<b>B-32-2.5</b>	14-09-0951	14-09-0951-12	9/11/14	EPA 6010B
<b>B-31-0.5</b>	14-09-0951	14-09-0951-13	9/11/14	EPA 6010B
<b>B-22-0.5</b>	14-09-0951	14-09-0951-17	9/11/14	EPA 6010B
<b>B-22-2.5</b>	14-09-0951	14-09-0951-18	9/11/14	EPA 6010B
<b>B-21-0.5</b>	14-09-0951	14-09-0951-20	9/11/14	EPA 6010B
<b>B-25-2.5</b>	14-09-0951	14-09-0951-21	9/11/14	EPA 6010B
<b>B-12-0.5</b>	14-09-0951	14-09-0951-26	9/11/14	EPA 6010B
<b>B-9-2.5</b>	14-09-0951	14-09-0951-33	9/11/14	EPA 6010B
<b>B-17-0.5</b>	14-09-0951	14-09-0951-34	9/11/14	EPA 6010B
<b>B-28-0.5</b>	14-09-0951	14-09-0951-41	9/11/14	EPA 6010B
<b>B-29-2.5</b>	14-09-0951	14-09-0951-46	9/11/14	EPA 6010B
<b>B-18-0.5</b>	14-09-0951	14-09-0951-51	9/11/14	EPA 6010B
<b>B-21-2.5</b>	14-09-0951	14-09-0951-55	9/11/14	EPA 6010B
<b>B-23-0.5</b>	14-09-0951	14-09-0951-56	9/11/14	EPA 6010B
<b>B-23-2.5</b>	14-09-0951	14-09-0951-57	9/11/14	EPA 6010B
<b>B-30-0.5</b>	14-09-0951	14-09-0951-61	9/11/14	EPA 6010B
<b>B-30-2.5</b>	14-09-0951	14-09-0951-162	9/11/14	EPA 6010B
<b>Dup-1</b> (Field Duplicate of B-17-0.5)	14-09-0951	14-09-0951-164	9/11/14	EPA 6010B
<b>Dup-3</b> (Field Duplicate of B-22-2.5)	14-09-0951	14-09-0951-164	9/11/14	EPA 6010B
<b>C1</b> (B-1-0.5, B-2-0.5, B-17-0.5)	14-09-0951	14-09-0951-138	9/11-12/14	EPA 8081A
<b>C2</b> (B-1-2.5, B-2-2.5, B-17-2.5)	14-09-0951	14-09-0951-139	9/11-12/14	EPA 8081A
<b>C3</b> (B-3-0.5, B-9-0.5, B-10-0.5, B-11-0.5)	14-09-0951	14-09-0951-140	9/11-12/14	EPA 8081A
<b>C4</b> (B-3-2.5, B-9-2.5, B-10-2.5, B-11-2.5)	14-09-0951	14-09-0951-141	9/11-12/14	EPA 8081A
<b>C5</b> (B-6-0.5, B-12-0.5, B-13-0.5, B-14-0.5)	14-09-0951	14-09-0951-142	9/11-12/14	EPA 8081A
<b>C6</b> (B-6-2.5, B-12-2.5, B-13-2.5, B-14-2.5)	14-09-0951	14-09-0951-143	9/11-12/14	EPA 8081A
<b>C7</b> (B-7-0.5, B-15-0.5, B-16-0.5, B-25-0.5)	14-09-0951	14-09-0951-144	9/11-12/14	EPA 8081A

Table I  
Eurofins/ Calscience Laboratories

Sample	SDG	Laboratory Number	Date Sampled	Analyses Performed
<b>C8</b> (B-7-2.5, B-15-2.5, B-16-2.5, B-25-2.5)	14-09-0951	14-09-0951-145	9/11-12/14	EPA 8081A
<b>C9</b> (B-4-0.5, B-5-0.5, B-25-0.5, B-27-0.5)	14-09-0951	14-09-0951-146	9/11-12/14	EPA 8081A
<b>C10</b> (B-4-2.5, B-5-2.5, B-25-2.5, B-27-2.5)	14-09-0951	14-09-0951-147	9/11-12/14	EPA 8081A
<b>C11</b> (B-18-0.5, B-19-0.5, B-20-0.5)	14-09-0951	14-09-0951-148	9/11-12/14	EPA 8081A
<b>C12</b> (B-18-2.5, B-19-2.5, B-20-2.5)	14-09-0951	14-09-0951-149	9/11-12/14	EPA 8081A
<b>C13</b> (B21-0.5, B-22-0.5, B-23-0.5, B-24-0.5)	14-09-0951	14-09-0951-150	9/11-12/14	EPA 8081A
<b>C14</b> (B21-2.5, B-22-2.5, B-23-2.5, B-24-2.5)	14-09-0951	14-09-0951-151	9/11-12/14	EPA 8081A
<b>C15</b> (B-8-0.5, B-28-0.5, B-29-0.5, B-30-0.5)	14-09-0951	14-09-0951-152	9/11-12/14	EPA 8081A
<b>C16</b> (B-8-2.5, B-28-2.5, B-29-2.5, B-30-2.5)	14-09-0951	14-09-0951-153	9/11-12/14	EPA 8081A
<b>C17</b> (B-31-0.5, B-35-0.5, B-36-0.5, B-37-0.5)	14-09-0951	14-09-0951-154	9/11-12/14	EPA 8081A
<b>C18</b> (B-31-2.5, B-35-2.5, B-36-2.5, B-37-2.5)	14-09-0951	14-09-0951-155	9/11-12/14	EPA 8081A
<b>C19</b> (B-32-0.5, B-33-0.5, B-34-0.5, B-38-0.5)	14-09-0951	14-09-0951-156	9/11-12/14	EPA 8081A
<b>C20</b> (B-32-2.5, B-33-2.5, B-34-2.5, B-38-2.5)	14-09-0951	14-09-0951-157	9/11-12/14	EPA 8081A
<b>DUP-2</b> (Field Duplicate of C9)	14-09-0951	14-09-0951-158	9/11-12/14	EPA 8081A
<b>DUP-4</b> (Field Duplicate of C20)	14-09-0951	14-09-0951-159	9/11-12/14	EPA 8081A
<b>EB1-Core Barrel</b>	14-09-1077	14-09-1077-1	9/11/14	EPA 6010B, 8081A
<b>EB-Hand Auger</b>	14-09-1077	14-09-1077-2	9/11/14	EPA 6010B, 8081A
<b>EB-Direct Push</b>	14-09-1077	14-09-1077-3	9/11/14	EPA 6010B, 8081A
<b>EB2-Core Barrel</b>	14-09-1077	14-09-1077-4	9/12/14	EPA 6010B, 8081A
<b>B-38-3.5</b>	14-10-1693	14-10-1693-1	10/21/14	EPA 6010B
<b>B-33-3.5</b>	14-10-1693	14-10-1693-3	10/21/14	EPA 6010B
<b>B-22.3.5</b>	14-10-1693	14-10-1693-5	10/21/14	EPA 6010B
<b>Equipment –Hand Auger</b>	14-10-1703	14-10-1703-1	10/21/14	EPA 6010B
<b>Equipment-Direct Push</b>	14-10-1703	14-10-1703-2	10/21/14	EPA 6010B

## Notes:

SDG: Sample Delivery Group  
EPA 8081A: Organochlorine Pesticides  
EPA 6010B: Arsenic

**ATTACHMENT A**  
**DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY**  
**Assigned by URS Data Review Team**

**DATA QUALIFIER DEFINITIONS FOR ORGANIC ANALYSES**

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”
- NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**DATA QUALIFIER DEFINITIONS FOR INORGANIC ANALYSES**

- U The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

**URS DATA QUALIFIER DEFINITIONS — REASON CODE DEFINITIONS**

- a Analytical sequence deficiency or omission.
- b Gross compound breakdown (4,4'-DDT/Endrin).
- c Calibration failure; poor or unstable response.
- d Laboratory duplicate imprecision.
- e Laboratory duplicate control sample imprecision.
- f Field duplicate imprecision.
- h holding time violation.
- i Internal standard failure.
- k Serial dilution imprecision.
- l Laboratory control sample recovery failure.
- m Matrix spike/matrix spike duplicate recovery failure.
- n Interference check sample recovery failure.
- o Calibration blank contamination (metals/inorganics only).
- p Preparation blank contamination (metals/inorganics only).
- q Quantitation outside linear range.
- r Linearity failure in initial calibration.
- s Surrogate spike recovery failure (GC organics and GC/MS organics only).
- t Instrument tuning failure.
- u No valid confirmation column (GC Organics only).
- v Value is estimated below the MDA (Rads only).
- w Retention time (RT) outside of RT window.
- x Equipment blank contamination.
- y Trip blank contamination.
- z Method blank contamination.

**INTERPRETATION KEY**

The following example shows how an analytical result which includes qualifiers assigned by both the URS data review team and the analytical laboratory could be displayed in the data tables:

**<5.20 Uz | JB**

The qualifier assigned by the URS data review team precedes the “|”; the qualifier assigned by the laboratory follows it. In this example, the result is qualified as a non-detection data to the bias introduced by contamination of the associated method blank. Presence of the analyte in the method blank is indicated by the laboratory qualifier (B). The qualifier assigned by the URS data review team (Uz) indicates that the analyte concentration is considered to be below the adjusted detection limit (quantitation limit) based on the level of contamination in the method blank.

# APPENDIX E

## Response to Comments

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## APPENDIX E

## Response to Comments

**PUBLIC REVIEW**

The La Costa Valley Site Mitigated Negative Declaration was circulated for state public review from November 28, 2014 to December 29, 2014. The following is a list of organizations and agencies that reviewed the Mitigated Negative Declaration.

Federal Government

United States Fish and Wildlife Service

State of California

Department of Fish and Wildlife, Region 5  
 Native American Heritage Commission  
 Department of Toxic Substances Control  
 Regional Water Quality Control Board, Region 9  
 Department of Transportation, District 11  
 State Clearinghouse

Local Agencies

City of Carlsbad Planning Department  
 City of Carlsbad Building Division  
 City of Carlsbad Fire Department  
 City of Carlsbad Public Works Department  
 City of Carlsbad Municipal Water District  
 San Diego County Clerk's Office

Native American Bands

La Jolla Band of Mission Indians  
 Pala Band of Mission Indians  
 Pauma and Yuima Band of Mission Indians  
 Pechanga Band of Mission Indians  
 Rincon Band of Mission Indians  
 San Luis Rey Band of Mission Indians

Other

San Diego County Archaeological Society  
 San Diego Gas & Electric

**COMMENTORS INDEX**

The following is a list of agencies which commented on the Mitigated Negative Declaration. No other comments were received.

Comment LetterResponse Numbers

Gail K. Severns  
 Environmental Program Manager  
 California Department of Fish and Wildlife

1. 2

# APPENDIX E

## Response to Comments

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South Coast Region  
3883 Ruffin Road  
San Diego, CA 92123  
Dated December 23, 2014.



Edmund G. Brown Jr.  
Governor

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



ITEM 19

Ken Alex  
Director

December 29, 2014

John Addleman  
San Dieguito Union High School District  
684 Requeza Street  
Encinitas, CA 92024

Subject: La Costa Valley Site IS/MND  
SCH#: 2014111076

Dear John Addleman:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. The review period closed on December 26, 2014, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

A handwritten signature in cursive script, appearing to read "Scott Morgan".

Scott Morgan  
Director, State Clearinghouse



## Document Details Report State Clearinghouse Data Base

ITEM 19

**SCH#** 2014111076  
**Project Title** La Costa Valley Site IS/MND  
**Lead Agency** San Dieguito Union High School District

**Type** MND Mitigated Negative Declaration

**Description** The project entails the development of a multi-purpose building, parking, and athletic fields located on a 28 acre site along Calle Barcelona in Carlsbad, CA. The athletic field include two baseball fields, a softball field, and three soccer and lacrosse fields. The project also includes three parking lots - the sports, upper and lower lots. A restroom is planned adjacent to the sports lot parking lot. The project would be built in two phases. The athletic fields would be constructed first as part of Phase I, followed by the multi-purpose building as part of Phase II. Likewise, the parking lots would be phased beginning with the sports lot, lower lot, and part of the upper lot during Phase I. The larger part of the upper lot would be completed once the multi-purpose building is constructed as part of Phase II.

### Lead Agency Contact

**Name** John Addleman  
**Agency** San Dieguito Union High School District  
**Phone** (760) 753-6491 x5532 **Fax**  
**email**  
**Address** 684 Requeza Street  
**City** Encinitas **State** CA **Zip** 92024

### Project Location

**County** San Diego  
**City** Carlsbad  
**Region**  
**Lat / Long** 33° 4' 25.60" N / 117° 15' 14.90" W  
**Cross Streets** Calie Barcelona and El Camino Real  
**Parcel No.** 263-255-273-08-00  
**Township** **Range** **Section** **Base**

### Proximity to:

**Highways** I-5; Hwy 101  
**Airports**  
**Railways**  
**Waterways**  
**Schools**  
**Land Use** PLU: Vacant  
 Z: Planned Community  
 GPD: Junior High School

**Project Issues** Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Coastal Zone; Drainage/Absorption; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Wetland/Riparian; Growth Inducing; Landuse; Cumulative Effects; Other Issues

**Reviewing Agencies** Resources Agency; California Coastal Commission; Department of Fish and Wildlife, Region 5; Department of Parks and Recreation; Department of Water Resources; Caltrans, District 11; Air Resources Board; State Water Resources Control Board, Division of Water Quality; Regional Water Quality Control Board, Region 9; Department of Toxic Substances Control; Native American Heritage Commission

Document Details Report  
State Clearinghouse Data Base

ITEM 19

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*Date Received* 11/26/2014      *Start of Review* 11/26/2014      *End of Review* 12/26/2014



State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE  
South Coast Region  
3883 Ruffin Road  
San Diego, CA 92123  
(858) 467-4201  
www.wildlife.ca.gov

EDMUND G. BROWN JR., Governor  
CHARLTON H. BONHAM, Director



December 18, 2014

Mr. John Addleman  
Director of Planning Services  
San Dieguito Union High School District  
684 Requeza Street  
Encinitas, CA 92024  
John.addleman@sduhsd.net

Subject: Comments on the Notice of Intent to Adopt a Mitigated Negative Declaration for the La Costa Valley Site Project, City of Carlsbad, County of San Diego, CA (SCH # 2014111076)

Dear Mr. Addleman:

The California Department of Fish and Wildlife (Department) has reviewed the draft Mitigated Negative Declaration (MND) and Initial Study for the La Costa Valley Site project. The following statements and comments have been prepared pursuant to the Department's authority as Trustee Agency with jurisdiction over natural resources affected by the project (California Environmental Quality Act, [CEQA] Guidelines § 15386) and pursuant to our authority as a Responsible Agency under CEQA Guidelines section 15381 over those aspects of the proposed project that come under the purview of the California Endangered Species Act (Fish and Game Code § 2050 *et seq.*) and Fish and Game Code section 1600 *et seq.* The Department also administers the Natural Community Conservation Planning (NCCP) program. The City of Carlsbad (City) participates in the NCCP program by implementing its approved Multiple Species Conservation Program Subarea Plan (SAP). However, the San Dieguito Union High School District is not a signatory of the City's SAP.

The proposed project is located along the south side of Calle Barcelona east of El Camino Real Road in the City within a residential neighborhood. Coastline Community Church is located adjacent to the site on the west, and La Costa Valley Master Community Association recreation facility is north of the site across Calle Barcelona. The site is vacant and was mass-graded for a future middle school as part of developing the Arroyo La Costa Master Plan (1990) MP 88-01 in 1999. The proposed project would design and construct an athletic facility on a 28-acre site comprising a multi-purpose building, three parking lots, and six athletic fields. The project would be built in two phases. The athletic fields and parking lots would be constructed as part of Phase I, followed by the multi-purpose building and remainder of the upper parking lot as part of Phase II. Phase I is proposed to begin in the fall of 2014 and be completed by the fall of 2015, while the construction of Phase II is expected to begin in the summer of 2017 and be completed by fall of 2018.

The Department offers the following comments and recommendations to assist the San Dieguito Union High School District in avoiding or minimizing potential project impacts on biological resources.

1

Depending on the species, a bird can build and lay eggs in a nest within four to five days. Accordingly, the Department suggests that mitigation measure Bio-1 (section 5.4 Biological Resources, page 5-16) include the following edits (additions to text are underlined while deletions are in strikethrough).

John Addleman  
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**Bio-1** Design features would be included in the design of the project to mitigate for impacts to special status species including:

- 1 a. Removal of any tree and/or other vegetation suitable for nesting of raptors and/or birds protected under the Migratory Bird Treaty Act shall not occur during the breeding season of January 15 through September 15 (as early as January 1 for some raptor species). If tree removal or other suitable nesting habitat must occur during the breeding season, all sites shall be surveyed by a qualified biologist to verify the presence or absence of nesting raptors or other birds. ~~Pre-removal surveys shall be conducted within 15 days prior to start of work from January 15 through May 31, and within 30 days prior to the start of work from June 1 through September 15. The qualified biologist shall conduct weekly bird surveys for nesting birds, within three days prior to start of work in the area, and ensure no nesting birds in the project area would be impacted by the project.~~ Results of the ~~pre-removal~~ bird surveys shall be submitted to the District.
- b. If the survey indicates the potential presence of nesting raptors or other birds within or adjacent to the work area, the biologist shall determine an appropriately sized buffer around the nest in which no work will be allowed until the young have successfully fledged. The size of the nest buffer will be determined by the biologist and will be based to a large extent on the nesting species and its sensitivity to disturbance. In general, a buffer distance of ~~200~~ 500 feet for raptors and ~~50~~ 300 feet for other birds should suffice is recommended to prevent disturbance to birds nesting onsite. Project personnel, including all contractors working on site, will be instructed on the sensitivity of the area.

2 The Biological Resources section, subsection c (page 5-17) states: "As a result of previous grading, irrigation runoff collects at the base of the hill on the southeastern perimeter of the site allowing for growth of wetland vegetation such as cattails (*Typha* sp.) and pickleweed (*Salicornia* sp.). The runoff collection area is hydrologically isolated and does not share a surface connection with any other "waters." Therefore, this area is not considered a jurisdictional wetland under Section 404 of the Clean Water Act or by the California Department of Fish and Wildlife." The Department has regulatory authority over activities in streams that will divert or obstruct the natural flow, or change the bed, channel, or bank (which may include associated riparian resources) of a river or stream, or use material from a streambed. We also have the responsibility of protecting wetland habitats. In the absence of a jurisdictional delineation report and other supporting information, we recommend that the applicant contact the Department's Lake and Stream Alteration group concerning this project.

We appreciate the opportunity to comment on the referenced draft MND. For questions regarding this letter and content within the letter please contact Bryand Duke at 858-637-5511 or [Bryand.Duke@wildlife.ca.gov](mailto:Bryand.Duke@wildlife.ca.gov).

Sincerely,



Gail K. Sevrens  
Environmental Program Manager

ec: Kevin Hupf, CDFW

## APPENDIX E

## Response to Comments

**RESPONSE**

*In response to California Department of Fish and Wildlife comment letter:*

1. The district has taken into consideration the revisions to Mitigation Measure *Bio-1* that have been provided by the California Department of Fish and Wildlife on December 23, 2014. As a result, revisions to the mitigation measure have been developed that address establishing a protective buffer during construction activities to avoid impacts to nesting birds within the project site, and to instruct project personnel on the sensitivity of the area. Text within the MND has been edited in Mitigation Measure *Bio-1* and Section 5.4, as shown below.

From page 5-16 of the MND:

***Bio-1*** Design features would be included in the design of the project to mitigate for impacts to special status species including:

a. Removal of any tree and/or other vegetation suitable for nesting of raptors and/or birds protected under the Migratory Bird Treaty Act shall not occur during the breeding season of January 15 through September 15 (as early as January 1 for some raptor species). If tree removal or other suitable nesting habitat must occur during the breeding season, all sites shall be surveyed by a qualified biologist to verify the presence or absence of nesting raptors or other birds. Pre-removal surveys shall be conducted within < 3 days prior to start of work within the area from January 15 through September 15 and will ensure no nesting birds in the project area would be impacted by the project. 15 days prior to start of work from January 15 through May 31, and within 30 days prior to the start of work from June 1 through September 15. Results of the pre removal surveys shall be submitted to the District.

~~b. If an active nest is found, the tree supporting the nest shall be avoided until the birds have fledged and the nest is abandoned. Additionally, if an active nest is identified prior to construction, a buffer shall be established by a qualified biologist between the construction activities (and/or tree removal) and the nest so that nesting activities are not interrupted. The recommended buffer widths are 500 feet for raptors, and 300 feet for migratory birds. Reductions and/or modifications to the nest buffer distance may be appropriate depending on the avian species involved, ambient levels of human activity, screening vegetation, or possibly other factors and adjustments shall be made at the sole discretion of the project biologist. Final buffer limits for nests established prior to construction shall be delineated by temporary fencing, and shall remain in effect as long as construction, demolition or tree removal is occurring or until the nest is no longer active. No project construction shall occur within the fenced nest zone until the young have left the nest and are no longer being fed by the parents unless the nest was established after construction began in which case avoidance measures are not required. If no active nests are found prior to construction or during the nesting season, removal of trees and construction activities can proceed. Project personnel, including all contractors working on site, will be instructed on the sensitivity of the area.~~

~~If the survey indicates the potential presence of nesting raptors or other birds within or adjacent to the work area, the biologist shall determine an appropriately sized buffer around the nest in which no work will be allowed until the young have successfully fledged. The size of the nest buffer will be determined by the biologist and will be~~

## APPENDIX E

Response to Comments

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~~based to a large extent on the nesting species and its sensitivity to disturbance. In general, a buffer distance of 200 feet for raptors and 50 feet for other birds should suffice to prevent disturbance to birds nesting onsite.~~

2. The district does has not contacted the California Department of Fish and Wildlife Lake and Streambed Alteration group concerning this project, since the runoff collection area is not considered a jurisdictional wetland under Section 404 of the Clean Water Act or by the California Department of Fish and Wildlife. As noted in the Biological Resources section, as a result of previous grading, irrigation runoff collects at the base of the hill on the southeastern perimeter of the site allowing for growth of hydrophytic vegetation such as cattails (*Typha* sp.) and pickleweed (*Salicornia* sp.). The runoff collection area is an upland area that is hydrologically isolated and does not share a surface connection with any jurisdictional “waters”. Therefore, this area would not be considered a jurisdictional wetland under Section 404 of the Clean Water Act. The California Department of Fish and Wildlife (CDFW) regulates all diversions, obstructions, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake which supports fish or wildlife. CDFW regulates wetland areas only to the extent that those wetlands are part of a river, stream, or lake. The feature lacks a bed and bank and any surface or subsurface connection to a stream. Additionally, unlike a lake which can broadly be interpreted to include ephemerally ponded depressions, the feature does not occur in a natural defined basin but on a graded section of hillslope where uplands historically occurred. Therefore, this would be an area that would be subject to California Department of Fish and Wildlife Lake regulation and require further coordination.

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 23, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** John Addleman, Director of Planning  
Eric Dill, Assoc. Supt. of Business Services

**SUBMITTED BY:** Rick Schmitt, Superintendent

**SUBJECT:** PRELIMINARY ENDANGERMENT  
ASSESSMENT (PEA) FOR LA COSTA  
VALLEY SITE

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### EXECUTIVE SUMMARY

In accordance with the requirements for site approval from the California Department of Education (CDE), a Preliminary Environmental Assessment (PEA) has been prepared for the Department of Toxic Substances Control (DTSC) review and approval.

The PEA for the La Costa Valley Site was submitted to DTSC on November 14, 2014. The document was made available to the public on November 28, 2014 via legal advertising, site postings, and the Prop AA website. On December 17, 2014, DTSC asked for minor revisions to the PEA. A complete copy of the revised PEA is available for review by interested parties at the San Dieguito Union High School District Planning and Construction offices, 684 Requeza Street, Encinitas, California 92024. A copy of the Comments-Response Matrix to summarize the revisions is attached.

The purpose of the PEA is to evaluate historical information for indications of past use, storage, disposal or release of hazardous wastes/substances at the site; establish the nature of hazardous wastes/substances that may be present in soil at the site, their concentration and general context; and estimate the potential threat to public health and/or the environment posed by hazardous constituents at the site using a residential land-use scenario.

The DTSC will make a decision regarding the potential risks posed on the site based on the information developed during the PEA.

## ITEM 20

The intention of this agenda item is to hold a public hearing and receive public comments. No action is required by the Board on this matter. All comments received at the public hearing and during the comment period will be forwarded to DTSC for their review as part of the approval process.

### **RECOMMENDATION:**

It is recommended that the Board hold a public hearing and receive public comments. No action is required by the Board on this matter. All comments received at the public hearing and during the comment period will be forwarded to DTSC for their review as part of the approval process.

### **FUNDING SOURCE:**

Not applicable.



**DTSC COMMENTS REPONSE MATRIX**  
**PEA Report Dated November 14, 2014**  
**La Costa Valley Site, Carlsbad, California**  
**Site Code: 404897**

ITEM 20

Comments by: J. Abraham		
Comment No.	Comment	Resolution/Response
1	As far as the document titled, "Pipeline Risk Assessment – La Costa Valley Site, Carlsbad, California," dated September 4, 2014, has been submitted to the California Department of Education (CDE) for their review, DTSC has not evaluated the risks associated with the two high-pressure pipelines of concern were identified to be within 1,500 feet of the school property.	Comment noted. A draft of this report has been prepared, but not yet submitted to the CDE according to the San Dieguito Union High School District (District). As per the latest telephone communication between URS and the Department of Toxics Substances Control (DTSC) on January 7, 2015, it was concluded that the DTSC will not take action to review or comment on the Pipeline Risk Assessment Report prepared for this site and decision was made that a "no further action" approval can be issued by the DTSC pending revision of the PEA document incorporating DTSC's comments as per that agency's correspondence, dated December 17, 2014.
Comments by: Dr. CY Jeng		
1	Executive Summary: Please modify the discussion of arsenic data in the 3 <sup>rd</sup> paragraph to be consistent with Section 6.11.2.2. Specifically, one of the three samples with the arsenic concentration above 12 mg/kg is a step-out sample (14.6 mg/kg at B-38-2.5') collected during the supplemental sampling. HERO also recommends deleting the last sentence in the third paragraph, "[t]he concentrations of arsenic present in soil at the site do not pose..." as a quantitative health risk evaluation on arsenic was not performed in this case.	<p>Comment noted and addressed by modifying the discussion in the 3<sup>rd</sup> paragraph in the Executive Summary to be consistent with Section 6.11.2.2. This paragraph now states: "The OCPs were not detected at concentrations above the laboratory reporting limits in the soil samples analyzed from the site. Arsenic was detected in three samples marginally above the 12 milligrams per kilogram (mg/kg) concentration DTSC considers the upper range of background. The concentrations in these samples ranged from 14.6 mg/kg to 17.7 mg/kg. Based on these results, DTSC requested that supplemental (step-out and step-down) sampling be conducted. Fourteen step-out soil samples were collected near soil borings B-22 and B-33 and were analyzed for arsenic. Arsenic concentrations from this group of samples ranged from 0.840 to 14.60 mg/kg. Only one soil sample (B-38-2.5) from this group was reported with arsenic concentration that marginally exceeded background. At the request of DTSC, three step-down soil samples from borings B-22, B-33, and B-38 were collected at approximately 3.5 feet bgs. Arsenic concentrations in this group of samples ranged from 1.95 to 6.47 mg/kg. The limited number of samples containing arsenic concentrations above background are considered to be outliers and associated with naturally occurring arsenic in the native soils.</p> <p>Also, the last sentence previously appearing in this section was deleted as per DTSC's recommendation.</p>

**DTSC COMMENTS RESPONSE MATRIX**  
**PEA Report Dated November 14, 2014**  
**La Costa Valley Site, Carlsbad, California**  
**Site Code: 404897**

ITEM 20

Comment by: Dr. CY Jeng (Continued...)		
Comment No.	Comment	Resolution/Response
2	Section 6.11.2.3: HERO recommends presenting a table showing the locations and concentrations of methane measurements for completeness.	Comment noted. Table 4 – Soil Methane Screening Results has been added to the PEA Rev. 1 Report.
3	Section 7: A statistical evaluation of the arsenic data should be performed to demonstrate that detected arsenic concentrations are within background levels and thus a human health risk evaluation on arsenic is not warranted. Please revise the discussion of arsenic sampling results in the 1 <sup>st</sup> paragraph to indicate that detected arsenic concentrations are within background levels (the current text states that no COPCs are present at concentrations above laboratory reporting limits).	<p>Comment noted. The text in Section 7 of the PEA Rev. 1 Report now states:</p> <p>Analysis of representative soil samples collected from the site indicated that no OCPs were detected at concentrations above their respective laboratory-specific reporting limits. Analysis for arsenic showed that from the 27 soil samples collected, only three samples were reported to contain arsenic at concentrations marginally above the 12 mg/kg established as background for arsenic by the DTSC for Southern California soils (DTSC, 2008). Among the three samples, the maximum arsenic concentration detected was 17.7 mg/kg, which is below the maximum arsenic concentration found in DTSC's background study (19.63 mg/kg).</p> <p>The 95% Upper Confidence Limit (UCL) of the mean for the arsenic data set was calculated using the U.S. EPA's ProUCL Version 5.0.00 software. This evaluation was performed following an analysis which confirmed the normality of the data distribution. The evaluation suggests that one can be 95% confident that the true average concentration of arsenic in the subject data population is equal to or below approximately 8.4 mg/kg. A copy of the ProUCL Version 5.0.00 data output for 95% calculations along with a histogram, which illustrates the arsenic data distribution, are provided in Appendix F.</p> <p>As such, a human health screening evaluation was not warranted and therefore was not conducted as part of this PEA.</p>

**DTSC COMMENTS RESPONSE MATRIX**  
**PEA Report Dated November 14, 2014**  
**La Costa Valley Site, Carlsbad, California**  
**Site Code: 404897**

ITEM 20

Comment by: Dr. CY Jeng (Continued...)		
Comment No.	Comment	Resolution/Response
4	Please revise the discussion of arsenic sampling results to indicate that detected arsenic concentrations are within background levels (see the above comment).	<p>Comment noted. The text in the section has been revised in the PEA Rev. document as follows:</p> <p>Analysis of representative soil samples collected from the site indicated that no OCPs were detected at concentrations above their respective laboratory-specific reporting limits.</p> <p>Analysis for arsenic showed that from the 27 soil samples collected, only three samples were reported to contain arsenic at concentrations marginally above the 12 mg/kg established as background for arsenic by the DTSC for Southern California soils (DTSC, 2008). Among the three samples, the maximum arsenic concentration detected was 17.7 mg/kg, which is below the maximum arsenic concentration found in DTSC's background study (19.63 mg/kg).</p> <p>Based on the information presented in the previous section (Section 7) and comparison of maximum arsenic concentrations as provided above, an ecological risk screening evaluation was not warranted and therefore was not conducted as part of this PEA.</p>

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 26, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Michael Grove, Ed.D.  
Associate Superintendent, Educational Services

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** TEACHER CHANGE REQUEST

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### EXECUTIVE SUMMARY

Staff will make a presentation at the Board meeting on February 5, 2015. Presentation materials, if any, will be made available at the meeting.

### RECOMMENDATION:

This item is being provided as information only.

### FUNDING SOURCE:

N/A

# San Dieguito Union High School District

## INFORMATION REGARDING BOARD AGENDA ITEM

**TO:** BOARD OF TRUSTEES

**DATE OF REPORT:** January 27, 2015

**BOARD MEETING DATE:** February 5, 2015

**PREPARED BY:** Christina M. Bennett, Director of Purchasing/Risk Mgt  
Eric R. Dill, Associate Superintendent/Business

**SUBMITTED BY:** Rick Schmitt  
Superintendent

**SUBJECT:** LABOR COMPLIANCE PROGRAM ANNUAL  
REPORT 2014

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### EXECUTIVE SUMMARY

Under the rules and regulations of the Labor Compliance Program, the Board of Trustees is to be presented with an annual report of activities in this program. The District reported that there were not any contracts involving the Labor Compliance Program during the period July 1, 2013 through June 30, 2014 fiscal year.


### RECOMMENDATION

The Labor Compliance Program Annual Report 2014, for the reporting period July 1, 2013 through June 30, 2014, is being submitted as an information item, as shown in the attached supplement.

### FUNDING SOURCE

Not applicable

**LCP-AR1****ITEM 22****LABOR COMPLIANCE PROGRAM ANNUAL REPORT***Format for Awarding Body that enforces its own Labor Compliance Program for some but not all projects*Report for the reporting period 7/1/2013 to 6/30/14

1. Name of Labor Compliance Program (LCP) : San Dieguito Union High School District		
2. LCP I.D. Number (assigned by DIR): 2003.00093	3. Date of Initial Approval: 3/27/2003	
4. Contact person (include name, title, address, telephone, fax, and e-mail, if available): Christina Bennett, Director of Purchasing, 710 Encinitas Blvd., Encinitas, CA 92024; PH: 760-753-6491; christina.bennett@sduhsd.net		
5. Did LCP perform any LC § 1771.5 enforcement activities during the 12 months in the reporting period? Please check one: <input type="checkbox"/> Yes    If Yes, proceed to item 6 on the next page <input checked="" type="checkbox"/> No    If No, complete the information below, sign the form and submit to DIR, Office of the Director, Attn: LCP Special Assistant, 455 Golden Gate Avenue, 10th Floor, San Francisco CA 94102		
What suggestions do you have for the Department of Industrial Relations to better assist you with your program in the coming year? (attach additional sheets if necessary)  N/A		
<b>SUBMITTED BY:</b>		
 Signature	<u>Christina M. Bennett, Director of Purchasing</u> Name and Title	<u>01.21.15</u> Date