

Appendices



APPENDIX A

NOTICE OF PREPARATION



NOTICE OF PREPARATION

Date: October 29, 2007

To: Calif. Office of Planning and Research
Responsible and Trustee Agencies
Other Interested Parties

Subject: Notice of Preparation of a Program Environmental Impact Report

Project: North Los Angeles/Kern County Regional Recycled Water Master Plan

Lead Agency: Los Angeles County Waterworks District No. 40

This Notice of Preparation (NOP) has been prepared to notify agencies and interested parties that the Los Angeles County Waterworks District No. 40 (LACWWD40) as the Lead Agency is beginning preparation of a Program Environmental Impact Report (PEIR) pursuant to the California Environmental Quality Act (CEQA) for the proposed North Los Angeles/Kern County Regional Recycled Water Master Plan (proposed project), as described below. The proposed project would be implemented in conjunction with the following partner agencies, which shall serve as Responsible Agencies for this project: the City of Lancaster, the City of Palmdale, the Rosamond Community Services District, the County Sanitation Districts of Los Angeles County, Palmdale Water District, Antelope Valley-East Kern Water Agency, and Quartz Hill Water District. In addition, the PEIR may also be used by the U.S. Bureau of Reclamation for compliance with the National Environmental Policy Act.

LACWWD40 is soliciting the views of interested persons and agencies as to the scope and content of the environmental information to be studied in the PEIR. In accordance with CEQA, agencies are requested to review the project description provided in this NOP and provide comments on environmental issues related to the statutory responsibilities of the agency. The PEIR will be used by LACWWD40 and the Responsible Agencies when considering approval of the proposed project.

In accordance with the time limits mandated by CEQA, comments to the NOP must be received by LACWWD40 no later than 30 days after publication of this notice. We request that comments to this NOP be received no later than November 27, 2007. Please send your comments to the address shown below. Please include a return address and contact name with your comments.

Los Angeles County Waterworks District No. 40
Attn: Jonathan King
900 South Fremont Avenue
Alhambra, California 91803
FAX: (626) 300-3385

One public meeting will be held to receive public comments and suggestions on the proposed project. The scoping meeting will include a brief presentation providing an overview of the proposed project. After the presentation, oral comments will be accepted. Written comment forms will be supplied for those who wish to submit comments in writing at the scoping meeting; written comments may also be submitted anytime during the NOP review period. The scoping meeting will be held as follows:

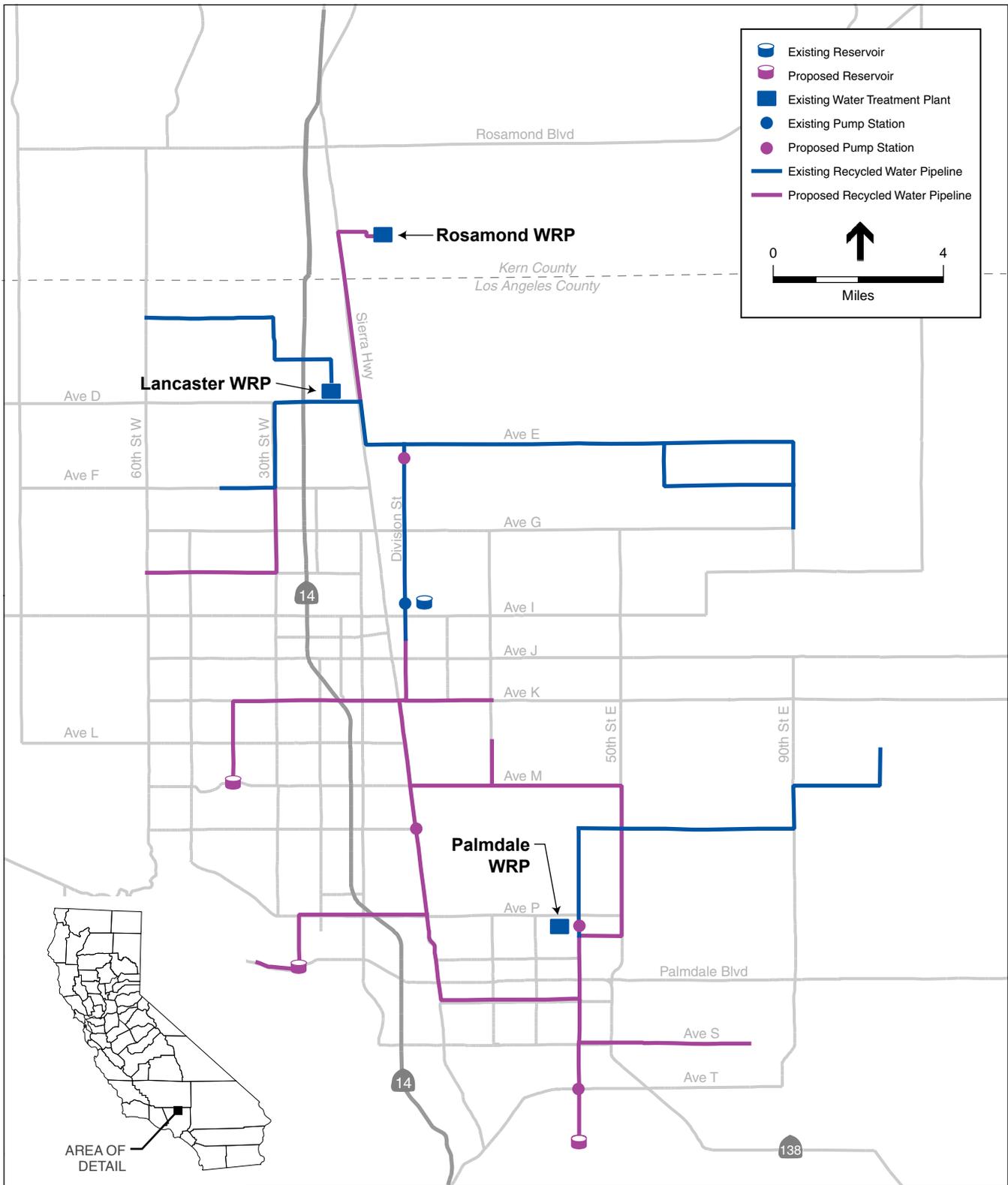
DATE: Tuesday, November 6, 2007
TIME: 3:00 PM
LOCATION: Larry Chimbole Cultural Center
38350 Sierra Hwy, Palmdale, CA 93550
661-267-5656

Project Location: The proposed project would be located in the Antelope Valley, which encompasses approximately 2,400 square miles in northern Los Angeles County, southern Kern County and western San Bernardino County. The area is bordered on the southwest by the San Gabriel Mountains, on the northwest by the Tehachapi Mountains, and on the east by a series of hills and buttes that generally follow the San Bernardino county line. The proposed project would be located within the City of Palmdale, the City of Lancaster, the Town of Rosamond, and unincorporated communities within Los Angeles and Kern Counties. The project area is indicated on **Figure 1**.

Project Background: Population growth in the Antelope Valley is increasing rapidly. As the population increases, the demand for potable water increases as well. LACWWD40 provides potable water to the region supplied from imported water and local groundwater. The Antelope Valley East Kern Water Agency provides imported water via the California Aqueduct.

Lancaster Water Reclamation Plant (LWRP), Palmdale Water Reclamation Plant (PWRP) and Rosamond Wastewater Treatment Plant (RWWTP) provide wastewater treatment for the major urbanized portions of the Antelope Valley. The LWRP and PWRP are owned and operated by the Los Angeles County Sanitation Districts. The RWWTP is owned and operated by the Rosamond Community Services District. Each of these facilities is in the process of being upgraded to provide 100 percent tertiary-treated effluent that is suitable for use for landscape irrigation.

Project Description: The proposed project is the construction of a regional recycled water distribution system that would include backbone conveyance pipelines, storage reservoirs, and pump stations. **Figure 1** shows the proposed locations for the proposed facilities. LACWWD40 completed the Recycled Water Facilities Plan in 2006. The proposed project would provide the primary backbone systems for transmission and distribution of recycled water to end users in the Antelope Valley. As identified in the Facilities Plan, the end users could include, but would not be limited to the following:



SOURCE: Kennedy/Jenks Consultants; ESA

North LA/Kern County Regional Recycled Water Master Plan . 206359

Figure 1
Existing and Proposed Facilities

- landscape irrigation of parks, schools, golf courses, sports complexes, greenbelts and residential open space areas, cemeteries, landfills, city maintenance and street cleaning operations;
- agricultural irrigation;
- proposed new power plant cooling water; and
- groundwater recharge.

The PEIR will evaluate potential effects of each of these potential end uses. Recycled water use would comply with the California Department of Public Health (formerly the Department of Health Services) recycled water regulations contained in Title 22 of the California Code of Regulations. In addition, the proposed project would be subject to conditions imposed by the Regional Water Quality Control Board (RWQCB) pursuant to Water Recycling Requirements (WRRs). The RWQCB would issue WRRs to LACWWD40 that would cover the proposed end uses.

The Facilities Plan identifies phases for gradual construction of the proposed project. The construction of Phase 1A is complete. Phase 1A includes the Division Street pipeline in the City of Lancaster. The proposed project, which includes the remaining phases described in the Facilities Plan, will be covered in this PEIR.

Construction activities for installation of the new pipelines, pump stations, storage tanks and reservoirs potentially would require open trenching in city streets, jack and bore or micro-tunneling under key intersections and creeks, and demolition and grading at reservoir sites.

Project Benefits: If implemented, project generated benefits would include:

- Reducing potable water demand currently provided either by local groundwater, local surface water or imported from the State Water Project (SWP);
- Potential for recharging the Antelope Valley's groundwater basin;
- Providing increased effluent management capacity; and
- Promoting the State's policies for beneficial reuse of recycled water to replace potable water where possible.

Issues to Be Addressed in the PEIR: The PEIR will evaluate potential impacts of the proposed project including construction and operation of the proposed pump stations, storage tanks, and recycled water pipelines. The PEIR will discuss alternatives to the proposed project including the No Project Alternative.

The PEIR will provide project-level impact analyses of construction and operation of the facilities shown in Figure 1. The PEIR will also provide project-level analyses of many of the end uses proposed in the Facilities Plan including landscape irrigation and agricultural irrigation. The PEIR will provide a program-level assessment of the potential for using the recycled water system to augment groundwater supplies and to provide cooling water for power plants. Subsequent CEQA would be required prior to implementing a groundwater recharge program with recycled water or using recycled water at a power plant.

The PEIR will evaluate potential direct, indirect, and cumulative impacts associated with implementation of the project. The PEIR will assess both short-term construction impacts as well as long-term effects associated with project operation and recycled water use. The following sections summarize potential effects of the project to be evaluated in the PEIR at a minimum.

Aesthetics: New storage facilities may affect public vistas and may also require occasional nighttime security lighting. The PEIR will assess the potential impacts of the proposed project on aesthetics and visual resources and identify mitigation measures to minimize the effects if necessary.

Air Quality: Construction would generate emissions from construction equipment exhaust, earth movement, construction workers' commute, and material hauling for the entire construction period. The project's construction emissions could adversely affect the regional air quality within the Antelope Valley. The PEIR will estimate daily exhaust and fugitive emissions based on detailed construction activities by project phasing to assess the potential long-term and short-term air quality impact. The PEIR will identify sensitive receptors within the project area that could be adversely affected by the project construction. The PEIR will assess the potential impacts of the proposed project to air quality and identify mitigation measures to minimize the effects if necessary.

Biological Resources: Construction of storage reservoirs and pump stations and installation of pipelines could occur in areas that support special-status plant or animal species. The PEIR will evaluate potential impacts of the proposed project to habitat associated with special-status species and identify mitigation measures to minimize any such effects if necessary.

Cultural Resources: Excavation could occur in archaeologically sensitive areas. The PEIR will evaluate the potential impacts of the proposed project on archaeological and paleontological resources. The PEIR will identify mitigation measures to minimize cultural resources impacts if necessary.

Geology and Soils: The Antelope Valley is located in a seismically active region of California. Seismic activity on local faults within the region could cause considerable ground shaking in the project area. The PEIR will evaluate the potential geologic hazards associated with the project for each facility location. The PEIR will also evaluate potential effects to soil quality resulting from long term recycled water use. The PEIR will identify mitigation measures, as necessary, to minimize impacts.

Hazards and Hazardous Materials: Contaminated soils and groundwater could be encountered during construction of the proposed project, due to neighboring industrial land uses and the potential for leaking underground storage tanks. The PEIR will assess the potential for encountering contaminated soils and groundwater and other hazardous materials and will develop measures to ensure that any hazards encountered during construction would be handled in accordance with applicable regulations. The PEIR will identify mitigation measures, as necessary, to minimize impacts.

Hydrology and Water Quality: Excavation and construction activities could affect storm water quality if sediment or spills run off construction sites. The PEIR will identify storm water quality protection measures required during construction activities such as sediment fencing and spill prevention and containment. The PEIR will identify recycled water application restrictions designed to protect public health and local water quality. The PEIR will identify mitigation measures, as necessary, to minimize hydrology and water quality impacts.

Land Use: Construction activities associated with the project would result in short-term disturbances to adjacent land uses. The PEIR will identify the project's potential effects on land uses and will evaluate the project's consistency with local planning efforts and compatibility with neighboring land uses. The PEIR will identify mitigation measures, as necessary, to minimize impacts to land use.

Population and Housing: The PEIR will discuss regional water demands and will evaluate the project's effects on the regional water supplies. The PEIR will discuss the project's potential to support or induce growth in the region and will identify the direct and indirect adverse effects of growth.

Noise: Construction activities associated with the project would generate short-term noise that could affect nearby residences and businesses adjacent to the proposed construction areas. Operation of the proposed project could generate noise that would impact nearby sensitive land uses. The PEIR will identify sensitive receptors near the proposed facilities. The PEIR will evaluate the proximity of sensitive land uses relative to noise-generating activities associated with construction and with long-term operation of the proposed project. The PEIR will identify mitigation measures, as necessary, to minimize impacts.

Traffic and Transportation: Excavation activities associated with the proposed project would temporarily disrupt traffic on roadways, potentially affecting local traffic, bus routes, and emergency vehicle access routes. Open trenching within city streets could require temporary lane and intersection closure. The PEIR will describe the duration and extent of the impact to traffic on the roadways affected by the proposed project. The PEIR will also evaluate potential impacts to parking. The PEIR will identify mitigation measures to minimize potential adverse effects.

Utilities and Public Services: Excavation within city streets would encounter underground utilities. Local service could be temporarily disrupted during construction. The PEIR will evaluate the project's potential to affect utilities and public services and will identify mitigation measures to minimize the effects.

APPENDIX B

NOP SCOPING REPORT

**North LA/Kern County Regional Recycled Water Master Plan
Program EIR
Scoping Meeting**

DATE: November 6, 2007
TIME: 3:00 PM
LOCATION: Larry Chimbole Cultural Center
38350 Sierra Hwy, Palmdale, CA 93550

SPONSORS: Tom Barnes, ESA
Jennifer Jacobus, ESA
David Rydman, Los Angeles County Waterworks 40
Jonathan King, Los Angeles County Waterworks 40

Attendees

Steve Dassler	City of Lancaster	sdassler@cityoflancaster.org
Gordon L. Phair	City of Palmdale	gphair@cityofpalmdale.org

Verbal Comments

- Copy of schedule
- Describe the purpose of pump stations
- Show the project pressure zones
- Describe the integration of the system among agencies



PALMDALE

a place to call home

November 27, 2007

JAMES C. LLEDFORD, JR.
Mayor

MIKE DISPENZA
Mayor Pro Tem

STEVEN D. HOIBAUPE
Councilmember

STEPHEN KNIGHT
Councilmember

TOM LACKLY
Councilmember

Los Angeles County Waterworks District No. 40
Attn: Jonathan King
900 South Fremont Avenue
Alhambra, CA 91803

RE: Notice of Preparation for a Program Environmental Impact Report; North Los Angeles County/ Kern County Regional Recycled Water Master Plan

38300 Sierra Highway

Dear Mr. King:

Palmdale, CA 93550-4798

Thank you for the opportunity to provide input on the above referenced project. At this time, the City of Palmdale is not requesting any additional environmental analysis above that identified within the Notice of Preparation. We look forward to reviewing the Draft EIR when available.

Tel: 661/267-5100

If you have any questions regarding this matter, please contact Susan Koleda or me at (661) 276-5200.

Fax: 661/267-5122

Sincerely

Asoka Herath
Director of Planning

IDD: 661/267-5167

cc: Gordon Phair

*Auxiliary aids provided for
communication accessibility
upon 72 hours' notice and request*



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

STEPHEN R. MAGUIN
Chief Engineer and General Manager

November 27, 2007

File No.: 31-900.13.10J

Mr. Jonathan King
Los Angeles County Waterworks District No. 40
900 South Fremont Avenue
Alhambra, California 91803

Dear Mr. King:

North Los Angeles/Kern County Regional Recycling Water Master Plan

The County Sanitation Districts of Los Angeles County (Districts) received a Notice of Preparation of a Program Environmental Impact Report (PEIR) for the subject project on October 29, 2007. We offer the following comments:

1. The Districts recommend that the Notice of Preparation state in the first paragraph that the PEIR will address the construction of the pipeline network, pump stations, storage facilities, and impacts of recycled water uses excluding groundwater recharge and power plants. Potential impacts of groundwater recharge and power plants will be addressed in subsequent environmental documentation.
2. In the first paragraph on page 1, please make the following edit: "... the County Sanitation Districts Nos. 14 and 20 of Los Angeles County, ..."
3. In the fourth paragraph on page 2, please make the following edit: "The LWRP and PWRP are owned and operated by the Los Angeles County Sanitation Districts Nos. 14 and 20."
4. In the fourth paragraph on page 2, please make the following edit: "... suitable for use for beneficial uses such as landscape irrigation, industrial purposes, and groundwater recharge."
5. On page 4, the Districts recommend adding "construction and dust control" to the list of potential end users.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2770.

Very truly yours,

Stephen R. Maguin

Bryan T. Langpap
Supervising Engineer
Planning Section

BTL:BD:ld

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



DEC 05 2007

Mr. Jonathan King
Los Angeles County Waterworks District No. 40
900 S. Fremont Avenue
Alhambra, California 91803

Notice of Preparation of the Plan Draft Environmental Report for North Los Angeles and Kern County Regional Recycle Water Master Plan, East Branch California Aqueduct, Between Milepost 341.49 and Milepost 351.32, Southern Field Division, Los Angeles County, SCH 2007101125

Dear Mr. King:

Thank you for the opportunity to review and comment on the Notice of Preparation for the North Los Angeles/Kern County Regional Recycle Water Master Plan Draft Environmental Impact Report. The proposed project is the construction of a regional recycled water distribution system that would include backbone conveyance pipelines, storage reservoirs, and pump stations. Features of the proposed project include transmission and distribution of recycled water to end users in the Antelope Valley for landscape and agricultural irrigation, new power plant cooling water and groundwater recharge. The site is located within the City of Palmdale, the City of Lancaster, the Town of Rosamond and unincorporated communities within Los Angeles and Kern Counties.

Based on the preliminary information provided, potential encroachment from this development exists within Department of Water Resources (DWR) right of way. The Developer should be made aware of the need for an Encroachment Permit (EP) if their proposed development affects DWR land or facilities. An EP from DWR is required prior to start of any construction work in DWR right of way in accordance with water code section 12899. More information on obtaining an encroachment permit from DWR can be viewed at:

http://www.doe.water.ca.gov/Services/Real_Estate/Encroach_Rel/index.cfm

Please provide DWR with a copy of any subsequent environmental documentation when it becomes available for public review. Any future correspondence relating to DWR's concerns should be sent to:

Mr. Jonathan King

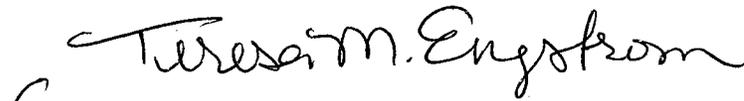
DEC 05 2007

Page 2

Banafsheh Behnam, Chief
Maintenance Engineering Section
Division of Operations and Maintenance
1416 Ninth Street, Room 649-2
Sacramento, CA 95814

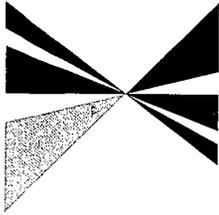
If you have any questions, please contact Banafsheh Behnam, Chief of the Maintenance Engineering Section, at (916) 653-0344 or James Rathke at (916) 654-5783.

Sincerely,



for Dave Samson, Chief
State Water Project Operations Support Office
Division of Operations and Maintenance

cc: State Clearinghouse
Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, California 95814



**ASSOCIATION of
GOVERNMENTS**

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818 West Seventh Street

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Los Angeles, California

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Los Angeles County: Yvonne B. Burke, Los Angeles County • Zev Yaroslavsky, Los Angeles County • Richard Alarcón, Los Angeles • Jim Aldinger, Manhattan Beach • Harry Baldwin, San Gabriel • Tony Cardenas, Los Angeles • Stan Carroll, La Habra Heights • Margaret Clark, Rosemead • Gene Daniels, Paramount • Judy Dunlap, Inglewood • Rae Gabelich, Long Beach • David Gafin, Downey • Eric Garcetti, Los Angeles • Wendy Greuel, Los Angeles • Frank Gurrell, Cudahy • Janice Hahn, Los Angeles • Isadore Hall, Compton • Keith W. Hanks, Azusa • José Huitzar, Los Angeles • Jim Jeffira, Lancaster • Tom LaBonge, Los Angeles • Paula Lantz, Pomona • Barbara Messina, Alhambra • Larry Nelson, Artesia • Paul Nowatka, Torrance • Pam O'Connor, Santa Monica • Bernard Parks, Los Angeles • Jan Perry, Los Angeles • Ed Reyes, Los Angeles • Bill Rosendahl, Los Angeles • Greig Smith, Los Angeles • Tom Sykes, Walnut • Mike Ten, South Pasadena • Tonia Reyes Uranga, Long Beach • Antonio Villaraigosa, Los Angeles • Destin Washburn, Calabasas • Jack Weiss, Los Angeles • Herb J. Wesson, Jr., Los Angeles • Dennis Zine, Los Angeles

Orange County: Chris Norby, Orange County • Christine Barnes, La Palma • John Beauman, Brea • Lou Gable, Tustin • Debbie Cook, Huntington Beach • Leslie Daigle, Newport Beach • Richard Dixon, Lake Forest • Troy Edgar, Los Alamitos • Paul Glaab, Laguna Niguel • Robert Hernandez, Anaheim • Sharon Quirk, Fullerton

Riverside County: Jeff Stone, Riverside County • Thomas Buckley, Lake Elsinore • Bonnie Flickinger, Moreno Valley • Ron Loveridge, Riverside • Greg Pettis, Cathedral City • Ron Roberts, Temecula

San Bernardino County: Gary Ovitt, San Bernardino County • Lawrence Dale, Barstow • Paul Eaton, Montclair • Lee Ann Garcia, Grand Terrace • Tim Jasper, Town of Apple Valley • Larry McCallon, Highland • Deborah Robertson, Rialto • Alan Wapner, Ontario

Ventura County: Linda Parks, Ventura County • Glen Becerra, Simi Valley • Carl Morehouse, San Buenaventura • Toni Young, Port Hueneme

Tribal Government Representative: Andrew Masiel, Sr., Pecharanga Band of Luiseño Indians

Orange County Transportation Authority: Art Brown, Buena Park

Riverside County Transportation Commission: Robin Lowe, Hemet

San Bernardino Associated Governments: Paul Leon

Ventura County Transportation Commission: Keith Millhouse, Moorpark

November 15, 2007

Mr. Jonathan King
Los Angeles County Waterworks District No. 40
900 S. Fremont Avenue
Alhambra, CA 91803

RE: SCAG Clearinghouse No. I 20070651 North Los Angeles/Kern County Regional Recycled Water Master Plan

Dear Mr. King:

Thank you for submitting the **North Los Angeles/Kern County Regional Recycled Water Master Plan** for review and comment. As areawide clearinghouse for regionally significant projects, SCAG reviews the consistency of local plans, projects and programs with regional plans. This activity is based on SCAG's responsibilities as a regional planning organization pursuant to state and federal laws and regulations. Guidance provided by these reviews is intended to assist local agencies and project sponsors to take actions that contribute to the attainment of regional goals and policies.

We have reviewed the **North Los Angeles/Kern County Regional Recycled Water Master Plan**, and have determined that the proposed Project is not regionally significant per SCAG Intergovernmental Review (IGR) Criteria and California Environmental Quality Act (CEQA) Guidelines (Section 15206). Therefore, the proposed Project does not warrant comments at this time. Should there be a change in the scope of the proposed Project, we would appreciate the opportunity to review and comment at that time.

A description of the proposed Project was published in SCAG's **October 16-31, 2007** Intergovernmental Review Clearinghouse Report for public review and comment.

The project title and SCAG Clearinghouse number should be used in all correspondence with SCAG concerning this Project. Correspondence should be sent to the attention of the Clearinghouse Coordinator. If you have any questions, please contact me at (213) 236-1857. Thank you.

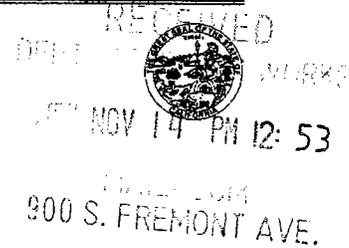
Sincerely,

LAVERNE JONES, Planning Technician
Program Development and Evaluation Division

Doc #141741

NATIVE AMERICAN HERITAGE COMMISSION

915 CAPITOL MALL, ROOM 364
 SACRAMENTO, CA 95814
 (916) 653-6251
 Fax (916) 657-5390
www.nahc.ca.gov
 ds_nahc@pacbell.net



November 6, 2007

Mr. Jonathan King
Los Angeles County Waterworks District No. 40
 900 S. Fremont Avenue
 Alhambra, CA 91803

Re: SCH# 2007101125: CEQA Notice of Preparation (NOP) draft Environmental Impact Report (DEIR) for North Los Angeles/Kern County Regional Recycled Water Master Plan; Los Angeles County, California

Dear Mr. King:

Thank you for the opportunity to comment on the above-referenced document. The California Environmental Quality Act (CEQA) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR per CEQA guidelines § 15064.5(b)(c). In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE),' and if so, to mitigate that effect. To adequately assess the project-related impacts on historical resources, the Commission recommends the following action:

- √ Contact the appropriate California Historic Resources Information Center (CHRIS). Contact information for the 'Information Center' nearest you is available from the State Office of Historic Preservation in Sacramento (916/653-7278). The record search will determine:
 - If a part or the entire (APE) has been previously surveyed for cultural resources.
 - If any known cultural resources have already been recorded in or adjacent to the APE.
 - If the probability is low, moderate, or high that cultural resources are located in the APE.
 - If a survey is required to determine whether previously unrecorded cultural resources are present.
- √ If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure.
 - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological information center.
- √ Contact the Native American Heritage Commission (NAHC) for:
 - * A Sacred Lands File (SLF) search of the project area and information on tribal contacts in the project vicinity who may have information on cultural resources in or near the APE. Please provide us site identification as follows: USGS 7.5-minute quadrangle citation with name, township, range and section. This will assist us with the SLF.
 - Also, we recommend that you contact the Native American contacts on the attached list to get their input on the effect of potential project (e.g. APE) impact. In many cases a culturally-affiliated Native American tribe or person will be the only source of information about the existence of a cultural resource.
- √ Lack of surface evidence of archeological resources does not preclude their subsurface existence.
 - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) §15064.5 (f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
 - Lead agencies should include in their mitigation plan provisions for the disposition of recovered artifacts, in consultation with culturally affiliated Native Americans.

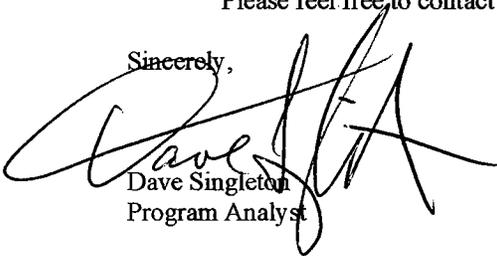
√ Lead agencies should include provisions for discovery of Native American human remains or unmarked cemeteries in their mitigations plans.

- CEQA Guidelines §15064.5(d) requires the lead agency to work with the Native Americans identified by this Commission if the Initial Study identifies the presence or likely presence of Native American human remains within the APE. CEQA Guidelines provide for agreements with Native American groups, identified by the NAHE, to ensure the appropriate and dignified treatment of Native American human remains and any associated grave goods.
- Health and Safety Code §7050.5, Public Resources Code §5097.98 and CEQA Guidelines §15064.5(d) mandate procedures to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery.

√ Lead agencies should consider avoidance, as defined in CEQA Guidelines §15370 when significant cultural resources are discovered during the course of project planning or execution.

Please feel free to contact me at (916) 653-6251 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dave Singleton', is written over the typed name and title.

Dave Singleton
Program Analyst

Attachment: Native American Contact List

**Native American Contacts
Los Angeles County
November 5, 2007**

Charles Cooke
32835 Santiago Road
Acton , CA 93510
(661) 269-1422
(661) 733-1812

Chumash
Fernandeno
Tataviam
Kitanemuk

LA City/County Native American Indian Comm
Ron Andrade, Director
3175 West 6th Street, Rm. 403
Los Angeles , CA 90020
(213) 351-5324
(213) 386-3995 FAX

Beverly Salazar Folkes
1931 Shadybrook Drive
Thousand Oaks , CA 91362
805 492-7255

Chumash
Tataviam
Fernandeno

Kitanemuk & Yowlumne Tejon Indians
Delia Dominguez
981 N. Virginia
Covina , CA 91722
(626) 339-6785
Yowlumne
Kitanemuk

San Manuel Band of Mission Indians
Henry Duro, Chairperson
26569 Community Center Drive
Highland , CA 92346
(909) 864-8933
(909) 864-3724 - FAX
(909) 864-3370 Fax

Serrano

San Fernando Band of Mission Indians
John Valenzuela, Chairperson
P.O. Box 221838
Newhall , CA 91322
tsen2u@msn.com
(661) 753-9833 Office
(760) 885-0955 Cell
(760) 949-1604 Fax
Fernandeno
Tataviam
Serrano
Vanyume
Kitanemuk

Fernandeno Tataviam Band of Mission Indians
Randy Guzman-Folkes, Cultural/Environ Depart
601 South Brand Boulevard, Suite 102
San Fernando , CA 91340
ced@tataviam.org
(818) 837-0794 Office
(805) 501-5279 Cell
(818) 837-0796 Fax

Fernandeno
Tataviam

San Manuel Band of Mission Indians
Ann Brierty, Environmental Department
101 Pure Water Lane
Highland , CA 92346
abrierty@sanmanuel-nsn.gov
(909) 863-5899 EXT-4321
(909) 862-5152 Fax

Serrano

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native American with regard to cultural resources for the proposed SCH#2007101125; CEQA Notice of Preparation (NOP); draft Environmental Impact Report (DEIR) for the North Los Angeles/Kern County Regional Recycled Water Master Plan; Los Angeles County Waterworks District No. 40;

APPENDIX C

INITIAL STUDY CHECKLIST

Draft

**NORTH LOS ANGELES/KERN COUNTY
REGIONAL RECYCLED WATER MASTER PLAN**
Initial Study

Prepared for:
Los Angeles County
Waterworks District 40

February 2008

Draft

**NORTH LOS ANGELES/KERN COUNTY
REGIONAL RECYCLED WATER MASTER PLAN**
Initial Study

Prepared for:
Los Angeles County
Waterworks District 40

February 2008

707 Wilshire Blvd.
Suite 1450
Los Angeles, CA 90017
213.599.4300
www.esassoc.com

Oakland

Petaluma

Portland

Sacramento

San Diego

San Francisco

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206359



ENVIRONMENTAL CHECKLIST

Initial Study

1. **Project Title:** North Los Angeles/Kern County Regional Recycled Water Master Plan
2. **Lead Agency Name and Address:** Los Angeles County
Waterworks District No. 40
900 South Fremont Avenue
Alhambra, California 91803
3. **Contact Person and Phone Number:** Jonathan King, (626) 300-3389
4. **Project Location:** Antelope Valley, California
5. **Project Sponsor's Name and Address:** N/A
6. **General Plan Designation(s):** Various
7. **Zoning Designation(s):** Various
8. **Description of Project:** See attached Project Description
9. **Surrounding Land Uses and Setting:** See attached Project Description

Environmental Factors Potentially Affected

The proposed project could potentially affect the environmental factor(s) checked below. The following pages present a more detailed checklist and discussion of each environmental factor.

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

DETERMINATION: (To be completed by Lead Agency)

On the basis of this initial study:

- 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, no further environmental documentation is required.

Signature

Date

Printed Name

For

Environmental Checklist

Aesthetics

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
1. AESTHETICS—Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 corridor?	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

- a) According to the *City of Palmdale General Plan*, *City of Lancaster General Plan*, *Los Angeles County General Plan*, and the *Kern County General Plan*, there are no designated scenic vistas in the project area. However, there are local roadways in the project area that could potentially serve as scenic routes (City of Lancaster, 2007). The Antelope Valley Freeway (State Route 14 (SR-14) runs north to south in the project area; portions of the proposed recycled water pipeline cross SR-14. SR-14 has not been officially designated as a scenic highway; however, it has been determined that the freeway has scenic value. SR-14 has long-range views of the San Gabriel Mountains, San Bernardino Mountains, and Tehachapi Mountains. The Lancaster General Plan also names Avenue M between SR-14 and 60th Street West as scenic, as it provides views of the San Gabriel Mountains. This area of Avenue M is near the proposed pipeline and one aboveground storage reservoir. The PEIR will evaluate the effects of the proposed project on scenic vistas and will develop mitigation measures, if necessary, to minimize impacts to scenic vistas.
- b) There are no official or eligible state scenic highways in the project area, as designated by the California Department of Transportation (Caltrans) under the California Scenic Highway Program (Caltrans, 2007). Accordingly, there are no associated state scenic corridors in the vicinity of the proposed project, which are defined as the land generally adjacent to and visible by motorists from a scenic highway. No scenic resources, such as rock outcroppings or historic buildings, would be affected by the proposed project. Therefore, there would be no impact.
- c) Construction of the proposed project would require the use of heavy equipment and storage of materials at construction sites. During construction, excavated areas, stockpiled soils, and other materials within the project corridor would constitute negative

aesthetic elements in the visual landscape. However, these effects would be temporary during project construction.

The proposed project includes the following permanent aboveground structures: three distribution pump stations, two booster pump stations, and four storage reservoirs. The placement of these facilities could significantly affect the character of the surrounding area. The PEIR will evaluate the potential impacts of aboveground project components on visual character and identify mitigation measures to reduce their visual impacts.

- d) The proposed project includes aboveground facilities that would need nighttime lighting for security purposes. The PEIR will evaluate this potential impact and develop mitigation measures to ensure placement of the lighting does not adversely affect nighttime views in the area or create glare.

References

California Department of Transportation (Caltrans). 2007. California State Scenic Highway Mapping System. Kern County. Available on-line at: http://www.dot.ca.gov/hq/LandArch/scenic_highways/index.htm. Accessed November 6, 2007.

City of Palmdale, *City of Palmdale General Plan*, adopted January 25, 1993.

City of Lancaster, *City of Lancaster 2020 General Plan*, adopted October 28, 1997; last revised January 28, 2003.

City of Lancaster, *Draft Master Environmental Assessment for General Plan 2030*, April 30, 2007.

Los Angeles County Department of Regional Planning, *Los Angeles County General Plan*, adopted November 25, 1980, last amended January 9, 1990.

County of Los Angeles, *Antelope Valley Areawide General Plan*, an element of the Los Angeles County General Plan, adopted December 4, 1986.

County of Kern, *Kern County General Plan*, approved June 15, 2004.

Agricultural Resources

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
2. AGRICULTURAL 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.				
Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland of Statewide Importance to non-agricultural use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

- a) None of the proposed aboveground features (storage reservoirs and pump stations) would be located on Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as designated by the California Department of Conservation, Farmland Mapping and Monitoring Program (FMMP). The proposed recycled water pipelines would be located within existing roadway right-of-ways. No important farmland would be converted to non-agricultural use as a result of the proposed project. Construction and operation of the storage reservoirs and pump stations would have no impact on farmland.
- b) The proposed recycled water pipelines would be constructed within the right-of-way of existing roadways. The proposed storage reservoirs and pump stations would not be located on land designated as important farmland by the FMMP. The PEIR will identify any land in the project vicinity that is under a Williamson Act contract or is zoned for agricultural use and will identify any conflicts with such zoning or Williamson Act contracts.
- c) The California Department of Conservation FMMP has designated lands in the project vicinity as Prime Farmland (CDC, 2007). Construction of the proposed pipeline could have a short-term, temporary affect on the use of adjacent neighboring farmland. The PEIR will evaluate this potential impact and develop mitigation measures to reduce impacts to farmland to less than significant levels if necessary.

References

California Department of Conservation (CDC), Farmland Mapping and Monitoring Program, FMMP Viewer via ESA portal, accessed November 9, 2007.

Air Quality

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>

Discussion

- a) The proposed project is located within the jurisdiction of the Antelope Valley Air Quality Management District (AVAQMD), which has the authority to regulate air pollutant emissions from stationary sources for all or portions of the Antelope Valley area. The following table provides the AVAQMD Air Quality Thresholds of Significance:

Air Pollutant	Project Operation and Construction (lbs/day) Thresholds of Significance
CO	548
VOC	137
NOx	137
SOx	137
PM10	82

SOURCE: AVAQMD, 2005, CEQA and Federal Conformity Guidelines, May, 2005

Construction activities for the proposed project may necessitate the use of machinery and methods that could have an affect on the air quality. The PEIR will evaluate the potential for project construction emissions to conflict with the air quality plan and will develop mitigation measures to minimize conflicts if necessary. Operation of the proposed project

would not generate emissions and would have no impact on implementation of the air quality plan.

- b/c/d) The proposed project is located in the Mojave Desert Air Basin (Basin) in an area characterized by suburban development, scattered single-family houses, and agriculture. The Basin is in non-attainment for state standards for ozone (O₃) and particulate matter (PM₁₀) (CARB, 2007).

Operation of the proposed project would not result in emissions that would affect air quality in the Basin or neighboring sensitive receptors. However, construction of the proposed project could result in substantial pollutant concentrations that could create new air quality violations or exacerbate existing air quality violations in the Basin and affect sensitive receptors. Therefore, the proposed project could have a potentially significant impact on air quality. This resource area will be discussed in the PEIR. Sensitive receptors near the project corridor will be identified, and mitigation measures will be developed to reduce impacts to air quality if necessary.

- e) Project-related construction activities could result in short-term emissions and associated objectionable odors from diesel vehicle exhaust. Due to the short-term nature of construction activities, odor impacts would be considered less than significant.

References

AVAQMD, *CEQA and Federal Conformity Guidelines*, May, 2005

California Air Resources Board (CARB), *2006 Area Designations for State Ambient Air Quality Standards*. Available on-line at <http://www.arb.ca.gov/desig/adm/adm.htm>. Accessed November 9, 2007.

Biological Resources

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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 U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

a/b/c/d/e/f) Based on a preliminary review of the California Department of Fish and Game (CDFG) California Natural Diversity Database (CNDDDB), the following special-status species and sensitive habitats could occur at or within the vicinity of the proposed project: Mojave ground squirrel, desert tortoise, burrowing owl, coastal California gnatcatcher, rare plants, and Joshua Tree Woodland. The PEIR will evaluate in detail the biological resources in the project vicinity, including special-status species and their habitat, riparian habitat, sensitive natural communities, and jurisdictional wetlands. In addition, the PEIR will identify local policies protecting biological resources, such as Joshua Trees, and identify the Habitat Conservation Plans (HCPs) and Natural Community Conservation Plans (NCCPs) that include the project area, such as the West Mojave Plan HCP. The PEIR will identify potential impacts to biological resources due to construction and operation of the proposed project. If necessary, mitigation measures will be developed to reduce impacts to biological resources to less than significant levels.

References

California Department of Fish and Game (CDFG) California Natural Diversity Database (CNDDDB), 2006.

U.S. Department of the Interior, Bureau of Land Management, California Desert District, *Final Environmental Impact Report and Statement for the West Mojave Plan*, January 2005.

Cultural Resources

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
5. CULTURAL RESOURCES— Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

a/b/c/d) According to the *Antelope Valley Areawide General Plan* (1986) and the *City of Lancaster 2020 General Plan* (2003), the project area has significant archeological history and sensitive prehistoric resources. The archeological areas with highest sensitivity are noted to be around Amargosa Creek, Rosamond Dry Lake, and the Little Rock Wash. The project area also includes important historic buildings, including mixed-vintage residences from the early and mid-20th century (City of Lancaster, 2003). Although portions of the proposed project would be installed in areas where most archaeological resources would have been recovered or destroyed during prior construction, there is the potential for construction activities, such as grading and excavation, to result in significant impacts to cultural resources. This resource area will be discussed in the PEIR, and mitigation measures will be developed to reduce impacts to less than significant levels.

References

County of Los Angeles, *Antelope Valley Areawide General Plan*, an element of the Los Angeles County General Plan, adopted December 4, 1986.

City of Lancaster, *City of Lancaster 2020 General Plan*, adopted October 28, 1997; last revised January 28, 2003.

Geology, Soils, and Seismicity

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
6. GEOLOGY, SOILS, AND SEISMICITY— 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion

a.i/ii/iii) The proposed project is located in a seismically active area. The project area includes the City of Palmdale, which is included on the California Geological Survey's Alquist-Priolo Earthquake Fault Zoning Map 4E for Los Angeles County (California Geological Survey, 2007). Rupture of a known earthquake fault could result in adverse effects to proposed facilities. Damage to pipelines, storage reservoirs, and pump stations could be expected as a result of groundshaking during a seismic event. Damage from earthquakes is often the result of liquefaction of alluvial soils underlying large rigid structures, such as storage reservoirs. Liquefaction occurs primarily in areas of recently deposited sands and silts and in areas of high groundwater levels.

The PEIR will describe in detail the existing seismic conditions in the project area and evaluate the potential effects of seismic events and seismic-related ground failure on proposed facilities. The PEIR will include mitigation measures, if necessary, to reduce the impact of seismic events on project facilities to less than significant levels. The

proposed project would be designed in accordance with Uniform Building Code (UBC) and California Building Code (CBC) requirements and current seismic design standards to minimize seismic impacts and to reduce the risk of damage caused by liquefaction.

- a.iv) The topography in the vicinity of the proposed project is generally flat; however, some of the proposed storage reservoirs may be built on hillsides. The PEIR will include mitigation measures, if necessary, to reduce the impact of landslides on project facilities. The proposed pipeline would be designed in accordance with UBC and CBC requirements and current design standards to reduce the risk of damage caused by landslides and minimize impacts to less than significant levels.
- b) The proposed project would result in land disturbance greater than one acre; therefore, the Lead Agency would be required to file a Notice of Intent with the State Water Resources Control Board (SWRCB) to comply with the National Pollution Discharge Elimination System (NPDES) General Permit for Discharges of Storm Water Associated with Construction Activity (GCP). In accordance with the NPDES GCP, the Lead Agency would be required to prepare and implement a Stormwater Pollution Prevention Plan (SWPPP) for the proposed project. The SWPPP would include an Erosion Control Plan to minimize soil erosion during construction and prevent soil from washing off the construction site into storm drains, drainage canals, creeks, streams and other natural habitats. Soil erosion and sediment control measures would reflect best management practices (BMPs) and could include, but not be limited to, sediment barriers and traps, silt basins, and silt fences. The impact of the proposed project on soil erosion would be considered less than significant.

In addition, according to the proposed project description, all soils removed or disturbed during excavation and grading during construction of the storage reservoirs and pump stations would be replaced prior to site restoration. The proposed pipeline would be installed under existing roadways and thus would not affect surface soils. The proposed project would not contribute to the loss of topsoil and the impact is considered less than significant.

- c) The proposed project is located in the Antelope Valley, which is located in the western portion of the Mojave Desert geomorphic province. The Antelope Valley is bounded partially by the San Gabriel Mountains to the southwest and the Tehachapi Mountains to the northwest. Erosional features such as broad alluvial basins that receive non-marine sediments from the adjacent uplands dominate the Mojave Desert region. The Antelope Valley is composed of thick deposits of alluvial and lacustrine materials (LACSD, 2005). The PEIR will describe the geologic units and soils in the project area and will determine the potential effects of the proposed project on soils, including the potential for landslides, lateral spreading, subsidence, liquefaction, or collapse.
- d) Expansive soils possess a shrink-swell characteristic that can result in structural damage over a long period of time. Expansive soils are largely comprised of silicate clays, which expand in volume when water is absorbed and shrink when dried. The PEIR will describe

the existing characteristics of the soils in the project area. The proposed facilities would comply with the UBC and CBD and current standards for the use or avoidance of expansive soil materials. Therefore, impacts related to expansive soils would be considered less than significant.

- e) The proposed project does not include construction of septic tanks or alternative wastewater disposal systems. There would be no impact.

References

California Geological Survey, California Department of Conservation, *Alquist Priolo Earthquake Fault Zones*, <http://www.consrv.ca.gov/cgs/rgm/ap/Pages/affected.aspx>, accessed December 16, 2007.

Sanitation Districts of Los Angeles County (LACSD), *Palmdale Water Reclamation Plant 2025 Facilities Plan & Final EIR*, September 2005.

Hazards and Hazardous Materials

<u>Issues (and Supporting Information Sources):</u>	<u>Potentially Significant Impact</u>	<u>Less Than Significant with Mitigation Incorporation</u>	<u>Less Than Significant Impact</u>	<u>No Impact</u>
7. 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

- a/b) Construction of the proposed project would require equipment that utilize hazardous materials such as petroleum fuels and oil. During construction activities, such hazardous materials could accidentally be spilled or otherwise released into the environment. Therefore, the proposed project could create a significant hazard to the environment or public due to hazardous materials. This resource area will be discussed in the PEIR, and mitigation measures will be developed to reduce impacts to less than significant levels by requiring construction contractors to follow BMPs.

Operation of the proposed project would not require routine transport, use, or disposal of hazardous materials or create a significant hazard due to accidental release of hazardous materials into the environment. The proposed project is a recycled water system including facilities to transport and store recycled water. The proposed project does not include treatment facilities that would require use of hazardous chemicals.

- c) No hazardous materials would be routinely used during operation of the proposed project. However, project construction would require use of hazardous materials as described above. The PEIR will identify the locations of schools and other sensitive receptors relative to the project components. If necessary, mitigation measures will be developed to reduce hazardous emissions or the potential for accidental release of hazardous substances during construction to less than significant levels.
- d) Government Code Section 65962.5 requires the California Environmental Protection Agency (Cal EPA) to develop and annually update the Hazardous Waste and Substances Sites (Cortese) List. The Cortese List is a planning document used by state and local agencies to comply with CEQA requirements in providing information about the location of hazardous materials release sites. The information contained in the Cortese List is provided by Cal EPA's Department of Toxic Substance Control (DTSC) and other state and local government agencies.

A preliminary search of the DTSC Cortese List database identified properties in the project vicinity and adjacent to the proposed recycled water pipeline corridor that are known hazardous waste sites (DTSC, 2007). The PEIR will evaluate the hazardous sites in the vicinity of the proposed project.

- e/f) Components of the proposed project are within two miles of airports, including Palmdale Regional Airport, Air Force Plant 42, and Edwards Air Force Base. The PEIR will include a review of applicable airport land use plans and evaluate the potential effects of the proposed project to public safety for people residing or working in the project area. If necessary, the PEIR will include mitigation measures to ensure the proposed project complies with applicable airport land use plans and reduce any potential hazards to public safety to less than significant levels.

- g) Construction of the proposed project would require transportation of equipment and materials that could interfere with emergency response or evacuation plans. Roadways could be temporarily blocked due to operation or storage of construction equipment and material deliveries, particularly during construction of the proposed pipeline. The effect of project construction on emergency response and evacuation plans will be discussed in the PEIR. Mitigation measures, such as a traffic control plan, will be developed to reduce impacts to less than significant levels.

- h) The project area is characterized by residential communities, agricultural operations, open space, and vacant lands. Some project components, including proposed storage reservoirs sites, are located near open spaces and the foothills of Angeles National Forest. Construction of the proposed project would require equipment and activities that use petroleum fuels and oil and could result in accidental spills leading to fire-related hazards. The PEIR will evaluate the potential for construction of the proposed project to accidentally result in wildland fires during project construction. Operation of the proposed project would not pose a risk to wildland fires. If necessary, the PEIR will develop mitigation measures to be implemented during project construction to reduce the risk of exposing people or structures to a significant risk of loss, injury or death due to wildland fires to less than significant levels.

References

State of California, Department of Toxic Substance Control (DTSC). 2007. Available on-line at: http://www.dtsc.ca.gov/SiteCleanup/Cortese_List.cfm. Accessed November 14, 2007.
 Site identified: John Alexander Research, Inc, 1753 Sierra Hwy, Rosamond CA 93560.

Hydrology and Water Quality

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
8. HYDROLOGY AND WATER QUALITY— Would the project:				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of a site or area through the alteration of the course of a stream or river, or by other means, in a manner that would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of a site or area through the alteration of the course of a stream or river or, by other means, substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 authoritative flood hazard delineation map?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j) Expose people or structures to a significant risk of loss, injury or death involving inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion

- a/f) During construction of the proposed project, excavated soils would have the potential to erode and be transported to down-gradient areas. This potential erosion/sedimentation may result in water quality standard violations. Operation of the proposed project would deliver recycled water to end users for various applications, including landscape irrigation and groundwater recharge. Such end uses could affect water quality of underlying groundwater aquifers. The PEIR will evaluate the potential for the proposed project to effect water quality standards for both surface water and groundwater and will develop mitigation measures to reduce project impacts to less than significant levels. Construction of the proposed project would be required to comply with the SWRCB NPDES GCP, including implementation of a SWPPP and Erosion Control Plan to protect surface water quality. Resulting impacts of project construction to surface water quality would be considered less than significant. Operation of the proposed project would be

- subject to conditions imposed by the Regional Water Quality Control Board (RWQCB) pursuant to Water Recycling Requirements (WRRs). Recycled water use associated with the proposed project would comply with the California Department of Public Health (formerly the Department of Health Services) recycled water regulations contained in Title 22 of the California Code of Regulations. Resulting impacts of project operation, including end uses, would be considered less than significant. The use of recycled water for groundwater recharge and cooling water at power plants will be evaluated at a program level in the PEIR. Subsequent CEQA documentation will fully evaluate the impacts of these end uses on surface and groundwater quality.
- b) The proposed project includes a recycled water distribution and storage system that would deliver recycled water to end users for various applications, including groundwater recharge. The PEIR will evaluate the effects of the proposed groundwater recharge at a program level. The proposed project would result in a direct net increase in aquifer volume due to the proposed groundwater recharge end use. The proposed project also would replace existing potable uses with recycled water, reducing demand for potable water. Therefore, the proposed project would have a beneficial impact on groundwater supplies and aquifer volume.
- c/d/e) The proposed project is not expected to substantially alter existing drainage patterns within the project area. The proposed project would not alter the drainage pattern of any stream or river. The recycled water pipelines would be installed within existing roadway right-of-ways; after construction, roadways would be restored to existing conditions. Construction of the proposed pump stations and storage resources may require excavation and light grading; however soils would be replaced and sites restored back to existing conditions to the extent feasible. The PEIR will evaluate the proposed pump stations and storage reservoirs at a program level. The design of the pump stations and storage reservoirs have not been determined but may include storm water drainage features to capture and transport storm water offsite. The size of these proposed aboveground project components are not large enough to contribute substantial additional sources of storm water or runoff. The resulting impact of the proposed project to erosion, siltation, flooding, and storm water runoff is expected to be less than significant.
- g/h/i) The Flood Insurance Rate Maps (FIRMs) produced by the Federal Emergency Management Agency indicate areas prone to flood hazards due to major storm events, including 100-year and 500-year flood zones. According to the FIRMs, the proposed project could place structures within 100-year and 500-year flood hazard areas (Los Angeles County, 2007). The PEIR will identify the flood hazard areas and develop mitigation measures to minimize the effect of flooding on the proposed facilities to less than significant levels.
- j) The proposed project site is approximately 40 miles from the Pacific Ocean. The proposed project would not expose people or structures to a significant risk of loss, injury, or death due to seiches or tsunamis. The proposed project would be located

primarily in areas characterized by flat topography except for possible low-lying hillside locations for proposed storage reservoirs. It is anticipated that the proposed project would not expose people or structures to a significant risk of loss, injury, or death due to mudflows.

References

Los Angeles County Department of Regional Planning, *Draft Preliminary General Plan*, Safety Element, June 28, 2007. Available online: <http://planning.lacounty.gov/spGPMMain.htm>

Land Use and Land Use Planning

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
9. LAND USE AND LAND USE 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

- a) The proposed project involves the construction of a recycled water pipeline, pump stations, and storage facilities. The pipeline would be entirely underground; the pump stations and storage facilities would be aboveground but are point features that would have no effect on the surrounding areas and would not divide an established community. There would be no impact.
- b) The proposed project is subject to the goals and policies of the Los Angeles County General Plan (1990), Kern County General Plan (2004), Los Angeles County Antelope Valley Areawide Plan (1986), City of Palmdale General Plan (1993), and City of Lancaster General Plan (2003). The PEIR will discuss all land use plans, policies, and regulations that apply to the proposed project. The proposed recycled water pipeline would be installed within the public right-of-way along existing roadways. The proposed pump stations and storage reservoirs would be located on parcels owned by public agencies. If necessary, mitigation measures will be developed to reduce impacts of the proposed project on land use to less than significant levels.

- c) The proposed project is within the boundary of the West Mojave Plan HCP (BLM, 2005). The PEIR will describe the West Mojave Plan HCP and identify any other HCPs or NCCPs that include the project area. The PEIR will identify potential conflicts with any HCPs or NCCPs and develop mitigation measures if necessary to avoid conflicts and reduce impacts to less than significant levels.

References

City of Palmdale, *City of Palmdale General Plan*, adopted January 25, 1993.

City of Lancaster, *City of Lancaster 2020 General Plan*, adopted October 28, 1997; last revised January 28, 2003.

Los Angeles County Department of Regional Planning, *Los Angeles County General Plan*, adopted November 25, 1980, last amended January 9, 1990.

Los Angeles County Department of Regional Planning, *Antelope Valley Areawide General Plan*, an element of the Los Angeles County General Plan, adopted December 4, 1986.

Kern County Planning Department, *Kern County General Plan*, approved June 15, 2004.

U.S. Department of the Interior, Bureau of Land Management (BLM), California Desert District, *Final Environmental Impact Report and Statement for the West Mojave Plan*, January 2005.

Mineral Resources

<u>Issues (and Supporting Information Sources):</u>	<u>Potentially Significant Impact</u>	<u>Less Than Significant with Mitigation Incorporation</u>	<u>Less Than Significant Impact</u>	<u>No Impact</u>
10. 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"/>

Discussion

- a/b) The California Department of Conservation, California Geological Survey (CGS) classifies the regional significance of mineral resources in accordance with the California Surface Mining and Reclamation Act of 1975 (SMARA). CGS designates Mineral Resource Zones (MRZs) that have regionally significant mineral deposits. The proposed project is not located within any designated MRZs (Los Angeles County, 2007; LACSD, 2005; Kern County, 2004). The closest MRZs to the project area is the Little Rock Creek Fan located at the southeast edge of the City of Palmdale. The proposed project would

have no impact on mineral resources. Mineral Resources will not be discussed further in the PEIR.

References

Sanitation Districts of Los Angeles County (LACSD), *Palmdale Water Reclamation Plant 2025 Facilities Plan & Final EIR*, September 2005.

Los Angeles County Department of Regional Planning, *Draft Preliminary General Plan, Open Space & Conservation Element*, June 28, 2007. Available online: <http://planning.lacounty.gov/spGPMain.htm>

Kern County Planning Department, *Kern County General Plan, Land Use, Conservation and Open Space Element*, approved June 15, 2004.

Noise

<u>Issues (and Supporting Information Sources):</u>	<u>Potentially Significant Impact</u>	<u>Less Than Significant with Mitigation Incorporation</u>	<u>Less Than Significant Impact</u>	<u>No Impact</u>
11. NOISE—Would the project:				
a) Result in 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Result in exposure of persons to, or generation of, excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan area, or, where such a plan has not been adopted, in an area within two miles of a public airport or public use airport, would the project expose people residing or working in the area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) For a project located in 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 checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

a/b/d) Construction of the proposed project would result in intermittent, temporary, elevated noise levels in and around the project area. Construction noise and vibration would result from operation of equipment and vehicles and would fluctuate depending on equipment

type, duration of use, and distance between the noise source and receptor. Construction of the proposed project would temporarily increase ambient noise and vibration levels at nearby sensitive receptors. Construction of the proposed project would be conducted in accordance with all local noise ordinances and standards. The PEIR will identify sensitive receptors in the project area, such as residences and schools, and develop mitigation measures to reduce the effects of construction noise and vibration to less than significant levels, if necessary

- c) Operation of the proposed recycled water pipelines and storage reservoirs would not generate any additional noise and would not result in a permanent increase in ambient noise levels in the project vicinity. Operation of the pump stations would generate noise periodically when pumps are running. The PEIR will develop mitigation measures to ensure that design of the pump station housing includes materials to buffer noise such that any increases in noise levels above existing levels do not exceed standards established by local noise ordinances and regulations.

- e/f) Components of the proposed project are within two miles of airports, including Palmdale Regional Airport, Air Force Plant 42, and Edwards Air Force Base. The PEIR will include a review of applicable airport land use plans and compatibility of the proposed project with such plans. As described above, the proposed project would not result in a significant permanent increase in noise levels and thus would not expose people living or working near airports to excessive noise levels. The impacts would be considered less than significant.

Population and Housing

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
12. 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 checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing housing units, 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"/>

Discussion

- a) The proposed project would not build new homes or businesses and would not have a direct impact on population growth in the project area.

Operation of the proposed project would result in the use of recycled water for end uses currently being served by potable water, such as landscape irrigation. The proposed project would effectively result in an increase in the available potable water supply due to the offset by recycled water use and thus could indirectly result in population growth. The potential growth inducing effects of the proposed project will be addressed in the PEIR in the **Growth Inducement** chapter. Population and Housing will not be addressed further in the PEIR.

It is expected that population growth in the project area will occur in accordance with planned and approved population growth projections in local planning documents, such as the Los Angeles County, Kern County, Palmdale, and Lancaster General Plans. The potable water made available due to the proposed project will be used to meet the needs of planned population growth. The PEIR will evaluate the proposed project's relationship with growth and secondary impacts of growth.

- b/c) The proposed project does not involve the construction or demolition of housing. Therefore, the proposed project would not displace people or housing, and there would be no impact.

Public Services

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
13. PUBLIC SERVICES— Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of, or the 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 following public services:				
i) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
v) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion

- a.i-v) Operation of the proposed project would result in the use of recycled water for end uses currently being served by potable water, such as landscape irrigation. The proposed project would reduce demand for potable water supply in the project area. The proposed

project would not require additional public services, such as fire protection, police protection, schools, or parks. There would be no impact to public services. Public Services will not be discussed further in the PEIR.

Recreation

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
14. RECREATION—Would the project:				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion

- a/b) Operation of the proposed project would result in the use of recycled water for end uses currently being served by potable water, such as landscape irrigation. The proposed project would reduce demand for potable water supply in the project area. The proposed project would not increase the use of existing neighborhood and regional parks or other recreational facilities. The proposed project would not require the construction of additional recreational facilities. The proposed project would have no impact on recreation. Recreation will not be discussed further in the PEIR

Transportation and Traffic

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
15. TRANSPORTATION AND TRAFFIC—Would the project:				
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location, that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., conflict with policies promoting bus turnouts, bicycle racks, etc.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

a/b/e/g) Construction of the proposed project would increase local traffic and result in temporary lane closures due to installation of the recycled water pipeline and due to the transport and delivery of construction equipment, materials, excavated soils, and backfill, and daily worker trips. Construction of the proposed project is not expected to require complete road closures. The PEIR will describe the existing traffic loads, capacities, level-of-service standards for roadways (e.g., SR-14), bus routes, and bike routes in the project vicinity. The PEIR will include mitigation measures, if necessary, to mitigate the effects of construction related traffic to less than significant levels.

c/d) The construction and operation of the proposed project would not affect air traffic patterns, levels, or locations. The proposed project would not alter current roadway designs. No impacts are expected.

f) Construction of the proposed project would create a temporary demand for parking for construction workers and construction vehicles. All temporary parking would be located at designated staging areas along the pipeline alignment and at pump station and storage reservoir locations. The number of parking spaces required would not be substantial.

Operation of the proposed project would require regular maintenance at the proposed pump stations and storage reservoirs. Parking spaces would be included in the design of pump station and storage reservoir facilities to accommodate maintenance vehicles. Impacts would be less than significant.

Utilities and Service Systems

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
16. UTILITIES AND SERVICE SYSTEMS—Would the project:				
a) Conflict with 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities, or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Require new or expanded water supply resources or entitlements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider that would serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

- a) The proposed project would convey and store recycled water produced at existing water treatment plants: the LWRP, PWRP, and RWWTP. The recycled water used by proposed end users would be disinfected tertiary treated effluent. Recycled water use associated with the proposed project would comply with the California Department of Public Health (formerly the Department of Health Services) recycled water regulations contained in Title 22 of the California Code of Regulations. In addition, the proposed project would be subject to conditions imposed by the Regional Water Quality Control Board (RWQCB) pursuant to Water Recycling Requirements (WRRs). The WRRs would cover the proposed end uses. The PEIR will describe in detail the applicable water quality regulations for recycled water. The proposed project would not conflict with any wastewater treatment regulations. The impact would be less than significant.
- b) The proposed project would convey and store recycled water produced at existing water treatment plants: the LWRP, PWRP, and RWWTP. The proposed project does not include construction of new treatment facilities. There would be no impact.
- c) The proposed project includes construction of five new pump stations and four new storage reservoirs. The exact location, footprint and design for each of these aboveground

- facilities has not been determined. Construction of these facilities could result in an increase in impervious surface area in the project vicinity and require the construction of new on-site storm water drainage features. The PEIR will evaluate the impact of these new facilities on storm water at a program level.
- d) The proposed project would convey and store disinfected tertiary-treated recycled water produced at the LWRP, PWRP and RWTTP. The LWRP and PWRP are owned and operated by the Los Angeles County Sanitation Districts (LACSD). The RWTTP is owned and operated by the Rosamond Community Services District (RCSD). Each of these facilities is in the process of being upgraded to provide 100 percent tertiary-treated effluent that is suitable for use for landscape irrigation. No new water resources or entitlements are required by the proposed project. There would be no impact.
- e) The proposed project would benefit LACSD and RCSD by providing beneficial uses for the effluent produced at their treatment plants. The proposed project is being designed with adequate capacity to handle the volume of effluent to be produced at the LWPR, PWRP, and RWTTP after the planned upgrades are completed. There would be no impact.
- f/g) The proposed project would require excavation and grading for installation of the recycled water pipeline, storage reservoirs, and pump stations. All soils removed or disturbed during excavation and grading during construction of the storage reservoirs and pump stations would be replaced prior to site restoration. However, installation of the recycled water pipeline would likely result in excess excavated soils. The PEIR will determine the approximate amount of excess soils to be produced during project construction. The PEIR will identify landfills in the project vicinity that have adequate permitted capacity to accept solid waste construction debris such as spoil soils. The PEIR will identify local, state, and federal regulations related to solid waste and determine appropriate mitigation measures, if necessary, to ensure the proposed project complies with such regulations.

Mandatory Findings of Significance

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
17. MANDATORY FINDINGS OF SIGNIFICANCE—Would the project:				
a) 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"/>

<i>Issues (and Supporting Information Sources):</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporation</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
b) Have impacts that would be 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

- a) The proposed project would implement the LACWWD40 Regional Recycled Water Master Plan, including recycled water pipelines, pump stations, and storage reservoirs. The recycled water pipelines would be installed within roadway right-of-ways. The exact location of the pump stations and storage reservoirs has not been determined. The PEIR will describe in detail the biological resources and cultural resources in the project area, including the biological and cultural resources at all potential locations for pump stations and storage reservoirs. The PEIR will develop mitigation measures, if necessary, to reduce any impacts of project construction and operation to biological and cultural resources to less than significant levels.
- b) The PEIR will identify a list of related projects in the project vicinity to determine whether or not the proposed project would have impacts that are individually limited but cumulatively considerable.
- c) Construction of the proposed project could result in substantial adverse effects, either direct or indirect, on human beings due to impacts to air quality, hazardous materials, noise, soils/seismicity and other resources. The PEIR will identify sensitive receptors in the project area and identify, if possible and if necessary, mitigation measures to reduce adverse effects to human beings to less than significant levels.

Operation of the proposed project is not expected to have substantial adverse effects on human beings. Operation of the proposed facilities would not directly affect public health or well being. Application of recycled water for the proposed end uses also would not affect public health or well being because all end uses would be in compliance with CDPH Title 22 regulations that dictate acceptable uses for disinfected tertiary-treated recycled water. The application of recycled water for groundwater recharge would be evaluated in the PEIR at a program level.

APPENDIX D

URBEMIS AIR QUALITY CALCULATIONS

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Documents and Settings\dsa\Application Data\Urbemis\Version9a\Projects\Lacwwd40 pipeline.urb924

Project Name: LACWWD40

Project Location: Los Angeles County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

Time Slice	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
1/1/2009-9/1/2009 Active Days: 174	18.43	94.69	45.76	0.05	0.17	5.20	5.36	0.06	4.78	4.84	9,703.79
Asphalt 01/01/2009-09/01/2009	13.99	56.75	26.79	0.04	0.16	3.33	3.48	0.05	3.06	3.11	6,025.74
Paving Off-Gas	7.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	3.39	20.13	10.59	0.00	0.00	1.74	1.74	0.00	1.60	1.60	1,418.81
Paving On Road Diesel	2.88	36.53	14.75	0.04	0.15	1.59	1.74	0.05	1.46	1.51	4,451.45
Paving Worker Trips	0.05	0.09	1.45	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.48
Trenching 01/01/2009-09/01/2009	4.44	37.93	18.97	0.00	0.01	1.87	1.88	0.00	1.72	1.72	3,678.05
Trenching Off Road Diesel	4.36	37.79	16.64	0.00	0.00	1.86	1.86	0.00	1.71	1.71	3,429.28
Trenching Worker Trips	0.08	0.14	2.32	0.00	0.01	0.01	0.02	0.00	0.01	0.01	248.77

Phase Assumptions

Phase: Trenching 1/1/2009 - 9/1/2009 - Default Trenching Description

Off-Road Equipment:

4 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 1/1/2009 - 9/1/2009 - Default Paving Description

Acres to be Paved: 509.09

Off-Road Equipment:

Page: 2

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- 1 Pavers (100 hp) operating at a 0.62 load factor for 8 hours per day
- 2 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Documents and Settings\dsa\Application Data\Urbemis\Version9a\Projects\lacwwd40 pump reservoir.urb924

Project Name: lacwwd40 reservoir pump

Project Location: Los Angeles County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 1/1/2009-1/30/2009 Active Days: 22	3.22	26.53	14.14	0.00	5.61	1.34	6.94	1.17	1.23	2.40	2,371.70
Mass Grading 01/01/2009-02/01/2009	3.22	26.53	14.14	0.00	5.61	1.34	6.94	1.17	1.23	2.40	2,371.70
Mass Grading Dust	0.00	0.00	0.00	0.00	5.60	0.00	5.60	1.17	0.00	1.17	0.00
Mass Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.16	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.39
Time Slice 2/2/2009-2/27/2009 Active Days: 20	3.22	26.53	14.14	0.00	5.61	1.34	6.94	1.17	1.23	2.40	2,371.70
Fine Grading 02/01/2009-03/01/2009	3.22	26.53	14.14	0.00	5.61	1.34	6.94	1.17	1.23	2.40	2,371.70
Fine Grading Dust	0.00	0.00	0.00	0.00	5.60	0.00	5.60	1.17	0.00	1.17	0.00
Fine Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.16	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.39

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Time Slice 3/2/2009-3/31/2009 Active Days: 22	2.19	12.82	9.14	0.00	0.01	1.10	1.11	0.00	1.01	1.01	1.01	1,214.65
Asphalt 03/01/2009-04/01/2009	2.19	12.82	9.14	0.00	0.01	1.10	1.11	0.00	1.01	1.01	1.01	1,214.65
Paving Off-Gas	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.08	12.55	7.05	0.00	0.00	1.09	1.09	0.00	1.00	1.00	1.00	979.23
Paving On Road Diesel	0.01	0.15	0.06	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	17.75
Paving Worker Trips	0.07	0.12	2.03	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.01	217.67
Time Slice 4/1/2009-4/1/2009 Active Days: 1	3.57	23.02	16.15	0.00	0.02	1.75	1.77	0.01	1.61	1.62	1.62	2,354.26
Asphalt 03/01/2009-04/01/2009	2.19	12.82	9.14	0.00	0.01	1.10	1.11	0.00	1.01	1.01	1.01	1,214.65
Paving Off-Gas	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.08	12.55	7.05	0.00	0.00	1.09	1.09	0.00	1.00	1.00	1.00	979.23
Paving On Road Diesel	0.01	0.15	0.06	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	17.75
Paving Worker Trips	0.07	0.12	2.03	0.00	0.01	0.01	0.02	0.00	0.00	0.01	0.01	217.67
Building 04/01/2009-06/01/2009	1.38	10.19	7.01	0.00	0.01	0.65	0.66	0.00	0.60	0.60	0.60	1,139.61
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	0.58	893.39
Building Vendor Trips	0.03	0.30	0.24	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	50.39
Building Worker Trips	0.06	0.11	1.83	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01	195.83
Time Slice 4/2/2009-4/30/2009 Active Days: 21	1.38	10.19	7.01	0.00	0.01	0.65	0.66	0.00	0.60	0.60	0.60	1,139.61
Building 04/01/2009-06/01/2009	1.38	10.19	7.01	0.00	0.01	0.65	0.66	0.00	0.60	0.60	0.60	1,139.61
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	0.58	893.39
Building Vendor Trips	0.03	0.30	0.24	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	50.39
Building Worker Trips	0.06	0.11	1.83	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01	195.83

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Time Slice 5/1/2009-6/1/2009 Active Days: 22	25.35	10.21	7.34	0.00	0.01	0.65	0.67	0.00	0.60	0.60	1,174.38
Building 04/01/2009-06/01/2009	1.38	10.19	7.01	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,139.61
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	893.39
Building Vendor Trips	0.03	0.30	0.24	0.00	0.00	0.01	0.01	0.00	0.01	0.01	50.39
Building Worker Trips	0.06	0.11	1.83	0.00	0.01	0.01	0.01	0.00	0.00	0.01	195.83
Coating 05/01/2009-06/01/2009	23.96	0.02	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.77
Architectural Coating	23.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.02	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.77

Phase Assumptions

Phase: Fine Grading 2/1/2009 - 3/1/2009 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 1.12

Maximum Daily Acreage Disturbed: 0.28

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 1/1/2009 - 2/1/2009 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 1.12

Maximum Daily Acreage Disturbed: 0.28

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

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1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 3/1/2009 - 4/1/2009 - Default Paving Description

Acres to be Paved: 0.28

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 4/1/2009 - 6/1/2009 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 5/1/2009 - 6/1/2009 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

APPENDIX E

BIOLOGICAL RESOURCES TECHNICAL REPORT

LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40 RECYCLED WATER MASTER PLAN PROJECT

BIOLOGICAL TECHNICAL REPORT

Prepared for

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June 11, 2008

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION.....	1
1.1 Project Location and Description	1
1.2 Regional Environmental Setting.....	1
2.0 SURVEY METHODOLOGIES.....	6
2.1 Literature Review	6
2.2 General Plant Surveys	6
2.3 General Wildlife Surveys.....	7
3.0 EXISTING BIOLOGICAL RESOURCES	7
3.1 Vegetation and Wildlife	7
3.1.1 Vegetation	7
3.1.2 Wildlife	9
3.2 Wildlife Movement.....	12
3.3 Special Status Biological Resources	14
3.3.1 Definitions of Special Status Biological Resources	14
3.3.2 Special Status Vegetation Types.....	15
3.3.3 Special Status Plants.....	16
3.3.4 Special Status Wildlife	16
3.3.5 Jurisdictional Resources.....	25
3.3.6 Other Sensitive Biological Resources.....	25
4.0 PROJECT IMPACTS	28
4.1 Introduction	28
4.2 Significance Criteria	28
4.3 Direct Impacts	30
4.3.1 Vegetation Type Impacts	30
4.3.2 Wildlife Impacts	30
4.3.3 Wildlife Movement Impacts.....	30
4.3.4 Jurisdictional Resource Impacts.....	31
4.3.5 Special Status Biological Resource Impacts	32
5.0 CUMULATIVE IMPACTS.....	33
6.0 MITIGATION	33
6.1 Regulatory Requirements	33
6.2 Mitigation Measures.....	34
7.0 LEVEL OF SIGNIFICANCE AFTER MITIGATION	36
8.0 REFERENCES.....	37

LIST OF TABLES

<u>Table</u>		<u>Page</u>
1	Special Status Plants Potentially Occurring in the Study Area	17
2	Special Status Wildlife Species Potentially Occurring in the Study Area	19

LIST OF EXHIBITS

<u>Exhibit</u>		<u>Page</u>
1	Regional Location	2
2	Local Vicinity	3
3	Illustrative Photos of Proposed Project Site	4
4	Illustrative Photos of Proposed Project Site	5
5	Regional Habitat Types	8
6	Significant Ecological Areas	27

APPENDIX

Appendix A Plant and Wildlife Compendia

1.0 INTRODUCTION

This Biological Technical Report has been prepared to support California Environmental Quality Act (CEQA) documentation for the proposed North Los Angeles / Kern County Recycled Water Master Plan. This information has been reported in accordance with accepted scientific and technical standards that are consistent with the requirements of the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Game (CDFG).

1.1 PROJECT LOCATION AND DESCRIPTION

The Los Angeles County Waterworks District No. 40 (LACWWD40) proposes the North Los Angeles/Kern County Recycled Water Master Plan Project (hereafter referred to as proposed project) to provide the primary backbone systems for distribution of recycled water to end users in the Antelope Valley. The project involves the construction of a regional recycled water distribution system that includes conveyance pipelines, storage reservoirs, and pump stations. The proposed project would be implemented in conjunction with the following partner agencies: the City of Lancaster, the City of Palmdale, the Rosamond Community Service District, the County Sanitation Districts Nos. 14 and 20 of Los Angeles County, Palmdale Water District, Antelope Valley-East Kern Water Agency (AVEK) and Quartz Hill Water District.

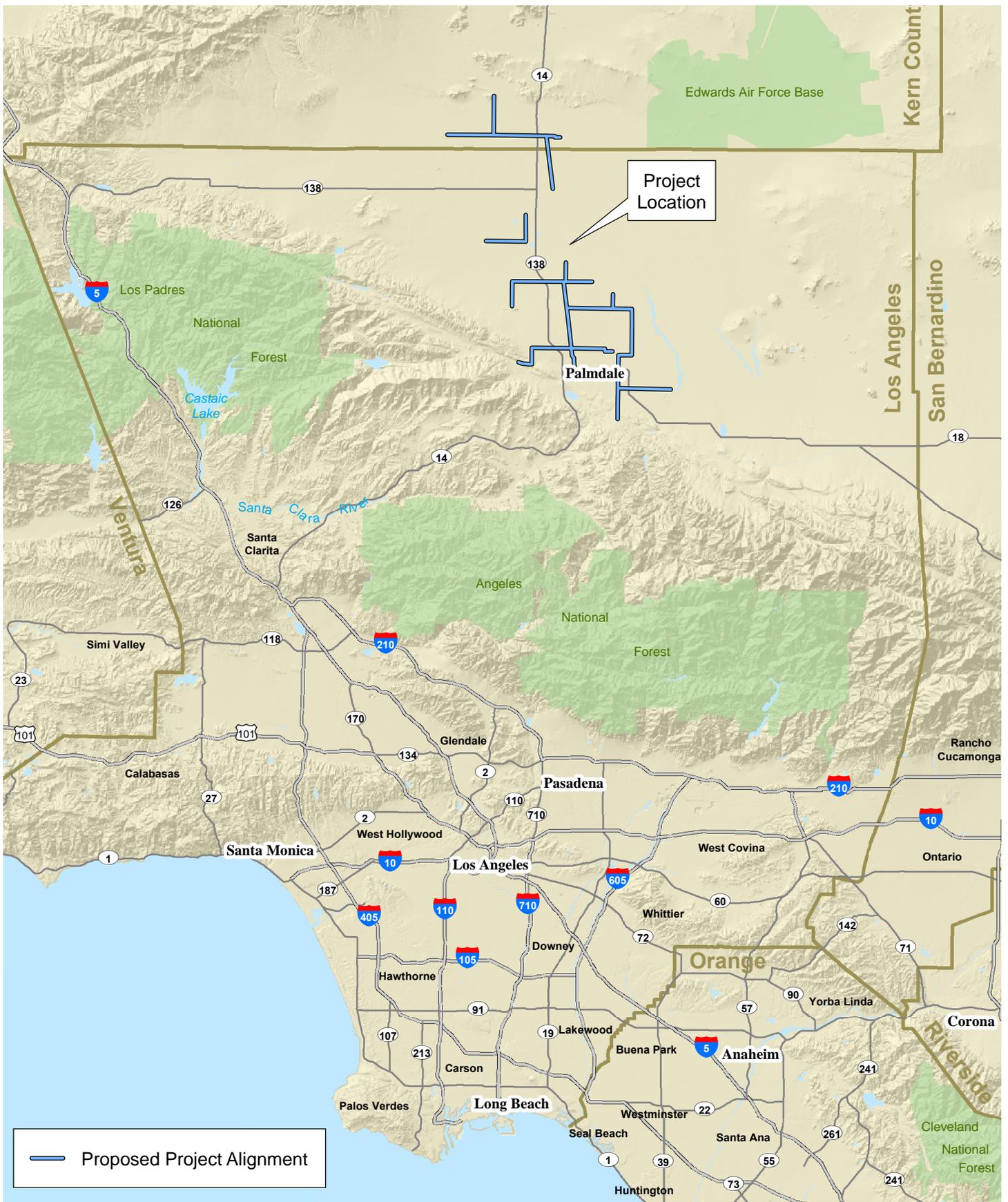
LACWWD40 proposes to develop and construct a recycled water system to serve the Antelope Valley Area in an attempt to reduce the present and future demands on its potable water supplies. The development of this recycled water resource is consistent with Chapter 7, Article 7, Section 13551 of the Water Reclamation Law as set forth in the California Water Code. LACWWD40 is the lead agency for the proposed project.

1.2 REGIONAL ENVIRONMENTAL SETTING

The proposed project would be located in the Antelope Valley at the western end of the Mojave Desert and is bordered on the south by the San Gabriel Mountains and on the northwest by the Tehachapi Mountains. Northeast of the proposed project is the Edwards Air Force Base. The northernmost components of the proposed project site are located in the Rosamond Hills. The proposed project then generally follows Highway 14 southward to the San Andreas Rift Zone at the base of the San Gabriel Mountains. The Cities of Palmdale and Lancaster are located in the southern parts, while the Town of Rosamond is in the northernmost part of the proposed project (Exhibits 1 and 2).

The proposed project site ranges in elevation from 2,300 feet on the valley floor to just over 3,000 feet in the vicinity of Palmdale at the base of the San Gabriel Mountains. Little Rock Creek wash flows to the north and drains into Rosamond Lake and is primarily a dry lake bed. Amargoso Creek flows eastward within the San Andreas Rift Zone before turning northward through the cities of Palmdale and Lancaster north to the Piute Ponds at southwest corner of Rosamond Dry Lake bed.

The proposed project study area includes a variety of residential, commercial, industrial, institutional, agricultural, and open space uses. Prominent among the various land uses in the proposed project study are the aerospace and agricultural industries (Exhibits 3 and 4).

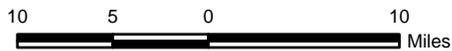


— Proposed Project Alignment

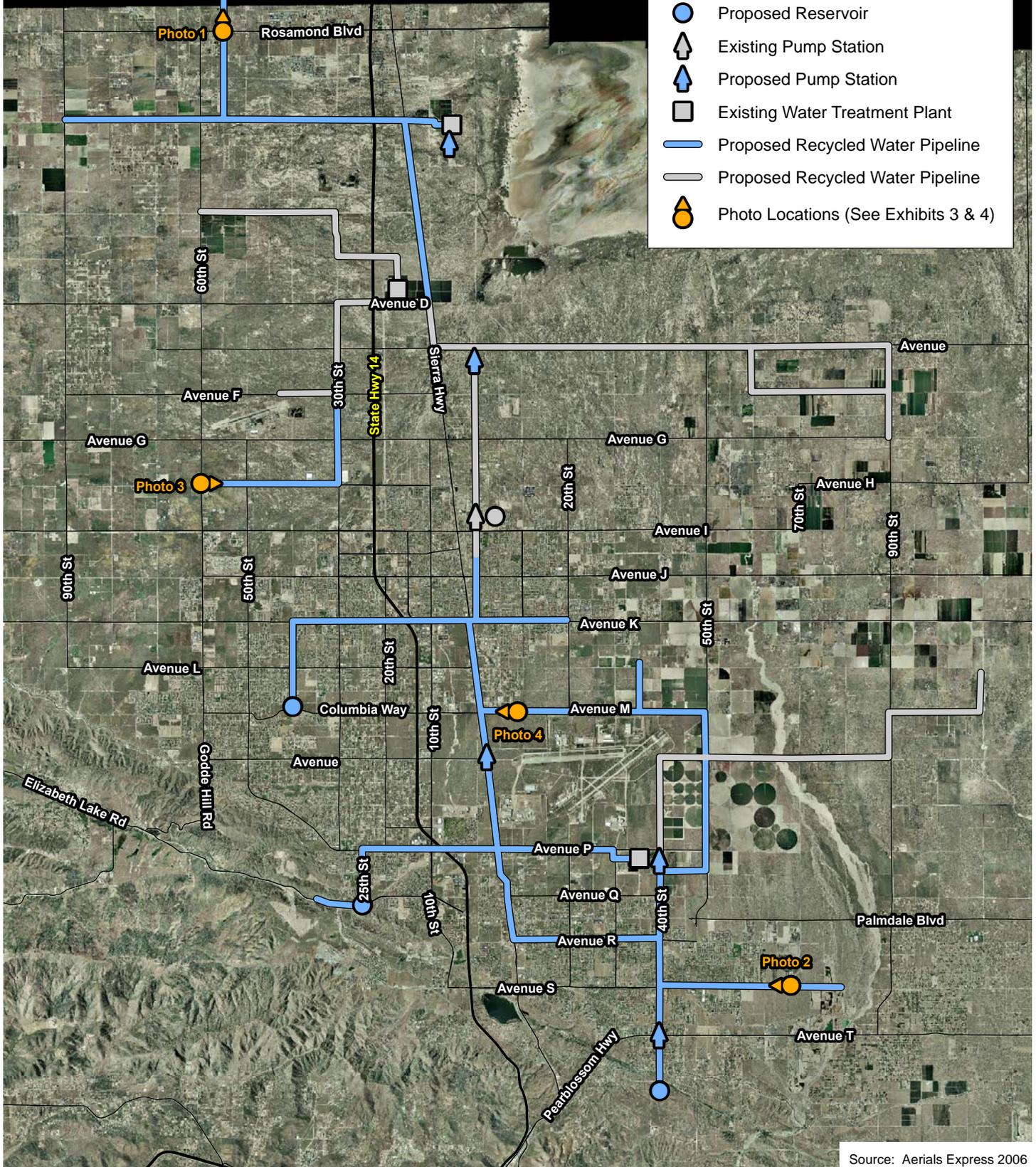
Regional Location

County of LA, WaterWorks Dist No 40 RFP for RWMP EIR

Exhibit 1



-No Aerial Photo-



- Existing Reservoir
- Proposed Reservoir
- ⬆ Existing Pump Station
- ⬆ Proposed Pump Station
- Existing Water Treatment Plant
- Proposed Recycled Water Pipeline
- Proposed Recycled Water Pipeline
- 📍 Photo Locations (See Exhibits 3 & 4)

Source: Aerials Express 2006

Local Vicinity

Exhibit 2

County of LA, WaterWorks Dist No 40 RFP for RWMP EIR





Photo 1: View North to Rosamond Blvd



Photo 2: View West on Ave. S

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Illustrative Photos of Proposed Project Site

Exhibit 3

County of LA, WaterWorks Dist No 40 RFP for RWMP EIR

Bonterra
CONSULTING

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Photo 3: View East at 90th St.



Photo 4: View West on Columbia Way

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Illustrative Photos of Proposed Project Site

Exhibit 4

County of LA, WaterWorks Dist No 40 RFP for RWMP EIR

Bonterra
CONSULTING

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2.0 SURVEY METHODOLOGIES

The data provided in this report are based on field observations from a general survey of the proposed project area conducted by BonTerra Consulting on January 30 and 31, 2008. In addition, other pertinent information was obtained from studies and other documentation prepared by biologists who have previously conducted research in the project vicinity. No focused surveys for special status or other sensitive biological resources were conducted due to the master-plan level of analysis and the lack of project specifics. The study area for the proposed project includes all project components and immediate surrounding areas as generally shown on Exhibit 2.

2.1 LITERATURE REVIEW

In order to evaluate the biological resources found within the study area, literature searches and database reviews were conducted. Available literature describing biological, geological, soils, and hydrologic resources within the region was examined. At a minimum, the literature examined included the following:

- U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle maps: Soledad Mountain, Bissell, Rosamond, Rosamond Lake, Lancaster West, Lancaster East, Ritter Ridge, and Palmdale;
- California Department of Fish and Game's (CDFG) California Natural Diversity Database (CNDDDB) record search for USGS 7.5-minute topographic quadrangle maps: Soledad Mountain, Bissell, Rosamond, Rosamond Lake, Lancaster West, Lancaster East, Ritter Ridge, and Palmdale (CDFG 2008);
- Los Angeles County Significant Ecological Area Study prepared by England and Nelson Environmental Consultants (1976) for Los Angeles County Department of Regional Planning and Environmental Systems Research Institute;
- Various literature specific to descriptions of the habitat, vegetation types, and special status species occurring in the project region (see References); and
- Aerial photographs (Aerial Express 2006).

2.2 GENERAL PLANT SURVEYS

Reconnaissance-level plant surveys were conducted along the proposed pipeline routes and within proposed new facility footprints (storage reservoirs and pump stations) on January 30 and 31, 2008 by BonTerra Consulting Botanist Andrea Edwards. The purpose of the surveys was to describe the vegetation present in the study area and evaluate the potential for the presence of special status species. All plant species observed were recorded in field notes and are listed in the appendix; the most prevalent species are mentioned in the vegetation descriptions below. Plant species were identified in the field or collected for later identification. Plants were identified using taxonomic keys in Hickman (1993) and Munz (1974). Taxonomy follows Hickman (1993) or current scientific journals for scientific and common names. Vegetation in the study area was classified into vegetation types based on the CDFG's List of California Terrestrial Natural Communities (CDFG 2003). It should be noted that the surveys were conducted during the winter following a regional drought, so most annual species were not observable and some shrubs could not be identified. General vegetation information for the remainder of the study area was gleaned from a variety of botanical sources (see References).

2.3 GENERAL WILDLIFE SURVEYS

A general survey of the study area for amphibians, reptiles, birds, and mammals was conducted simultaneously with the general survey of vegetation conducted on January 30 and 31, 2008. During the surveys, the proposed project study area was evaluated for its potential to support special status species that are known to occur or are expected to occur in the region. All species observed during the course of the surveys were documented in field notes and are listed in the Plant and Wildlife Compendia A. Active searches for reptiles and amphibians included lifting, overturning, and carefully replacing rocks and debris. Birds were identified by visual and auditory recognition. Surveys for mammals were conducted during the day and included searching for and identifying diagnostic sign, including scat, footprints, scratch-outs, dust bowls, burrows, and trails. Taxonomy and nomenclature for wildlife generally follows Stebbins (2003) for amphibians and reptiles, American Ornithologists Union (2007) for birds, and Baker *et al.* (2003) for mammals. All wildlife species observed were recorded in field notes and are mentioned in discussion below. General wildlife information for the remainder of the proposed project study area was gleaned from a variety of sources which describe regional biological resources.

3.0 EXISTING BIOLOGICAL RESOURCES

This section describes the biological resources that generally occur or potentially occur in the proposed project study area. Vegetation types, wildlife populations and movement patterns, special status vegetation types, and special status plant and wildlife species, either known to occur or potentially occurring in the proposed project study area, are discussed below.

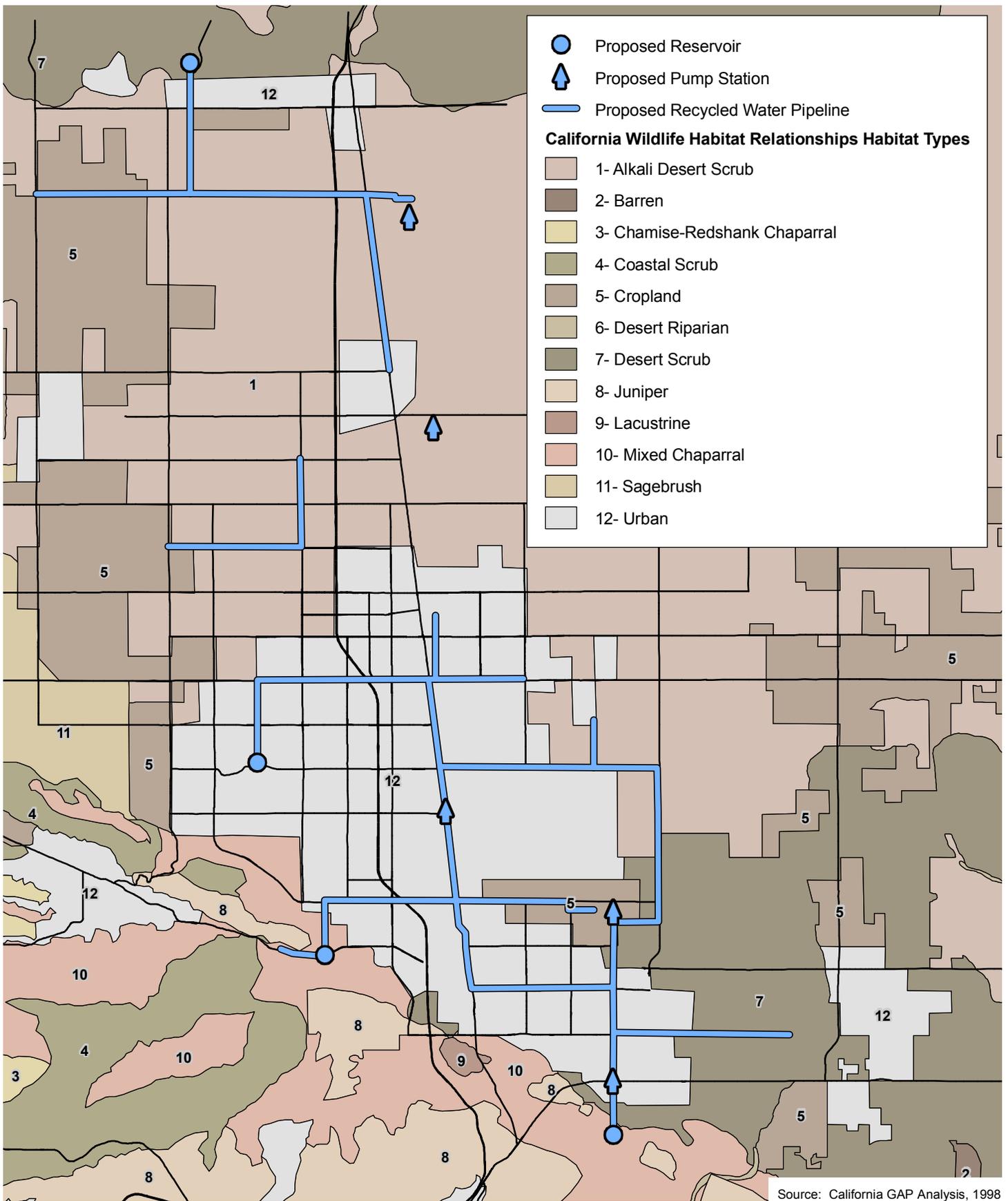
3.1 VEGETATION AND WILDLIFE

3.1.1 Vegetation

As noted in Exhibit 5, the following California Wildlife Habitat Relationships system general habitat types typically occur in the proposed project area: desert scrub, urban, cropland, alkali desert scrub, and mixed chaparral (CDFG 2002). Vegetation types observed within the proposed project area during the field surveys included several desert scrub habitats that mix and blend together throughout the study area: creosote bush scrub, Joshua tree woodland, rabbitbrush scrub, saltbush scrub, and California juniper scrub. Other vegetation types present included alkali meadow and grassland. Ruderal, agricultural, ornamental, disturbed, and developed areas were also present. A brief description of each of type/area is found below.

Creosote bush scrub was dominated by creosote bush (*Larrea tridentata*); other common species included Mormon tea (*Ephedra nevadensis*), burrobrush / cheesebush (*Hymenoclea salsola*), California buckwheat (*Eriogonum fasciculatum*), and great basin sagebrush (*Artemisia tridentata*). Joshua tree woodland was dominated by Joshua tree (*Yucca brevifolia*); other common species included California juniper (*Juniperus californica*) and Mormon tea. Rabbitbrush scrub was dominated by rubber rabbitbrush (*Chrysothamnus nauseosus*); other common species included fourwing saltbush (*Atriplex canescens*), burrobrush / cheesebush, great basin sagebrush, Mormon tea, and California buckwheat. Saltbush scrub was dominated by shadscale (*Atriplex confertifolia*), allscale (*Atriplex polycarpa*), and fourwing saltbush; other common species included great basin sagebrush. California juniper scrub was dominated by California juniper; other common species included Our Lord's candle (*Yucca whipplei*), antelope bush (*Purshia tridentata*), interior goldenbush (*Ericameria linearifolia*), creosote bush, Mormon tea, and California buckwheat.

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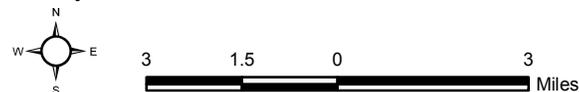


Source: California GAP Analysis, 1998

Regional Habitat Types

Exhibit 5

County of LA, WaterWorks Dist No 40 RFP for RWMP EIR



Ruderal areas have been impacted by past mechanical soil disturbance and were dominated by weedy native and non-native species, including tumbleweed (*Amaranthus albus*), annual bursage (*Ambrosia acanthicarpa*), long-beaked filaree (*Erodium botrys*), jimson weed (*Datura wrightii*), and brome grass (*Bromus* sp.). Agricultural fields either contained row crops or bare soil with irrigation systems in place. Ornamental areas have been landscaped with non-native species such as tamarisk (*Tamarix aphylla*), ornamental pine (*Pinus* sp.), sweetgum (*Liquidambar styraciflua*), and assorted hedges, turf grasses, and decorative flowerbeds. Disturbed areas have been recently impacted by mechanical soil disturbance and were generally devoid of any vegetation. Developed areas included rural residences and paved roadways, bicycle trails, and sidewalks.

Desert scrub vegetation types and the other areas mentioned above occurred along the proposed recycled water pipeline alignments. Storage Reservoir 1 is located within a private gated community and was therefore inaccessible; however, it appeared to contain saltbush scrub with some Joshua trees, along with ornamental and developed areas. Storage Reservoir 2 includes the Amargosa Creek riparian drainage that was generally devoid of vegetation and filled with sediment; the drainage was surrounded mainly by rabbitbrush scrub, with some Joshua trees present. Storage Reservoir 3 contained California juniper scrub and was recovering from recent wildfire. Storage Reservoir 4 contained creosote bush and saltbush scrubs.

Distribution Pump Station 1 contained saltbush scrub and an alkali meadow vegetation type with muddy clay soils and ponded water that was dominated by salt grass (*Distichlis spicata*); other common species included shadscale and rubber rabbitbrush. Distribution Pump Station 2 included the developed Palmdale Water Reclamation Plant with its open oxidation ponds, a grassland area dominated by barley (*Hordeum* sp.), and disturbed areas. This pump stations also included an inaccessible airport property that appeared to contain rabbitbrush scrub, either mowed grasslands or ruderal areas, and a small agricultural area.

Booster Pump Station 1 contained the developed Lockheed Martin complex and Joshua tree woodlands east of Sierra Highway, and rabbitbrush and creosote bush scrubs west of Sierra Highway. Booster Pump Station 2 is located at the intersection of 40th Street East and Pearblossom Highway; the northwest corner parcels contained ornamental and disturbed areas, with a small debris basin ringed with rabbitbrush scrub; the northeast corner parcels contained disturbed areas and rabbitbrush scrub with some Joshua trees; and, the southwest corner parcels contained disturbed areas and rabbitbrush scrub.

3.1.2 Wildlife

Wildlife habitats of the proposed project study area vary from low quality to high quality. High quality habitats are present where native habitat types are undisturbed and have connectivity to other open spaces areas. Native habitat types within the proposed project study area include chaparral habitats associated with the foothills of the San Gabriel Mountains located in the vicinity of Palmdale and desert scrub habitats (e.g., creosote bush scrub, Joshua tree woodland, rabbitbrush scrub, saltbush scrub, and California juniper scrub) of the valley floor that dominates northward of Palmdale. In addition, some riparian habitats of Amargosa Creek, especially west of Palmdale, provide high quality native habitats for wildlife. Non-native habitats generally provide low quality wildlife habitat; however, agricultural areas can provide high quality habitat for certain wildlife species (i.e., raptor foraging habitat discussed below). Note that the following discussions are limited to common or widespread wildlife species and does not include those considered to be special status species (see Section 3.3.4).

Amphibians

Amphibians require moisture for at least a portion of their life cycle and many require standing or flowing water for reproduction. Although most of the study area is dry for much of the year, a number of amphibian species occur or are expected to occur. These species are able to survive in dry areas by remaining beneath the soil in burrows or under logs or leaf litter, emerging only when temperatures are low and humidity is high. Many of these species' habitats are associated with water, and they emerge to breed once the rainy season begins. Soil moisture conditions can remain high throughout the year within some habitat types, depending on factors such as amount of vegetation cover, elevation, and slope aspect.

The valley floor from Palmdale northwards is expected to support a limited community of amphibians due to the general lack of water, but the chaparral habitats in the vicinity of Palmdale, and especially Amargosa Creek, are expected to support a more diverse assemblage of amphibian species. Desert scrub habitats on the valley floor from Palmdale northward may provide suitable habitat for red-spotted toad (*Bufo punctatus*). Amphibian species that may occur in the chaparral habitats in the vicinity of Palmdale include the western toad (*Bufo boreas*), black-bellied salamander (*Batrachoseps nigriventris*), and California (*Pseudacris [Hyla] cadaverina*) and Pacific (*Pseudacris [Hyla] regilla*) treefrogs. The introduced bullfrog (*Rana catesbeiana*) is also expected to occur throughout the proposed project study area wherever permanent or even semi-permanent surface water occurs.

Reptiles

Reptilian diversity and abundance typically varies with vegetation type and substrate characteristics. Many species occur in only one or two vegetation types; however, most will forage in a variety of habitats. Most species occurring in open areas use rodent burrows for cover and protection from predators and extreme weather conditions.

The desert scrub habitats of the valley floor of Palmdale northward provide potential habitat for a wide variety of lizards and snakes. The following lizards that may occur in these habitats of the proposed project study area include banded gecko (*Coleonyx variegatus*), desert iguana (*Dipsosaurus dorsalis*), common chuckwalla (*Sauromalus obesus*), Great Basin collared lizard (*Crotaphytus bicinctores*), long-nosed leopard lizard (*Gambelia wislizenii*), zebra-tailed lizard (*Callisaurus draconoides*), desert spiny lizard (*Sceloporus magister*), side-blotched lizard (*Uta stansburiana*), long-tailed brush lizard (*Urosaurus graciosus*), desert horned lizard (*Phrynosoma platyrhinos*), yucca night lizard (*Xantusia vigilis*), and western whiptail (*Cnemidophorus tigris*). Snake species that may occur include western blind snake (*Leptotyphlops humilis*), rosy boa (*Charina trivirgata*), spotted leaf-nosed snake (*Phyllorhynchus decurtatus*), coachwhip (*Masticophis flagellum*), western patch-nosed snake (*Salvadora hexalepis*), glossy snake (*Arizona elegans*), gopher snake (*Pituophis melanoleucus*), common kingsnake (*Lampropeltis getulus*), long-nosed snake (*Rhinocheilus lecontei*), western shovel-nosed snake (*Chionactis occipitalis*), night snake (*Hypsiglena torquata*), speckled rattlesnake (*Crotalus mitchelli*), Mojave rattlesnake (*Crotalus scutulatus*), and sidewinder (*Crotalus cerastes*).

The variety of lizard and snake species that inhabit the foothills of the San Gabriel Mountains near Palmdale are expected to differ from those found on the valley floor northward, though several species are expected to occur in both areas. Lizards that may occur in the chaparral habitats in the vicinity of Palmdale include western fence lizard (*Sceloporus occidentalis*), side-blotched lizard, western skink (*Eumeces skiltonianus*), Gilbert's skink (*Eumeces gilberti*), and southern alligator lizard (*Elgaria multicarinata*). Snakes that may occur include ring-necked snake (*Diadophis punctatus*), western yellow-bellied racer (*Coluber constrictor*), coachwhip, California whipsnake (*Masticophis lateralis*), glossy snake, gopher snake, common kingsnake, long-nosed snake, black-

headed snake (*Tantilla planiceps*), lyre snake (*Trimorphodon bisculatus*), night snake, and western rattlesnake (*Crotalis oreganus*).

Birds

A variety of bird species are expected to be residents in the proposed project study area, using the habitats throughout the year. Other species are present only during certain seasons. For example, the yellow-rumped warbler (*Dendroica coronata*) and white-crowned sparrow (*Zonotrichia leucophrys*) are common in the proposed project study area during the winter season and then migrate north in spring to breed north of region during the summer season.

Birds expected to be resident of the desert scrub habitats on the valley floor of the proposed project study area from Palmdale northward include California quail (*Callipepla californica*), greater roadrunner (*Geococcyx californianus*), ladder-backed woodpecker (*Picoides scalaris*), common raven (*Corvus corax*), verdin (*Auriparus flaviceps*), cactus wren (*Campylorhynchus brunneicapillus*), rock wren (*Salpinctes obsoletus*), and bewick's wren (*Thryomanes bewickii*). For the spring/summer breeding season, resident birds are joined by migratory species that arrive in spring and depart southward in fall. Migratory species expected to breed in the desert scrub habitats of the proposed project study area include lesser nighthawk (*Chordeiles acutipennis*), Costa's hummingbird (*Calypte costae*), ash-throated flycatcher (*Myiarchus cinerascens*), sage sparrow (*Amphispiza belli*), black-throated sparrow (*Amphispiza bilineata*), and Scott's oriole (*Icterus parisorum*).

The variety of resident bird species that inhabit the foothills of the San Gabriel Mountains near Palmdale are expected to differ from those found on the valley floor northward, though several species are expected to occur in both areas of the proposed project study area. Birds expected to be resident along Amargosa Creek or the chaparral habitats in the vicinity of Palmdale include the California quail, Nuttall's woodpecker (*Picoides pubescens*), western scrub jay (*Aphelocoma californica*), common raven, bushtit (*Psaltriparus minimus*), Bewick's wren, California thrasher (*Toxostoma redivivum*), California towhee (*Pipilo crissalis*), spotted towhee (*Pipilo maculatus*), and lesser goldfinch (*Carduelis psaltria*). Migratory species expected to breed in this portion of the proposed project study area include Black-chinned hummingbird (*Archilochus alexandri*), Costa's hummingbird, ash-throated flycatcher, black-chinned sparrow (*Spizella atrogularis*), and black-headed grosbeak (*Pheucticus melanocephalus*).

The non-native habitats of the proposed project study area include agricultural habitats that can provide high quality habitat for birds at all seasons. Depending on the stage of crop rotation, agricultural fields often provide an abundance of foraging opportunities for birds of prey (raptors). Prey for raptors can include mammals, birds, reptiles, and insects. The red-tailed hawk (*Buteo jamaicensis*) is a common year-round resident in the Antelope Valley that forages primarily on mammals. Another common year-round resident is the American kestrel (*Falco sparverius*), a small species of falcon, that forages on a variety of small prey from mammals to birds to reptiles, but will also take insects such as dragonflies. The agricultural fields during the winter season often support large flocks of wintering birds such as the horned lark (*Eremophila alpestris*), mountain bluebird (*Sialia currucoides*), American pipit (*Anthus rubescens*), red-winged blackbird (*Agelaius phoeniceus*), and western meadowlarks (*Sturnella neglecta*). These species can form large wintering flocks on agricultural fields and provide abundant prey for those raptors, particularly the larger falcon species that specialize in capturing birds. The Antelope Valley has long been known for supporting a high density and diverse assemblage of raptors during the winter season.

Mammals

The desert scrub habitats of the valley floor of Palmdale northward provide potential habitat for a wide variety of small ground dwelling mammals in this portion of the proposed project study area. Those species that may occur in these habitats of the proposed project study area include Crawford's desert shrew (*Notiosorex crawfordi*), desert cottontail (*Sylvilagus audubonii*), black-tailed jackrabbit (*Lepus californicus*), white-tailed antelope squirrel (*Ammospermophilus leucurus*), Botta's pocket gopher (*Thomomys bottae*), little pocket mouse (*Perognathus longimembris*), long-tailed pocket mouse (*Chaetodipus formosus*), desert pocket mouse (*Chaetodipus penicillatus*), chisel-toothed kangaroo rat (*Dipodomys microps*), Panamint kangaroo rat (*Dipodomys panamintinus*), Merriam's kangaroo rat (*Dipodomys merriami*), western harvest mouse (*Reithrodontomys megalotis*), cactus mouse (*Peromyscus eremicus*), deer mouse (*Peromyscus maniculatus*), canyon mouse (*Peromyscus crinitus*), and desert woodrat (*Neotoma lepida*).

The variety of small ground dwelling mammals that inhabit the foothills of the San Gabriel Mountains near Palmdale are expected to differ from those found on the valley floor northward, though several species are expected to occur in both areas of the proposed project study area. Species that may occur in the chaparral habitats in the vicinity of Palmdale include ornate shrew (*Sorex ornatus*), desert shrew, broad-footed mole (*Scapanus latimanus*), brush rabbit (*Sylvilagus bachmani*), desert cottontail, Merriam's chipmunk (*Tamias merriami*), California ground squirrel (*Spermophilus beecheyi*), Botta's pocket gopher, California pocket mouse (*Chaetodipus californicus*), agile kangaroo rat (*Dipodomys agilis*), western harvest mouse, cactus mouse, California mouse (*Peromyscus californicus*), deer mouse, brush mouse (*Peromyscus boylii*), pinyon mouse (*Peromyscus truei*), desert woodrat, and California vole (*Microtus californicus*).

Bats occur throughout most of southern California and a variety of species are expected to occur within the proposed project study area. Foraging is expected to occur throughout the proposed project study area, but potential roosting sites appear limited and include trees, mines, and buildings. Most of the bats that occur in the proposed project study area are either inactive during the winter (hibernate) or migrate south to warmer climates. Bats expected to forage in the proposed project study area include California myotis (*Myotis californicus*), western pipistrelle (*Pipistrellus hesperus*), big brown bat (*Eptesicus fuscus*), and the Brazilian free-tailed bat (*Tadarida brasiliensis*).

Larger mammals expected to occur within the proposed project study area include the coyote (*Canis latrans*), kit fox (*Vulpes macrotis*), gray fox (*Urocyon cinereoargenteus*), ringtail (*Bassariscus astutus*), raccoon (*Procyon lotor*), long-tailed weasel (*Mjustela frenata*), western spotted skunk (*Spilogale gracilis*), striped skunk (*Mephitis mephitis*), mountain lion (*Felis concolor*), and bobcat (*Felis rufus*), and mule deer (*Odocoileus hemionus*). The kit fox is the only one of these species that is restricted to the desert scrub habitats on the valley floor from Palmdale northward of the proposed project study area. Of the rest, only the coyote and western spotted skunk have the potential to occur throughout the proposed project study area.

3.2 WILDLIFE MOVEMENT

Wildlife corridors link together areas of suitable wildlife habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbance. The fragmentation of open space areas by urbanization creates isolated "islands" of wildlife habitat. In the absence of habitat linkages that allow movement to adjoining open space areas, various studies have concluded that some wildlife species, especially the larger and more mobile mammals, will not likely persist over time in fragmented or isolated habitat areas because they prohibit the infusion of new individuals and genetic information (MacArthur and Wilson 1967; Soule 1987; Harris and Gallagher 1989; Bennett 1990). Corridors mitigate the effects of this fragmentation by: (1) allowing animals to move

between remaining habitats, thereby permitting depleted populations to be replenished and promoting genetic exchange; (2) providing escape routes from fire, predators, and human disturbances, thus reducing the risk that catastrophic events, such as fire or disease, will result in population or local species extinction; and (3) serving as travel routes for individual animals as they move in their home ranges in search of food, water, mates, and other necessary resources (Noss 1983; Farhig and Merriam 1985; Simberloff and Cox 1987; Harris and Gallagher 1989).

Wildlife movement activities usually fall into one of three movement categories: (1) dispersal (e.g., juvenile animals from natal areas or individuals extending range distributions); (2) seasonal migration; and (3) movements related to home range activities (e.g., foraging for food or water, defending territories, or searching for mates, breeding areas, or cover). A number of terms such as "wildlife corridor", "travel route", "habitat linkage", and "wildlife crossing" have been used in various wildlife movement studies to refer to areas in which wildlife move from one area to another. To clarify the meaning of these terms and facilitate the discussion on wildlife movement in this analysis, these terms are defined as follows:

- *Travel route* – a landscape feature (such as a ridgeline, drainage, canyon, or riparian strip) within a larger natural habitat area that is used frequently by animals to facilitate movement and to provide access to necessary resources (e.g., water, food, cover, den sites). The travel route is generally preferred because it provides the least amount of topographic resistance in moving from one area to another. It contains adequate food, water, and/or cover while moving between habitat areas and provides a relatively direct link between target habitat areas.
- *Wildlife corridor* – a piece of habitat, usually linear in nature, that connects two or more habitat patches that would otherwise be fragmented or isolated from one another. Wildlife corridors are usually bounded by urban land areas or other areas unsuitable for wildlife. The corridor generally contains suitable cover, food, and/or water to support species and facilitate movement while in the corridor. Larger, landscape-level corridors, often referred to as "habitat or landscape linkages," can provide both transitory and resident habitat for a variety of species.
- *Wildlife crossing* – a small, narrow area, relatively short in length and generally constricted in nature that allows wildlife to pass under or through an obstacle or barrier that otherwise hinders or prevents movement. Crossings typically are manmade and include culverts, underpasses, drainage pipes, and tunnels to provide access across or under roads, highways, pipelines, or other physical obstacles. These often represent "choke points" along a movement corridor, which may impede wildlife movement and increase the risk of predation.

It is important to note that in a large open space area in which there are few or no man-made or naturally occurring physical constraints to wildlife movement, wildlife corridors as defined above may not yet exist. Given an open space area that is both large enough to maintain viable populations of species and provide a variety of travel routes (e.g., canyons, ridgelines, trails, riverbeds, and others), wildlife will use these "local" routes while searching for food, water, shelter, and mates and will not need to cross into other large open space areas. Based on their size, location, vegetative composition, and availability of food, some of these movement areas (e.g., large drainages and canyons) are used for longer lengths of time and serve as source areas for food, water, and cover, particularly for small- and medium-sized animals. This is especially true if the travel route is within a larger open space area. However, once open space areas become constrained and/or fragmented as a result of urban development or construction of physical obstacles such as roads and highways, the remaining landscape features or travel routes that connect the larger open space areas become corridors as long as they provide adequate space,

cover, food, and water, and do not contain obstacles or distractions (e.g., man-made noise, lighting) that would generally hinder wildlife movement.

Open space areas within the proposed project study area are highly fragmented by existing development. Prominent features that are expected to convey wildlife movement include the drainages, in particular Amargosa Creek and Little Rock Wash. Amargosa Creek follows the San Andreas Rift Zone to Palmdale where it turns to the north, essentially following State Highway 14, before draining into the Piute Ponds near Rosamond Lake. Amargosa Creek is severely fragmented by existing development in the Cities of Lancaster and Palmdale and not expected to support regional wildlife movement. Little Rock wash also moves north from the San Gabriel Mountains onto the Antelope Valley floor before draining into the Rosamond dry lake bed. Little Rock Wash is expected to support some regional wildlife movement as it is generally east of the Cities of Lancaster and Palmdale; however, the components of the proposed project fall outside of Little Rock Wash. In addition, the foothills of the San Gabriel Mountains are expected to support regional wildlife movement east and west and generally to the south of the proposed project components.

3.3 SPECIAL STATUS BIOLOGICAL RESOURCES

The following section addresses special status biological resources observed, reported, or that have the potential to occur in the project study areas. These resources include plant and wildlife species that have been afforded special status and/or recognition by federal and state resource agencies, as well as private conservation organizations. In general, the principal reason an individual taxon (i.e., species, subspecies, or variety) is given such recognition is the documented or perceived decline or limitations of its population size, geographic range, and/or distribution resulting in most cases from habitat loss. Tables 2 and 3 provide a summary of each special status plant and wildlife species known to occur in the project region including information on the status, likelihood for occurrence within the study area, and definitions for the various status designations. In addition, special status biological resources include vegetation types and habitats that are either unique, of relatively limited distribution in the region, or of particularly high wildlife value. These resources have been defined by federal, state, and local government conservation programs. Sources used to determine the special status of biological resources are as follows:

- California Native Plant Society's (CNPS) Electronic Inventory of Rare and Endangered Vascular Plants of California record search for USGS 7.5-minute topographic quadrangle maps: Soledad Mountain, Bissell, Rosamond, Rosamond Lake, Lancaster West, Lancaster East, Ritter Ridge, and Palmdale (CNPS 2008);
- Wildlife – California Wildlife Habitat Relationships Database System; CNDDB (CDFG 2008); various Federal Register notices from the USFWS regarding listing status of wildlife species; and List of Special Animals (CDFG 2008b).

3.3.1 Definitions of Special Status Biological Resources

A federally listed Endangered species is one facing extinction throughout all, or a significant portion of, its geographic range. A federally listed Threatened species is one likely to become endangered within the foreseeable future throughout all or a significant portion of its range. The presence of any federally listed Threatened or Endangered species on a project site generally imposes severe constraints on development, particularly if development would result in "take" of the species or its habitat. The term "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct. Harm in this sense can include any disturbance to habitats used by the species during any portion of its life history.

Proposed species are those officially proposed by the USFWS for addition to the federal Threatened and Endangered species lists. Because proposed species may soon be listed as Threatened or Endangered, these species could become listed prior to or during implementation of a proposed development project.

The State of California considers an Endangered species as one whose prospects of survival and reproduction are in immediate jeopardy, a Threatened species as one present in such small numbers throughout its range that it is likely to become an Endangered species in the near future in the absence of special protection or management, and a Rare species as one present in such small numbers throughout its range that it may become Endangered if its present environment worsens. The Rare species designation applies only to California native plants. State-listed Threatened and Endangered species are fully protected against take unless an incidental take permit is obtained from CDFG.

A California Species of Special Concern is an informal designation used by the CDFG for some declining wildlife species that are not State candidates. This designation does not provide legal protection but signifies that these species are recognized as special status by the CDFG.

Species that are California Fully Protected include those protected by special legislation for various reasons, such as the mountain lion and white-tailed kite. Fully Protected species may not be taken or possessed at any time.

A species that is considered a Special Animal is one that is tracked by the CNDDDB. Species of Local Concern are those that have no official status with the resource agencies, but are being watched because either there is a unique population in the region, or the species is declining in the region.

The CNPS is a resource conservation organization that has developed an inventory of California's special status plant species (CNPS 2008). This inventory is the summary of information on the distribution, rarity, and endangerment of California's vascular plants. This rare plant inventory is comprised of four lists. CNPS presumes that List 1A plant species are extinct in California because they have not been seen in the wild for many years. CNPS considers List 1B plants as rare, threatened, or endangered throughout their range. List 2 plant species are considered rare, threatened, or endangered in California but more common in other states. Plant species for which CNPS needs additional information are included on List 3. List 4 plant species are those of limited distribution in California whose susceptibility to threat appears low at this time.

3.3.2 Special Status Vegetation Types

In addition to providing an inventory of special status plant and wildlife species, the CNDDDB also provides an inventory of vegetation types that are considered special status by CDFG. Other habitats considered special status by local, state, and federal resource agencies are typically protected by ordinance, code, or regulation under which conformance typically requires a permit or other discretionary action prior to impacting the habitat. Also, all wetland and riparian vegetation types are also considered special status because the California Fish and Game Code, Section 1600, protects and conserves fish and wildlife resources by regulating substantial changes of the bed, channel, or bank of any river, stream, or lake; these areas are discussed below under Jurisdictional Resources. Special status vegetation types within the study area are considered a high priority for preservation.

Joshua tree woodlands, which occur in scattered locations throughout the proposed project area, are considered "rare and worthy of consideration by CNDDDB" according to CDFG (2003). Further, portions of the proposed project located within the City of Palmdale are under the jurisdiction of the

Palmdale Native Desert Vegetation Ordinance, which applies to all public and private property which contains Joshua trees or other desert vegetation including California juniper (Palmdale, City of, 1992). For development in these areas, a proposal application would be necessary, including a desert vegetation preservation plan which depicts the location of each Joshua tree and California juniper, details tree age and health, and describes which can be saved and maintained on the site or relocated. A permit must be obtained from the City's landscape architect prior to removal of protected vegetation.

Joshua tree and California juniper locations within the proposed project area that occur within the City of Palmdale include roughly the southern half of the proposed pipeline alignments. In addition, the Storage Reservoir 2 area contains some Joshua trees and California junipers, and the proposed Storage Reservoir 3 parcels are completely covered with California juniper scrub. Booster Pump Station 1 contains undeveloped parcels east of Sierra Highway that are completely covered with Joshua tree woodlands, and some Joshua trees also occur on the parcels west of the Sierra Highway. Finally, Booster Pump Station 2 contains a few Joshua trees located within the rabbitbrush scrub habitat.

3.3.3 Special Status Plants

Eleven (11) special status plant species are known to occur in the proposed project region (e.g., the Soledad Mountain, Bissell, Rosamond, Rosamond Lake, Lancaster West, Lancaster East, Ritter Ridge, and Palmdale USGS quadrangle maps). These plants and their potential to occur within the vicinity of the proposed project are listed in Table 2.

3.3.4 Special Status Wildlife

A total of 35 special-status wildlife species are known to occur or potentially occur in the proposed project study area. A list of these species as well as the potential for their occurrence within the proposed project study area is provided in Table 3.

**TABLE 1
SPECIAL STATUS PLANTS POTENTIALLY OCCURRING IN THE STUDY AREA**

Scientific Name /Common Name	Regulatory Status (Federal/State/CNPS)	Habitat and Regional Occurrence	Potential for Occurrence in Vicinity of Proposed Project
<i>Astragalus preussii</i> var. <i>laxiflorus</i> Lancaster milk-vetch	-/-List 1B.1	Found on alkaline flats in the southwest Mojave Desert (Munz 1974). Collected in 1991 and 1992 in project vicinity at southern portion of Edwards Air Force Base (UCJEPS 2008).	May occur; suitable habitat is present, especially at Distribution Pump Station 1.
<i>Calochortus striatus</i> alkali mariposa lily	-/-List 1B.2	Found at moist alkali places in desert habitats (Twisselmann 1995). Many occurrences documented during and after the 1980s in Lancaster, Rosamond Lake area, etc, often in desert scrubs along roads and railroad tracks in project vicinity (CDFG 2008).	May occur; suitable habitat is present throughout project area.
<i>Canbya candida</i> white pygmy-poppy	-/-List 4.2	Found on sandy soils (Twisselmann 1995) in creosote bush scrub and Joshua tree woodland in western Mojave Desert (Munz 1974). Reported in 1965 in Joshua tree woodland/saltbush scrub near Buckhorn Lake, Edwards Air Force Base (CDFG 2008).	May occur; suitable habitat is present throughout project area.
<i>Carex vulpinoidea</i> fox sedge	-/-List 2.2	Found in marshes, swamps, and riparian woodlands (CNPS 2008). Historical occurrence from 1902 near Lancaster (CDFG 2008).	Not expected to occur; no suitable habitat present.
<i>Chorizanthe parryi</i> var. <i>parryi</i> Parry's spineflower	-/-List 3.2	Found in dry sandy places, mostly in coastal sage scrub (Munz 1974); associated with openings in chaparral and coastal scrub (CNPS 2008). Historical occurrence from 1896 near Lancaster (CDFG 2008).	Not expected to occur; no suitable habitat present.
<i>Cymopterus deserticola</i> desert cymopterus	-/-List 1B.2	Found in creosote bush scrub and Joshua tree woodland in Mojave Desert (Munz 1974). Collected in 1950s in Kramer area to northeast of project vicinity and in 1970s in Boron area and northern portion of Edwards Air Force Base (UCJEPS 2008).	May occur; suitable habitat is present throughout project area.
<i>Eriophyllum mohavense</i> Barstow woolly sunflower	-/-List 1B.2	Found in sandy or rocky places in creosote bush scrub (Munz 1974). Reported in 1995 in saltbush scrub near Buckhorn Lake, Edwards Air Force Base (CDFG 2008).	May occur; suitable habitat is present throughout project area.
<i>Eschscholzia minutiflora</i> ssp. <i>twisselmannii</i> Red Rock poppy	-/-List 1B.2	Found on desert washes, flats, and slopes in western Mojave Desert (Hickman 1993). Reported in 1977 in project vicinity in creosote/saltbush scrub, Edwards Air Force Base (CDFG 2008).	May occur; suitable habitat is present throughout project area.
<i>Layia heterotricha</i> pale-yellow layia	-/-List 1B.1	Restricted to clay, usually the highly local beds of ultra-fine friable dry bog clay in the mountains (Twisselmann 1995). Historical occurrence from 1895 near Lancaster (CDFG 2008).	Not expected to occur; no suitable habitat present.

**TABLE 1 (Continued)
SPECIAL STATUS PLANTS POTENTIALLY OCCURRING IN THE STUDY AREA**

Scientific Name /Common Name	Regulatory Status (Federal/State/CNPS)	Habitat and Regional Occurrence	Potential for Occurrence in Vicinity of Proposed Project
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i> sagebrush loeflingia	-/List 2.2	Sand dunes and sandy flats in Mojave Desert (Hickman 1993). Reported in 2005 in southeast corner of proposed project area, in gravel quarry north of Pearblossom Highway (CDFG 2008).	May occur; suitable habitat is present throughout project area.
<i>Opuntia basilaris</i> var. <i>brachyclada</i> short-joint beavertail	-/List 1B.2	Dry slopes in Joshua tree woodlands on desert slopes of San Gabriel Mountains (Munz 1974). Reported in 1989 in southeast corner of proposed project area near Pearblossom Highway and in multiple locations in southwest corner of proposed project area near Elizabeth Lake Road, west of Palmdale (CDFG 2008).	May occur; suitable habitat is present throughout project area.
<p>LEGEND</p> <p>Federal (USFWS) FE Endangered FT Threatened FC Candidate</p> <p>State (CDFG) SE Endangered ST Threatened SR Rare</p> <p>California Native Plant Society (CNPS) List Categories List 1A Plants Presumed Extinct in California List 1B Plants Rare, Threatened, or Endangered in California and Elsewhere List 2 Plants Rare, Threatened, or Endangered in California But More Common Elsewhere List 3 Plants About Which We Need More Information – A Review List List 4 Plants of Limited Distribution – A Watch List</p> <p>California Native Plant Society (CNPS) Threat Code Extensions None Plants lacking any threat information .1 Seriously Endangered in California (over 80% of occurrences threatened; high degree and immediacy of threat) .2 Fairly Endangered in California (20–80% of occurrences threatened) .3 Not very Endangered in California (less than 20% of occurrences threatened or no current threats known)</p>			

**TABLE 2
SPECIAL STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING IN THE STUDY AREA**

Species	Status		Occurrence within study area	Potential for Occurrence in Proposed Project
	USFWS	CDFG		
Amphibians				
<i>Bufo californicus</i> arroyo toad	FE	SSC	Known to occur just outside study area within Little Rock Creek drainage; Critical Habitat upstream of Little Rock Reservoir.	Not expected to occur within vicinity of Proposed Project.
<i>Rana aurora draytonii</i> California red-legged frog.	FT	SSC	Known to occur in Amargosa Creek drainage; Critical Habitat near west end of pipeline alignment on Elizabeth Lake Road.	May occur in Amargosa Creek drainage segment of Proposed Project.
<i>Rana muscosa</i> mountain yellow-legged frog.	FE	SSC	Historical records in upper Little Rock Creek drainage just outside study area.	Not expected to occur within vicinity of Proposed Project.
Reptiles				
<i>Actinemys marmorata pallida</i> southwestern pond turtle	-	SSC	Amargosa and Little Rock Creeks provide potentially suitable habitat and within known range of species.	May occur in Amargosa Creek drainage segment of Proposed Project.
<i>Gopherus agassizii</i> Desert tortoise	FT	CT	Native habitats of study area provide potentially suitable habitat and within known range of species.	Not expected to occur within vicinity of Proposed Project due to disturbance and fragmentation of native habitats.
<i>Phrynosoma coronatum</i> [blainvillii population] coast [San Diego] horned lizard	-	SSC	Native habitats at base of San Gabriel Mountains provide potentially suitable habitat and within known range of species.	May occur within vicinity of Proposed Project components at base of San Gabriel Mountains.
<i>Uma scoparia</i> Mojave fringe-toed lizard	-	SSC	Native habitats with wind-blown sand (e.g. Little Rock Wash and Rosamond Lake) provide potentially suitable habitat and within known range of species.	Not expected to occur within vicinity of Proposed Project due to lack of suitable habitat.
<i>Anniella pulchra</i> Silvery legless lizard	-	SSC	Native habitats at base of San Gabriel Mountains provide potentially suitable habitat and within known range of species.	May occur within vicinity of Proposed Project components at base of San Gabriel Mountains.
<i>Salvadora hexalepis virgulata</i> coast patch-nosed snake	-	SSC	Native habitats at base of San Gabriel Mountains provide potentially suitable habitat and within known range of species.	May occur within vicinity of Proposed Project components at base of San Gabriel Mountains.
<i>Thamnophis hammondi</i> Two-striped garter snake	-	SSC	Amargosa and Little Rock Creeks provide potentially suitable habitat and within known range of species.	May occur within Amargosa Creek drainage segment of Proposed Project.

TABLE 2 (Continued)
SPECIAL STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING IN THE STUDY AREA

Species	Status		Occurrence within study area	Potential for Occurrence in Proposed Project
	USFWS	CDFG		
Birds				
<i>Pelecanus erythrorhynchos</i> American white pelican	–	SSC ¹	Known to occur during migration (rare in winter) in study area; requires open bodies of water for foraging; does not nest in region.	May occur for foraging within vicinity of Proposed Project where open bodies of water exist; not expected to nest within vicinity of Proposed Project.
<i>Phalacrocorax auritus</i> Double-crested cormorant	–	SSC ¹	Known to occur during migration and winter; requires open bodies of water for foraging; nests in region in vicinity of relatively large bodies of water, but not known to nest within study area.	May occur for foraging within vicinity of Proposed Project where open bodies of water exist; not expected to nest in vicinity of Proposed Project.
<i>Ixobrychus exilis</i> Least bittern	–	SSC ¹	Secretive species that is expected to be a rare visitor to study area; requires marsh habitats for foraging and nesting.	Not expected to occur within vicinity of Proposed Project due to lack of marsh habitats within vicinity of Proposed Project.
<i>Plegadis chini</i> White-faced ibis	–	SSC ¹	Known to occur in marsh habitats of study area; known rookery at Piute Ponds.	May occur for foraging within vicinity of Proposed Project where open bodies of water exist; not expected to nest due to lack of marsh habitats within vicinity of Proposed Project.
<i>Accipiter cooperii</i> Cooper's hawk	–	SSC ¹	Known to occur year-round within study area; requires groves of trees for nesting.	Expected to occur within vicinity of Proposed Project during migration and winter; expected to be rare in summer but may nest within vicinity of Proposed Project where groves of trees exist.
<i>Accipiter striatus</i> Sharp-shinned hawk	–	SSC ¹	Known to occur in migration and winter within study area; does not nest within study area.	Expected to occur within vicinity of Proposed Project during migration and winter; not expected to nest in vicinity of Proposed Project.
<i>Aquila chrysaetos</i> golden eagle	–	SSC ³	Known to occur for foraging throughout open spaces (native and non-native habitats) of study area; requires mountainous topography for nesting.	Expected to occur within vicinity of Proposed Project year-round; low potential to nest in foothill areas within vicinity of Proposed Project.
<i>Buteo regalis</i> Ferruginous hawk	–	SSC ²	Known to occur for foraging throughout open spaces (native and non-native habitats) of study area during migration and winter; nests to north of the region.	Expected to occur within vicinity of Proposed Project during migration and winter; not expected to nest within vicinity of Proposed Project.
<i>Buteo swainsoni</i> Swainson's hawk	–	ST ¹	Known to occur during migration within study area as rare migrant; requires groves of trees for nesting; rare nester within study area.	May occur within vicinity of Proposed Project during migration; may nest within vicinity of Proposed Project where groves of trees are present.

TABLE 2 (Continued)
SPECIAL STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING IN THE STUDY AREA

Species	Status		Occurrence within study area	Potential for Occurrence in Proposed Project
	USFWS	CDFG		
<i>Circus cyaneus</i> Northern harrier	–	SSC ¹	Known to occur throughout open spaces (native and non-native habitats) of study area year-round; rare in summer; marsh habitats within study area provide potentially suitable nesting habitat (i.e. Plute Ponds).	Expected to occur within vicinity of Proposed Project during migration and winter; may occur in summer; low potential to nest in vicinity of Proposed Project within habitats other than marsh habitats (i.e. dense ruderal fields).
<i>Elanus leucurus</i> White-tailed kite	–	FP ¹	Known to occur throughout open spaces (native and non-native habitats) of the study area year-round; requires groves of trees near agricultural areas for nesting.	Expected to occur year-round in vicinity of Proposed Project; may nest where groves of trees are present near agricultural areas in vicinity of Proposed Project.
<i>Falco columbarius</i> merlin	–	SSC ²	Known to occur for foraging throughout open spaces (native and non-native habitats) of study area during migration and winter; nests to north of the region.	Expected to occur within vicinity of Proposed Project during migration and winter; not expected to nest within vicinity of Proposed Project.
<i>Falco mexicanus</i> Prairie falcon	–	SSC ¹	Known to occur for foraging throughout open spaces (native and non-native habitats) of study area; requires mountainous topography for nesting.	Expected to occur within vicinity of Proposed Project year-round; low potential nest in foothill areas in vicinity of Proposed Project.
<i>Falco peregrinus anatum</i> American peregrine falcon	Delisted	SE ¹	Known to occur primarily as rare migrant to open spaces (native and non-native habitats) of study area; marsh habitats provide most suitable foraging habitat for this species within study area; requires cliffs or tall buildings (i.e., inaccessible ledges) for nesting.	Expected to occur within vicinity of Proposed Project as rare migrant; not expected to nest within vicinity of Proposed Project.
<i>Charadrius alexandrinus nivosus</i> Western snowy plover	FT*	SSC ¹	Known to occur during migration and summer (rare in winter) within study area; requires dry lake beds or ponds with sufficient edge for nesting (e.g. Lancaster sewage ponds, Plute Ponds, Rosamond Lake).	Expected to occur at ponds (e.g. Lancaster sewage ponds) within vicinity of Proposed Project; may nest at ponds (e.g. Lancaster sewage ponds) within vicinity of Proposed Project.
<i>Charadrius montanus</i> Mountain plover	–	SSC ²	Known to occur on agricultural fields during migration and winter within study area; nests north of the region.	Expected to occur on agricultural fields within vicinity of Proposed Project; not expected to nest within vicinity of Proposed Project.
<i>Numenius americanus</i> Long-billed curlew	–	SSC ¹	Known to occur on agricultural fields during migration and winter within study area; nests north of the region.	Expected to occur on agricultural fields within vicinity of Proposed Project; not expected to nest within vicinity of Proposed Project.
<i>Chlidonias niger</i> Black tern	–	SSC ¹	Known to occur during migration within study area; requires open bodies of water for foraging; nests north of the region.	Expected to occur within vicinity of Proposed Project where bodies of water are present; not expected to nest within vicinity of Proposed Project.

**TABLE 2 (Continued)
SPECIAL STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING IN THE STUDY AREA**

Species	Status		Occurrence within study area	Potential for Occurrence in Proposed Project
	USFWS	CDFG		
<i>Larus californicus</i> California gull	-	SSC ¹	Known to occur during migration and winter within study area; requires open bodies of water for foraging; nests north of the region.	Observed during survey; not expected to nest within vicinity of Proposed Project.
<i>Asio flammeus</i> short-eared owl	-	SSC ¹	Known to occur during migration and winter within study area; marsh habitats within study area provide potentially suitable nesting habitat (i.e. Piute Ponds).	Expected to occur within vicinity of Proposed Project during migration and winter; not expected to nest within vicinity of Proposed Project due to lack of marsh habitats.
<i>Asio otus</i> long-eared owl	-	SSC ¹	Known to occur year-round within study area; requires groves of trees and adjacent open space habitats for nesting.	May occur within vicinity of Proposed Project year-round; may nest within vicinity of Proposed Project where groves of trees exist.
<i>Athene cunicularia</i> Burrowing owl	-	SSC ³	Known to occur year-round within study area; requires burrows (usually provided by ground squirrels) in open habitats (e.g. grasslands or agriculture) or even semi-open habitats (e.g. sparse desert scrub) for nesting.	May occur within vicinity of Proposed Project year-round; may nest within vicinity of Proposed Project.
<i>Empidonax traillii extimus</i> Southwestern willow flycatcher	FE	SE ^{1,4}	Not known to occur within study area but migratory species with potential to occur for nesting where suitable habitat is present; requires willow riparian habitats for nesting (similar to least Bell's vireo).	May occur within vicinity of Proposed Project; potentially suitable nesting habitat in the Amargosa Creek drainage segment of Proposed Project.
<i>Lanius ludovicianus</i> Loggerhead shrike	-	SSC ¹	Known to occur year-round within study area; requires combination of open space habitats (both agriculture and native habitats) with trees or shrubs for nesting.	Observed during survey; may nest within vicinity of Proposed Project.
<i>Vireo bellii pusillus</i> Least Bell's vireo	FE	SE ¹	Known to occur during summer in Amargosa Creek west of Palmdale; requires willow riparian habitats for nesting.	May occur within vicinity of Proposed Project; potentially suitable nesting habitat in the Amargosa Creek drainage segment of Proposed Project.
<i>Vireo vicinior</i> Gray vireo	-	SSC ¹	Known to occur during summer near Valyermo; nesting habitat within study area consists of juniper and scrub habitats at base of San Gabriel Mountains for nesting.	May occur within Proposed Project components at base of San Gabriel Mountains.
<i>Toxostoma lecontei</i> Le Conte's thrasher	-	SSC	Known to occur year-round within study area; nesting habitat within study area consists of desert scrub especially where Joshua trees are present.	Expected to occur within vicinity of Proposed Project; may nest within vicinity of Proposed Project where valley floor supports native desert scrub habitats.

**TABLE 2 (Continued)
SPECIAL STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING IN THE STUDY AREA**

Species	Status		Occurrence within study area	Potential for Occurrence in Proposed Project
	USFWS	CDFG		
<i>Dendroica petechia brewsteri</i> western yellow warbler	-	SSC ¹	Known to occur as common migrant within study area; has potential to nest where suitable habitat is present on north slope of San Gabriel Mountains; requires willow riparian habitats for nesting.	Expected to occur as migrant and may occur for nesting within vicinity of Proposed Project; potentially suitable nesting habitat in the Amargosa Creek drainage segment of Proposed Project.
<i>Icteria virens</i> yellow-breasted chat	-	SSC ¹	Known to occur as common migrant within study area; has potential to nest where suitable habitat is present on north slope of San Gabriel Mountains; requires willow riparian habitats for nesting.	May occur as migrant and may occur for nesting within vicinity of Proposed Project; potentially suitable nesting habitat in the Amargosa Creek drainage segment of Proposed Project.
<i>Agelaius tricolor</i> tricolored blackbird	-	SSC	Known to occur as year-round resident within study area; has nested at Piute Ponds; nesting habitat within study area consists of marsh habitats with foraging in adjacent grasslands or agricultural fields.	Expected to occur for foraging within vicinity of Proposed Project in grassland and agricultural fields; not expected to nest within vicinity of Proposed Project due to lack of marsh habitats.
Mammals				
<i>Antrozous pallidus</i> pallid bat	-	SSC	Potentially suitable foraging and roosting habitat within study area and within known range of species.	May occur within vicinity of Proposed Project for foraging and roosting.
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	-	SSC	Potentially suitable foraging and roosting habitat within study area and within known range of species.	May occur within vicinity of Proposed Project for foraging and roosting.
<i>Spermophilus mohavensis</i> Mohave ground squirrel	-	ST	Native habitats provide potentially suitable habitat and study area within known range of species.	May occur within vicinity of Proposed Project where native habitats exist.
<i>Onychomys torridus ramona</i> Southern grasshopper mouse	-	SSC	Native habitats provide potentially suitable habitat and study area within known range of species.	May occur within vicinity of Proposed Project where native habitats exist.
<i>Taxidea taxus</i> American badger	-	SSC	Native habitats provide potentially suitable habitat and study area within known range of species.	May occur within vicinity of Proposed Project where native habitats exist.

**TABLE 2 (Continued)
SPECIAL STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING IN THE STUDY AREA**

Species	Status		Occurrence within study area	Potential for Occurrence in Proposed Project
	USFWS	CDFG		
LEGEND:				
Federal (USFWS)		State (CDFG)		
FE Endangered		SE Endangered		
FT Threatened		ST Threatened		
FC Candidate		SSC Species of Special Concern		
		FP Fully Protected		
SSC ¹ Only breeding activities are tracked by the CNDDB				
SSC ² Only wintering areas/habitat is tracked by the CNDDB				
SSC ³ Both breeding activities and wintering areas are tracked by the CNDDB				
SSC ⁴ State listing includes all subspecies				
T* Note that the federal listing as Threatened for the western snowy plover only pertains to that segment of the population that breeds along the Pacific coast.				

3.3.5 Jurisdictional Resources

Wetlands and permanent and intermittent drainages, creeks, and streams are generally subject to the jurisdiction of the USACE under Section 404 of the Federal Clean Water Act. By USACE definition, all aquatic or riverine habitats between the “ordinary high water mark” of rivers, creeks, and streams, are considered “waters of the United States” and may fall under USACE jurisdiction. If adjacent wetlands occur, the limits of jurisdiction extend beyond the ordinary high water mark to the outer edge of the wetlands. Wetlands are defined by USACE as “those areas that are inundated or saturated by surface or groundwater at a frequency or duration to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions” (USACE 1987). The presence and extent of wetland areas are normally determined by examination of the vegetation, soils, and hydrology of a site. The USACE definition of wetlands requires that all three wetland identification parameters be met.

Recent changes in USACE regulations have excluded isolated waters from requiring permits. Due to the lack of any navigable water ways, Antelope Valley regional offices have not been claiming jurisdiction over drainage features in the region. The current jurisdictional status should be determined through consultation with the USACE prior to project initiation

Streambeds are subject to regulation by the CDFG under Section 1602 of the California Fish and Game Code. A stream is defined under these regulations as a body of water that flows at least periodically or intermittently through a bed or channel having banks and that supports fish or other aquatic life. This definition includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation. CDFG jurisdiction typically extends to the edge of the riparian vegetation canopy.

After project designs are finalized and actual impact areas are decided, then exact locations and acreages of jurisdictional features within the impact areas can be determined through a jurisdictional delineation. Features identified during field surveys within the proposed project area that may potentially be jurisdictional include but are not limited to: along the proposed pipeline, located at the southwest corner of Division Road and Milling Street; along the proposed pipeline and at Storage Reservoir 2, Amargosa Creek riparian drainage and debris basin are located on the north side of Elizabeth Lake Road; existing culverts along the proposed pipeline on Rancho Vista Boulevard between 25th Street and 20th Street, on Avenue R east of Sierra Highway, and on 40th Street south of Avenue R; along the proposed pipeline where 40th Street (south of Pearblossom Highway) crosses the California Aqueduct; drainages vegetated with rabbitbrush and saltbush scrub in the two large southern-most parcels being considered for Storage Reservoir 3; alkali meadows at parcels being considered for Distribution Pump Station 1; and, a small existing debris basin next to residential development at a parcel being considered for Booster Pump Station 2. There may also be additional potentially jurisdictional drainage features which would be identified in a delineation survey.

3.3.6 Other Sensitive Biological Resources

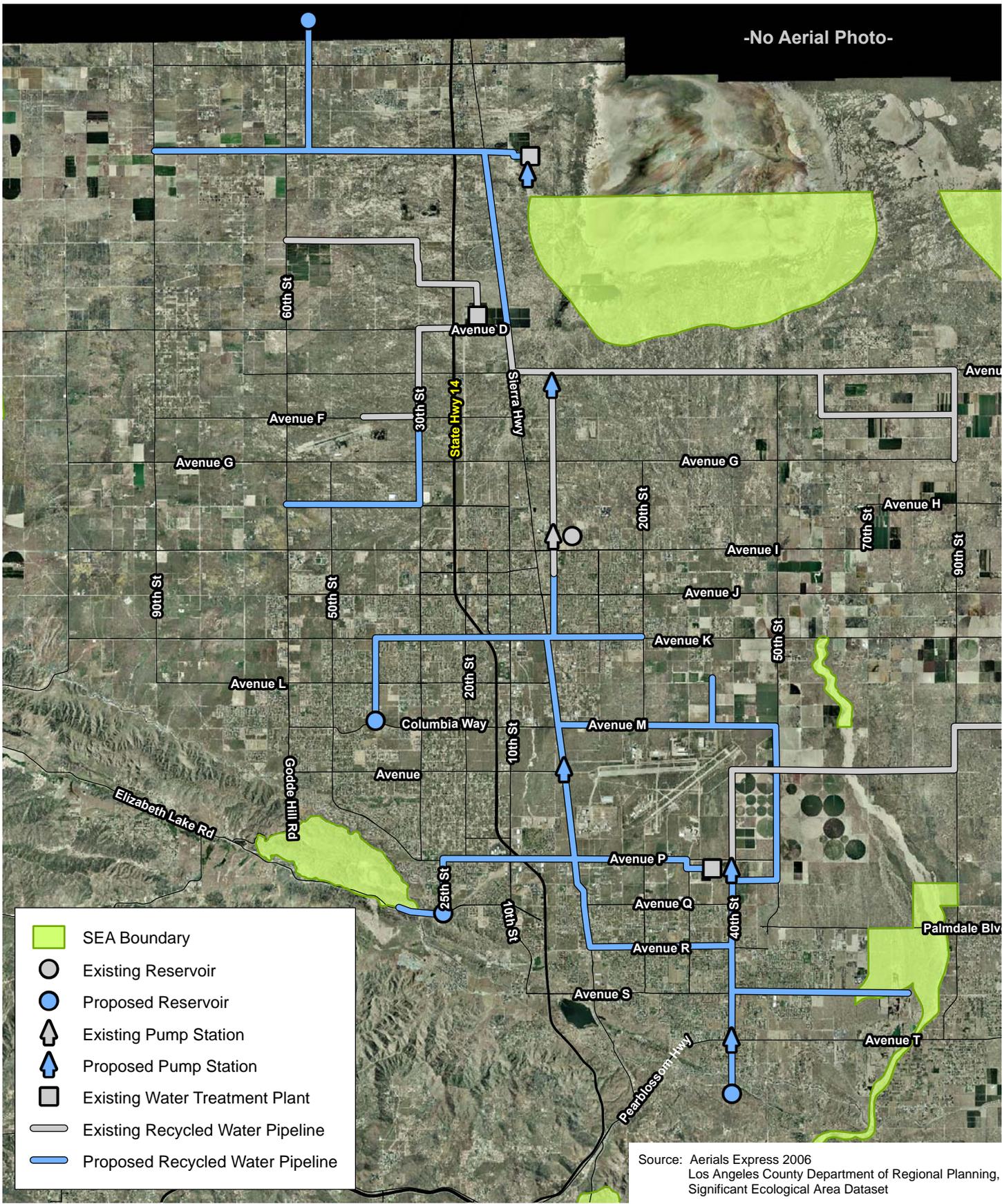
Within the proposed project study area, no regional Habitat Conservation Plans or Natural Community Conservation Plans have been adopted. However, some unincorporated portions of the service area are within Los Angeles County Significant Ecological Area (SEA) general plan designations, which indicate the presence of sensitive resources and require county environmental review.

The SEA program was originally adopted in the 1970s (England and Nelson 1976), but now the County of Los Angeles is currently reviewing the SEA program as part of the General Plan Update. Recommendations from the county's consulting biologist include some boundary revisions which

would group smaller SEAs into larger connected SEAs (PCR 2000). The proposed Antelope Valley SEA is in the vicinity and generally to the east of the proposed project study area (Exhibit 6). Although the proposed boundaries cover a considerably larger area, they generally contain the same resources that are present in the existing SEA boundaries. A revised general plan and SEA program is not expected to be adopted late 2008. The following is the description of the revised Antelope Valley SEA (PCR 2000).

Antelope Valley SEA. The proposed Antelope Valley SEA covers 222,325 total acres and encompasses a wide variety of topographic features. The orientation and extent of the proposed SEA recognizes the importance of the Little Rock and Big Rock Creek watershed contributions to the surface and subsurface hydrology of the Antelope Valley, and the desert dry lakes. It also encompasses the remaining undeveloped portions of Lovejoy Butte and all of Alpine, Piute, Black, and Saddleback Buttes. Outside of Los Angeles County jurisdiction, the functional area of the SEA extends into the Angeles National Forest along the southern margin and into Kern County to encompass the remainder of the dry lake playas and their watershed areas. At its southern edge the SEA includes the headwaters and important lower tributary drainages for Little Rock and Big Rock Creeks. This area supports healthy desert montane riparian habitats, typically with willow, cottonwood, and alder (along the creek channels) and open formations of western sycamore (on the alluvial plains). Where the washes approach the dry lakes (particularly Rosamond Dry Lake) sufficient subsurface water once existed supporting dense mesquite bosque formations and formed playa lakes, seasonal pools and sheet flows. While most of these unique features have been lost to land conversion or changes in groundwater levels, some of these formations persist around the margins of the lakes. Piute Ponds, on the southwestern margin of Rosamond Dry Lake, support freshwater marsh and alkali grassland habitat, providing essential wintering areas and resident habitat for waterfowl, wading birds, marshland birds, and a variety of other vertebrate species. The majority of the 222,325 acres proposed for the Antelope Valley SEA are within unincorporated Los Angeles County accounting for approximately 197,634 acres. Other jurisdictions within the SEA include: 9,887 acres within Angeles National Forest; 11,074 acres within the City of Palmdale; and 3,730 acres within the City of Lancaster.

-No Aerial Photo-



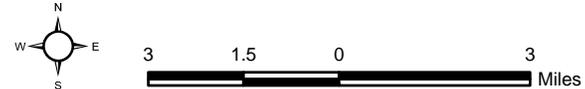
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Source: Aerials Express 2006
Los Angeles County Department of Regional Planning,
Significant Ecological Area Dataset

Significant Ecological Areas

Exhibit 6

County of LA, WaterWorks Dist No 40 RFP for RWMP EIR



4.0 PROJECT IMPACTS

4.1 INTRODUCTION

The determination of impacts in this analysis is based on the general area of proposed project study area and its components. Impacts on biological resources were evaluated including those that involve the initial loss of habitats due to grading, construction, and construction-related activities as well as those that would be related to impacts on the adjacent remaining habitat due to construction activities (e.g., noise, dust) or operation of the project (e.g., human activity, indirect lighting).

Biological impacts associated with the proposed project were evaluated with respect to the following special status biological issues:

- Federally- or state-listed Endangered or Threatened species of plant or wildlife;
- Streambeds, wetlands, and their associated vegetation;
- Habitats suitable to support a federally- or state-listed Endangered or Threatened species of plant or wildlife;
- Species designated as California Species of Special Concern or federal Species of Concern;
- Habitat, other than wetlands, considered special status by regulatory agencies (USFWS, CDFG, Los Angeles County) or resource conservation organizations; and
- Other species or issues of concern to regulatory agencies or conservation organizations (e.g., CNPS).

The actual and potential occurrence of these resources in the proposed project study area was correlated with the following significance criteria to determine whether the impacts of the proposed project on these resources would be considered significant.

4.2 SIGNIFICANCE CRITERIA

The environmental impacts relative to biological resources are assessed using impact significance criteria that mirror the policy contained in CEQA, Section 21001(c) of the California Public Resources Code. Accordingly, the State Legislature has established it to be the policy of the state to:

“Prevent the elimination of fish or wildlife species due to man’s activities, ensure that fish and wildlife populations do not drop below self-perpetuating levels, and preserve for future generations representations of all plant and animal communities...”

Determining whether a project may have a significant effect, or impact, plays a critical role in the CEQA process. According to CEQA, Section 15064.7, Thresholds of Significance, each public agency is encouraged to develop and adopt (by ordinance, resolution, rule, or regulation) thresholds of significance that the agency uses in the determination of the significance of environmental effects. A significance threshold is quantitative, qualitative, or performance level in relation to a particular environmental effect, that would normally be determined to be significant by the agency if the threshold is exceeded.

In the development of thresholds of significance for impacts to biological resources CEQA provides guidance primarily in Section 15065, Mandatory Findings of Significance, and the CEQA Guidelines, Appendix G, Environmental Checklist Form. Appendix G of the CEQA Guidelines is

more specific in addressing biological resources and encompasses a broader range of resources to be considered, including: candidate, sensitive, or special status species; riparian habitat or other sensitive natural communities; federally protected wetlands; fish and wildlife movement corridors; local policies or ordinances protecting biological resources; and, adopted habitat conservation plans. These factors are considered through the checklist of questions answered during the Initial Study process that is used to determine appropriate environmental documentation for a project (i.e., Negative Declaration, Mitigated Negative Declaration, or EIR). Because these questions are derived from standards in other laws, regulations, and other commonly used thresholds, we have used these standards as a basis for defining significance thresholds for this analysis. For each of the thresholds identified below, the section of CEQA upon which the threshold was derived has been provided. For the purpose of this analysis, impacts to biological resources are considered significant (before considering offsetting mitigation measures) if one or more of the follow conditions would result from implementation of the proposed project:

- 1 *If the project has 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 Game and Wildlife Service (CEQA Guidelines, Appendix G, IV. [a]).¹*
- 2 *If the project has 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 (CEQA Guidelines, Appendix G, IV. [b]).*
- 3 *If the project has 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 (CEQA Guidelines, Appendix G, IV. [c]).*
- 4 *If the project interferes substantially with the movement of any native or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impedes the use of native wildlife nursery sites (CEQA Guidelines, Appendix G, IV. [d]).*
- 5 *If the project conflicts with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance CEQA Guidelines, Appendix G, IV. [e]).*
- 6 *If the project conflicts with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan (CEQA Guidelines, Appendix G, IV. [f]).*

An evaluation of whether an impact on biological resources would result in a “substantial adverse effect” must consider both the resource itself and how that resource fits into a regional context. For the proposed project, the regional setting of the project includes the Antelope Valley.

For the purposes of the impact analysis, “substantial adverse effect” is defined as the loss or harm of a magnitude which, based on current scientific data and knowledge, would: (1) substantially

¹ Endangered and threatened species as used in this threshold are those listed by the USFWS and/or CDFG as Threatened or Endangered. Section 15380 of CEQA indicates that a lead agency can consider a non-listed species (e.g., CNPS List 1B plants) to be Endangered, Rare, or Threatened for the purposes of CEQA if the species can be shown to meet the criteria in the definition of rare or endangered. For the purposes of this discussion, the current scientific knowledge on the population size and distribution for each special status species was considered in determining if a non-listed species met the definitions for rare and endangered according to Section 15380 of CEQA.

diminish population numbers of a species or distribution of a habitat type within the region; or
(2) eliminate the functions and values of a biological resource in the region.

4.3 DIRECT IMPACTS

4.3.1 Vegetation Type Impacts

Within the proposed project study area, the precise location of vegetation types has not been delineated and the precise location of project impacts has not been determined. Based on general information regarding the vegetation occurring in the proposed project study area, it is assumed that much of the proposed project would be located in areas not supporting native vegetation (i.e., developed areas or roads within Lancaster and Palmdale). However, the project area includes extensive desert scrub habitats that may also be impacted depending on the final project design. Installation of the proposed recycled water pipelines will occur generally within the existing roadway rights-of-way where feasible, but some soil removal will be necessary. Most pipeline impacts are expected to occur within areas along existing roadways that do not support native vegetation (ornamental plantings, ruderal weedy patches, disturbed dirt shoulders, developed roadways and sidewalks, etc.). However, depending on final designs, the proposed pipeline construction could impact minor amounts of native desert scrub vegetation adjacent to the roadways.

Construction of proposed storage reservoirs and pump stations will likely present a greater impact to native vegetation, but the type and extent must be determined after the final parcel selection is complete. Small impacts to common vegetation types would probably be less than significant due to the abundance of common vegetation types in the region. Impacts on special status vegetation types are discussed below in Section 4.3.5 of this report.

4.3.2 Wildlife Impacts

The following discussion of wildlife impacts focuses on the common species occurring in the proposed project study area. Impacts on special status wildlife species are discussed separately in Section 4.3.5 of this report.

Due to the lack of site specific information for the construction of the various proposed project components and the known presence of wildlife in the region in general, it is assumed that wildlife would be impacted to some degree. Most impacts to wildlife would be associated with the construction and operation of the storage reservoirs and pump stations located in undeveloped areas. It can be assumed that each storage reservoir would result in approximately one-half to one acre of permanent habitat disturbance, depending on the site characteristics and the size of the reservoir. Construction of the pipelines would occur generally within the existing roadway right-of-way where feasible, but some impact to adjacent open space habitats would be expected. At the scale of the whole proposed project, some temporary and permanent loss of native wildlife habitat, including direct mortality of wildlife, and fragmentation of existing wildlife habitat is expected. These impacts would be considered adverse but not substantial enough to warrant a finding of significance per CEQA. Therefore, mitigation for these impacts would not be required.

4.3.3 Wildlife Movement Impacts

Site specific information for most of the proposed project components are unknown, however, impacts on wildlife movement are expected to be minimal based on the general proposed area of impacts and the type of impact that would occur. The construction of reservoirs would result in permanent structures which may impede some local movement of wildlife in the immediate vicinity. These structures, however, are unlikely to effect regional movement because their locations would not be within canyon bottoms or drainages where such movement normally occurs. In addition, the

size of the above ground structures are relatively small and wildlife would be expected to easily travel around them. The other proposed activity, pipeline construction, would be temporary and would occur in short segments at a time. It is therefore not expected to result in substantial adverse effects on wildlife movement. Impacts on wildlife movement are, therefore, considered less than significant and no mitigation would be required.

4.3.4 Jurisdictional Resource Impacts

Any phase or component of the proposed project that involves impacting drainages, streams, or wetlands through filling, stockpiling, conversion to a storm drain, channelization, bank stabilization, road or utility line crossings, or any other modification to a jurisdictional drainage would require permits from the Regional Water Quality Control Board (RWQCB) and the CDFG before any development could commence. Permits from the USACE may be required depending on current jurisdictional status. Both permanent and temporary (construction-related) impacts are regulated and would therefore trigger the need for permits.

The USACE regulates discharges of dredged fill materials into “waters of the United States” pursuant to Section 404 of the CWA. A federal permit may be required from the USACE Regulatory Branch should improvements associated with the proposed project result in the discharge of material within the USACE’s jurisdiction. If necessary, temporary impacts would likely be authorized via Section 404 Nationwide Permit (NWP) 33, Temporary Construction, Access, and Dewatering. If the project would result in permanent impacts, it is anticipated that the proposed improvements could be authorized via NWP 12, Utility Line Discharges. NWP 12 typically authorizes discharges of dredged or fill material associated with excavation, backfill, or bedding for utility lines (e.g., water pipelines, including outfall and intake structures, providing there is no change in preconstruction contours, as long as impacts would be less than 0.5 acre).

For the USACE 404 permit to be approved, a 401 Water Quality Certification from the RWQCB would be required. Drainages (streambeds) located within the boundaries of the project area would be considered jurisdictional by the CDFG; therefore, a 1602 Streambed Alteration Agreement (SAA) would need to be obtained prior to any jurisdictional impact.

Compensatory mitigation for the loss of wetland or riparian function and values is a fundamental component of the applicable regulatory programs. Mitigation can take several forms. It can consist of (1) avoidance or minimization of impacts, (2) compensation in the form of habitat creation, or (3) compensation through participation in a mitigation bank. The first type of mitigation (avoidance or minimization of impacts) is preferred by the agencies and should be investigated to the maximum extent possible. For any project that impacts riparian vegetation, it is preferred by the agencies that compensation through the creation of habitat be performed on the site and in kind (i.e., riparian woodland for riparian woodland; sandy bottom for sandy bottom). The exact requirements of any special permit conditions established for this project would be dictated by regulatory agencies following review of the formally submitted project application. If impacts to jurisdictional waters cannot be avoided through project design, all federal and state permits must be obtained, as detailed in Regulatory Requirement 3.4-1.

Based on the presence of jurisdictional areas present within the boundaries of the proposed project, the potential for impacting jurisdictional drainages is considered likely. Some proposed pipelines traverse drainages and/or other jurisdictional features which may require temporary or permanent impacts to these resources. Impacts on wetlands in the project area could occur as a result of changes in water quality. Runoff of silt from the project construction areas, or improper disposal of petroleum and chemical products from construction equipment could temporarily impact water quality during construction.

However, most of these impacts would likely be small (under 0.1-acre per impact area) and temporary (occurring only during the construction phase). Due to the very limited quantity of jurisdictional waters expected to be impacted, the temporary nature of the vast majority of these impacts, and the staggered time frame in which the impacts would occur, impacts on jurisdictional waters are considered less than significant. In addition, adherence with Regulatory Requirement 1 will further reduce these impacts.

4.3.5 Special Status Biological Resource Impacts

Special Status Vegetation Type Impacts

Within the proposed project area, the precise location of special status vegetation types has not been delineated and the precise location of impacts has not been determined. Based on general information regarding the special status vegetation occurring in the region and the general location of proposed project components, it is assumed that special status vegetation types (i.e., Joshua tree woodlands) may be impacted. In addition, any Joshua trees and California junipers located within the City of Palmdale that may be impacted by the proposed project are under the jurisdiction of the Palmdale Native Desert Vegetation Ordinance. Due to the rarity of these vegetation types and the potentially large amount of vegetation to be removed as part of the entire project, this impact may be substantially adverse and is considered potentially significant. Impacts on special status vegetation types would be reduced to less than significant with implementation of Regulatory Requirement 1 and Mitigation Measures 1, 2 and 3.

Special Status Plants

The presence or absence of special status plants within the proposed project area has not been determined due to the lack of finalized impact areas. Based on existing information, many special status plant species have the potential to be impacted. Due to the special status of these species, this impact may be substantially adverse and is therefore considered potentially significant. Impacts on these species would be reduced to less than significant with implementation of Mitigation Measure 2.

Special Status Wildlife

Due to the lack of site specific information for the construction of the various proposed project components and the known presence of many special status wildlife species in the project vicinity, it is assumed that some may be potentially impacted. In addition, there is potential for six species listed as State and/or Federally Threatened and Endangered to occur within the vicinity of the proposed project. These species are the California red-legged frog, Swainson's hawk, American peregrine falcon, southwestern willow flycatcher, least Bell's vireo, and Mohave ground squirrel. USFWS Critical Habitat for one of these species, the California red-legged frog, is located at least partially within the proposed project study area along Amargosa Creek. Although no direct impacts would be expected to be incurred by this species, there is the potential for indirect impacts such as noise and dust during construction of the proposed project components in Amargosa Creek. As a result, this impact may result in substantially adverse effects and is considered potentially significant. Impacts on the California red-legged frog would be reduced to less than significant with implementation of Mitigation Measure 4. Although rare in the proposed project study area, there is potential for the Swainson's hawk to nest in the vicinity of the proposed project wherever there are clumps of trees adjacent to open space habitats (native and non-native). Any direct or indirect impacts on nesting Swainson's hawk would be considered as potentially significant. Implementation of Mitigation Measure 4 and 6 would reduce impacts on Swainson's hawk to less than significant. The American peregrine falcon is expected to occur as a rare migrant and not expected to nest. Potential project impacts on this species would not be considered significant and no mitigation

would be required. Willow riparian habitats along Amargosa Creek provide potentially suitable habitat for the southwestern willow flycatcher and least Bell's vireo and both species may occur. Any impacts on these species would be considered as significant. Implementation of Mitigation Measure 4 would reduce impacts on the southwestern willow flycatcher and least Bell's vireo to less than significant. The Mohave ground squirrel has potential to occur in the native habitats of the proposed project study area. Any impacts on this species would be considered significant and mitigation would be required. Implementation of Mitigation Measure 5 would reduce these impacts to less than significant.

Implementation of the proposed project may result in loss of foraging habitat for thirteen special status raptor species, both temporary and permanent, through construction of the project components. These 13 raptor species are Cooper's hawk, sharp-shinned hawk, golden eagle, ferruginous hawk, Swainson's hawk (addressed above for potential impacts on nesting), northern harrier, white-tailed kite, merlin, prairie falcon, American peregrine falcon, short-eared owl, long-eared owl, and burrowing owl. Construction of the pipeline components would result in temporary loss of foraging habitat, while the construction of above ground structures such as storage reservoirs and pump stations would result in the permanent loss of potential foraging habitat. This impact would represent an incremental loss of foraging habitat for these species that is adverse, but not substantial enough to warrant a finding of significance. Although the burrowing owl is not an Endangered or Threatened species, potential impacts on this species through loss of an occupied burrow would meet the significance criteria in Section 15380 of the CEQA guidelines, and mitigation would be required. Impacts on the burrowing owl would be reduced with implementation of Mitigation Measure 4 and 6. In addition, the loss of an active raptor nest would also be considered a violation of the California Fish and Game Code 3505.5. Therefore, Mitigation Measure 6 is provided to avoid or reduce impacts on raptor nests, resulting in a less than significant impact.

5.0 CUMULATIVE IMPACTS

This section discusses the cumulative impacts of the proposed project with respect to past, current, and probable future projects within the proposed project region. Geographically, the proposed project is located in the Antelope Valley in northern Los Angeles County and southwestern Kern County. For the purposes of this analysis, all projects within the service area of LACWWD40 and all partner agencies were considered when evaluating potential cumulative impacts due to construction and operation of the proposed project. Due to the extremely limited impacts to natural vegetation and areas expected to be occupied by special status wildlife relative to the disturbed nature of nearly all of the proposed impact areas of the project, the project is expected to have a negligible incremental increase in the over projected regional impacts. This impact is considered less than significant.

6.0 MITIGATION

This section focuses on regulatory requirements and mitigation measures that would reduce potential impacts of the proposed project found to be significant or potentially significant. Strategies to mitigate each impact to a level of less than significant are identified and described.

6.1 REGULATORY REQUIREMENTS

- RR 1 Prior to the construction of any phase or component of the proposed project that involves impacting drainages, streams, or wetlands through filling, stockpiling, conversion to a storm drain, channelization, bank stabilization, road or utility line crossings, or any other modification to a jurisdictional drainage, a jurisdictional delineation shall be conducted. Any jurisdictional impacts would require permits from the USACE, the RWQCB, and the CDFG before any development could

commence. Both permanent and temporary (construction-related) impacts are regulated and would therefore trigger the need for permits. Compensatory mitigation for the loss of wetland or riparian function and values is a fundamental component of the applicable regulatory programs.

- RR 2 Prior to the issuance of a grading permit for construction of each of the proposed project components, the Project Applicant shall determine whether or not the construction activities require coverage under the NPDES (National Pollutant Discharge Elimination System) General Storm Water Permit for Storm Water Discharges Associated with Construction Activities (Water Quality Order 99-08-DWQ) or the NPDES General Permit for Storm Water Discharges Associated with Construction Activity from Small Linear Underground Projects (Water Quality Order 2003-0007-DWQ). If the project component meets the criteria for coverage under either of these two NPDES permits, then the Project Applicant will be responsible for filing a Notice of Intent, a SWPPP (stormwater pollution prevention plan) if applicable, and the appropriate fees to the State Water Resources Control Board, Division of Water Quality in order to obtain coverage under the applicable NPDES permit. Pursuant to the permit requirements, the Project Applicant shall minimize construction related pollutants, including erosion-related sediment, in the site runoff through the implementation of Best Management Practices.

6.2 MITIGATION MEASURES

- MM 1 Prior to the commencement of grading activities for any component of the proposed project, a qualified biologist/arborist shall be consulted to determine the biological/aesthetic value of potentially impacted trees under the jurisdiction of the Palmdale Native Desert Vegetation Ordinance. For protected vegetation located within the final impact areas, a proposal application would be necessary, including a desert vegetation preservation plan which depicts the location of each Joshua tree and California juniper, details tree age and health, and describes which can be saved and maintained on the site or relocated. A permit must be obtained from the City's landscape architect prior to removal of protected vegetation, which may require mitigation in the form of replacement plantings of all impacted vegetation at a ratio to be determined by the City.
- MM 2 Prior to project implementation, a biological renaissance survey will be conducted by a qualified biologist to map and determine the extent and location of all special status vegetation types, and to assess the suitability for special status plant species and conduct focused surveys at the appropriate time of year if suitable habitat is present within or adjacent to the proposed impact area. Surveys will definitively determine the absence or the presence and location of all special status plant species. If present, an assessment of the potential impacts will be conducted. If potentially significant impacts are assessed, the Project Applicant will attempt to avoid, or minimize if not possible to avoid, the impacts by adjusting the location of the proposed pipeline alignment or storage reservoir/pump station location. For unavoidable impacts, a mitigation plan shall be prepared and implemented to off-set such impacts.

Impacted special status vegetation types will be restored on the site. A re-vegetation program will be implemented in accordance with an appropriate agency-approved landscape palette developed for the region on all graded areas not utilized for improvements or structures. Restoration will consist of seeding and planting containers of appropriate species. For those special status plants species that may

be replanted, a pre-construction survey during the peak flowering period will be conducted by the project biologist. The limits of each plant or plant population location within the impact area will be clearly delineated with lath and brightly colored flagging. If the plant is located in the impact area, the loss will be mitigated by seed and bulb collection if appropriate (depending on the growth type of the species), and re-vegetation into a suitable mitigation site in the vicinity.

A detailed re-vegetation and special status plant restoration program will be developed and implemented and will contain the following items: responsibilities and qualifications of the personnel to implement and supervise the plan; site selection; site preparation and planting implementation; schedule; maintenance plan/guidelines; monitoring plan; long-term preservation; and performance standards. It is recommended that long term preservation of restored areas include a permanent open space designation in perpetuity.

- MM 3 Earth-moving equipment will avoid maneuvering in areas outside the identified limits of construction in order to avoid disturbing open space areas that will remain undeveloped. Prior to construction, the natural open space limits will be marked by the construction supervisor and a qualified biologist. These limits will be identified on the construction drawings. The applicant will submit a letter to the appropriate agencies verifying that construction limits have been flagged in the field. No earth-moving equipment will be allowed within the open space areas.
- MM 4 Prior to project implementation, a biological renaissance survey will be conducted by a qualified biologist to determine if potential habitat is present for the following species: California red-legged frog, Swainson's hawk (nesting only), southwestern willow flycatcher, and least Bell's vireo. If potential habitat is present for these species, then the Project Applicant will arrange for a qualified biologist with the necessary permits to conduct focused surveys for the specific species warranted. If focused surveys determine that the special status species is present, then the Project Applicant shall take the steps necessary to avoid any potential direct or indirect impacts (i.e. construction noise and dust) that may be incurred by the special status species present. If impacts are unavoidable, then consultation with the CDFG and/or USFWS shall occur in order to obtain the required take permit prior to any project activities that may result in impacts on California red-legged frog, Swainson's hawk (nesting only), southwestern willow flycatcher, and least Bell's vireo.
- MM 5 Prior to project implementation, a habitat assessment will be conducted by a qualified biologist to determine the potential for the Mojave ground squirrel to occur. If the habitat assessment determines that potential habitat for the Mojave ground squirrel is present in the impact zone or within 300 feet of the construction zone, then the Project Applicant has two options: 1) assume the Mojave ground squirrel is present and either take the steps necessary to avoid any potential direct or indirect impacts (i.e., construction noise and dust) that may be incurred by the Mojave ground squirrel or 2) arrange for a qualified biologist with the necessary permits to implement a trapping program to determine the presence or absence of the Mojave ground squirrel.
- MM 6 The project has the potential to impact nesting raptors, including special status species (Cooper's hawk, golden eagle, Swainson's hawk, white-tailed kite, long-eared owl, and burrowing owl), as well as other common raptor species, should they nest within the vicinity of the proposed project site. No earlier than 45 days and no

later than 20 days prior to construction or grading/site preparation activities that would occur during the nesting/breeding season of raptors potentially nesting on the site (typically February through August), the applicant shall have a survey conducted by a qualified biologist to determine if active raptor nests protected by the California Fish and Game Code are present in the construction zone or within 300 feet of the construction zone. A report of this field survey shall be submitted to the appropriate agency. Construction can proceed if no active raptor nests are located during this survey. If an active nest is found during the survey, a 500-foot (this distance may be vary depending on the bird species and construction activity, as determined by the biologist) fence barrier (subject to the review and approval of a qualified biologist) shall be erected around the nest site and clearing and construction within the fenced area shall be postponed or halted, at the discretion of the biological monitor, until the nest is vacated and juveniles have fledged, as determined by the biologist, and there is no evidence of a second attempt at nesting. The biologist shall serve as a construction monitor during those periods when construction activities shall occur near active nest areas to ensure that no inadvertent impacts on these nests shall occur. Results of the raptor survey and any subsequent monitoring shall be provided to the CDFG.

7.0 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Implementation of the proposed mitigation measures will mitigate biological impacts to a level that is less than significant.

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APPENDIX A
PLANT AND WILDLIFE COMPENDIA

PLANT COMPENDIUM

GYMNOSPERMS
CUPRESSACEAE - CYPRESS FAMILY
<i>Juniperus californica</i> California juniper
EPHEDRACEAE - EPHEDRA FAMILY
<i>Ephedra nevadensis</i> Mormon tea
PINACEAE - PINE FAMILY
<i>Pinus sp.*</i> ornamental pine
FLOWERING PLANTS
CLASS DICOTYLEDONES (DICOTS)
AMARANTHACEAE - AMARANTH FAMILY
<i>Amaranthus albus*</i> tumbleweed
ASTERACEAE (COMPOSITAE) - SUNFLOWER FAMILY
<i>Ambrosia acanthicarpa</i> annual bursage
<i>Artemisia tridentata</i> great basin sagebrush
<i>Chrysothamnus nauseosus</i> rubber rabbitbrush
<i>Ericameria linearifolia</i> interior goldenbush
<i>Hymenoclea salsola</i> burrobrush / cheesebush
CHENOPODIACEAE - GOOSEFOOT FAMILY
<i>Atriplex canescens</i> fourwing saltbush / shad scale
<i>Atriplex confertifolia</i> shadscale
<i>Atriplex polycarpa</i> allscale
ERICACEAE - HEATH FAMILY
<i>Arctostaphylos sp.</i> manzanita
GERANIACEAE - GERANIUM FAMILY
<i>Erodium botrys*</i> long-beaked filaree
HAMAMELIDACEAE - WITCH-HAZEL FAMILY
<i>Liquidambar styraciflua*</i> sweetgum

**PLANT COMPENDIUM
 (Continued)**

POLYGONACEAE - BUCKWHEAT FAMILY
<i>Eriogonum fasciculatum</i> California buckwheat
ROSACEAE - ROSE FAMILY
<i>Purshia tridentata</i> antelope bush
SOLANACEAE - NIGHTSHADE FAMILY
<i>Datura wrightii</i> jimson weed
TAMARICACEAE - TAMARISK FAMILY
<i>Tamarix aphylla</i> * tamarisk
ZYGOPHYLLACEAE - CALTROP FAMILY
<i>Larrea tridentata</i> creosote bush
CLASS MONOCOTYLEDONES (MONOCOTS)
LILIACEAE - LILY FAMILY
<i>Yucca brevifolia</i> Joshua tree
<i>Yucca whipplei</i> Our Lord's candle
POACEAE [GRAMINEAE] - GRASS FAMILY
<i>Bromus sp.</i> * brome
<i>Distichlis spicata</i> salt grass
<i>Hordeum brachyantherum</i> (?) meadow barley
* denotes non-native species

WILDLIFE COMPENDIUM

Reptiles
XANTUSIIDAE - NIGHT LIZARDS
<i>Xantusia vigilis</i> yucca night lizard
Birds
ANATIDAE - WATERFOWL
<i>Branta canadensis</i> Canada goose
<i>Anas platyrhynchos</i> mallard
<i>Anas clypeata</i> northern shoveler
<i>Anas crecca</i> green-winged teal
<i>Aythya affinis</i> lesser scaup
<i>Bucephala albeola</i> bufflehead
<i>Mergus merganser</i> common merganser
<i>Oxyura jamaicensis</i> ruddy duck
ODONTOPHORIDAE - QUAILS
<i>Callipepla californica</i> California quail
ACCIPITRIDAE - HAWKS
<i>Buteo jamaicensis</i> red-tailed hawk
FALCONIDAE - FALCONS
<i>Falco sparverius</i> American kestrel
RALLIDAE - RAILS
<i>Fulica americana</i> American coot
SCOLOPACIDAE - SANDPIPERS & PHALAROPES
<i>Tringa melanoleuca</i> greater yellowlegs
LARIDAE - GULLS & TERNS
<i>Larus californicus</i> California gull
COLUMBIDAE - PIGEONS & DOVES
<i>Columba livia</i> rock pigeon *

**WILDLIFE COMPENDIUM
 (Continued)**

<i>Zenaida macroura</i> mourning dove
TROCHILIDAE - HUMMINGBIRDS
<i>Calypte anna</i> Anna's hummingbird
PICIDAE - WOODPECKERS
<i>Colaptes auratus</i> northern flicker
LANIIDAE - SHRIKES
<i>Lanius ludovicianus</i> loggerhead shrike
CORVIDAE - JAYS & CROWS
<i>Aphelocoma californica</i> western scrub-jay
<i>Corvus corax</i> common raven
ALAUDIDAE - LARKS
<i>Eremophila alpestris</i> horned lark
HIRUNDINIDAE - SWALLOWS
<i>Tachycineta bicolor</i> tree swallow
TROGLODYTIDAE - WRENS
<i>Salpinctes obsoletus</i> rock wren
<i>Thryomanes bewickii</i> Bewick's wren
TURDIDAE - THRUSHES & ROBINS
<i>Sialia mexicana</i> western bluebird
<i>Sialia currucoides</i> mountain bluebird
<i>Turdus migratorius</i> American robin
MIMIDAE - THRASHERS
<i>Mimus polyglottos</i> northern mockingbird
<i>Toxostoma redivivum</i> California thrasher
STURNIDAE - STARLINGS
<i>Sturnus vulgaris</i> European starling *

**WILDLIFE COMPENDIUM
 (Continued)**

EMBERIZIDAE - SPARROWS & JUNCOS
<i>Pipilo crissalis</i> California towhee
<i>Zonotrichia leucophrys</i> white-crowned sparrow
ICTERIDAE - BLACKBIRDS
<i>Agelaius phoeniceus</i> red-winged blackbird
<i>Sturnella neglecta</i> western meadowlark
<i>Euphagus cyanocephalus</i> Brewer's blackbird
FRINGILLIDAE - FINCHES
<i>Carpodacus cassinii</i> Cassin's finch
<i>Carpodacus mexicanus</i> house finch
<i>Carduelis psaltria</i> lesser goldfinch
PASSERIDAE - OLD WORLD SPARROWS
<i>Passer domesticus</i> house sparrow *
LEPORIDAE - HARES & RABBITS
<i>Sylvilagus audubonii</i> desert cottontail
<i>Lepus californicus</i> black-tailed jackrabbit
SCIURIDAE - SQUIRRELS
<i>Spermophilus beecheyi</i> California ground squirrel

APPENDIX F

EDR REPORT EXECUTIVE SUMMARY



EDR® Environmental
Data Resources Inc

EDR DataMap® Environmental Atlas

**LA/Kern County Recycle Water Facility
Los Angeles, CA**

January 10, 2008

Inquiry number 2113440.1s

The Standard in Environmental Risk Information

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Milford, Connecticut 06461

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FOCUS MAP SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	1
CERC-NFRAP	0
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	5
RCRA-SQG	130
RCRA-CESQG	1
RCRA-NonGen	19
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	23
HMIRS	15
DOT OPS	1
CDL	1
US BROWNFIELDS	0
DOD	1
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
ODI	0
DEBRIS REGION 9	0
MINES	0
TRIS	0
TSCA	0
FTTS	1
HIST FTTS	1
SSTS	1
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	179
RAATS	0
<u>STATE AND LOCAL RECORDS</u>	
Hist Cal-Sites	1
CA Bond Exp. Plan	0
SCH	2
Toxic Pits	1
State Landfill	3

FOCUS MAP SUMMARY

<u>Database</u>	<u>Total Plotted</u>
CA WDS	11
WMUDS/SWAT	2
Cortese	61
SWRCY	10
LUST	84
CA FID UST	44
SLIC	0
UST	47
HIST UST	90
AST	3
LIENS	0
SWEEPS UST	95
CHMIRS	16
Notify 65	0
DEED	0
VCP	0
DRYCLEANERS	18
WIP	1
CDL	34
RESPONSE	2
HAZNET	428
EMI	103
HAULERS	1
ENVIROSTOR	5
 <u>TRIBAL RECORDS</u>	
INDIAN RESERV	0
INDIAN LUST	0
INDIAN UST	0
 <u>EDR PROPRIETARY RECORDS</u>	
Manufactured Gas Plants	0

NOTES:

Sites may be listed in more than one database

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

PALMDALE, CA 93534

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
LIENS 2	CERCLA Lien Information
CORRACTS	Corrective Action Report
RCRA-TSDF	RCRA - Transporters, Storage and Disposal
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
US BROWNFIELDS	A Listing of Brownfields Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

CA BOND EXP. PLAN	Bond Expenditure Plan
SLIC	Statewide SLIC Cases
LIENS	Environmental Liens Listing
Notify 65	Proposition 65 Records
DEED	Deed Restriction Listing
VCP	Voluntary Cleanup Program Properties

EXECUTIVE SUMMARY

TRIBAL RECORDS

INDIAN RESERV...... Indian Reservations
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

The Map ID column refers to the Map ID-Focus Map(s) of the listed site.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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.

A review of the CERCLIS list, as provided by EDR, and dated 04/23/2007 has revealed that there is 1 CERCLIS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
<i>LOCKHEED MARTIN AERONAUTICS PA</i>	<i>AVENUE P AND 15TH STREE</i>	<i>151-16</i>

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/11/2007 has revealed that there are 5 RCRA-LQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
Not reported	42644 VALLEYLINE RD	128-15
<i>LOCKHEED MARTIN AERONAUTICS PA</i>	<i>AVENUE P AND 15TH STREE</i>	<i>151-16</i>
<i>LM AERONAUTICS - PALMDALE, SIT</i>	<i>AVENUE M @ 20TH STREET</i>	<i>151-16</i>
<i>NORTHROP GRUMMAN CORP. AVMC</i>	<i>3520 E AVENUE M</i>	<i>162-16</i>

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
<i>Not reported</i>	<i>520 AVE P</i>	<i>183-19</i>

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/11/2007 has revealed that there are 130 RCRA-SQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
<i>PYRAMID AUTOBODY & FRAME</i>	<i>45351 N DIVISION ST</i>	<i>20-12</i>
<i>PETRO LOCK INC</i>	<i>45315 N TREVOR AVE</i>	<i>23-12</i>
<i>PRECISION CYLINDER HEAD</i>	<i>45255 TREVOR ST</i>	<i>23-12</i>
<i>L&M AUTO BODY</i>	<i>45116 N YUCCA</i>	<i>23-12</i>
<i>HONDA AUTO SPECIALIST</i>	<i>45239 DIVISION</i>	<i>23-12</i>
<i>BENNETT FRAME ALIGN</i>	<i>45223 N TREVOR AVE</i>	<i>23-12</i>
<i>DESERT BODY WORKS</i>	<i>420 WEST AVE I</i>	<i>23-12</i>
<i>GRUBL BMW SUBARU</i>	<i>45201 SIERRA HWY</i>	<i>23-12</i>
<i>TOMS BODY SHOP</i>	<i>202 W AVENUE I</i>	<i>23-12</i>
<i>KENS SERVICE CENTER</i>	<i>359 W AVE I</i>	<i>23-12</i>
<i>BOB HOWLE AUTO</i>	<i>226 W AVE I</i>	<i>23-12</i>
<i>HIROS TRANS</i>	<i>150 E AVE STE I</i>	<i>23-12</i>
<i>VERIZON CALIFORNIA INC LANCAST</i>	<i>45243 N BEECH AVE</i>	<i>23-12</i>
<i>SPRINGS AUTO CENTER</i>	<i>45159 SIERRA HWY</i>	<i>23-12</i>
<i>LANCASTER IMPORTS</i>	<i>45234 BEECH AVE</i>	<i>23-12</i>
<i>PRECISION AUTOMOTIVE</i>	<i>45117 SIERRA HWY STE 2</i>	<i>23-12</i>
<i>SIERRA TOYOTA INC</i>	<i>45134 SIERRA HWY</i>	<i>23-12</i>
<i>PICKUS RPR SVC</i>	<i>45137 N TREVOR AVE</i>	<i>23-12</i>
<i>SIERRA AUTOMOTIVE AND TOWING</i>	<i>45134 N TREVOR</i>	<i>23-12</i>
<i>DESERT DETAIL & AUTO GLASS</i>	<i>45117 SIERRA HWY</i>	<i>23-12</i>
<i>WAYNES PLACE</i>	<i>45101 TREVOR AVE A</i>	<i>23-12</i>
<i>MIKE SMITH AUTO</i>	<i>45134 3RD ST E</i>	<i>26-12</i>
<i>YARMINE DRIVELINES</i>	<i>45057 SIERRA HIGHWAY</i>	<i>28-12</i>
<i>PIONEER EDSEL SALES</i>	<i>45005 N SIERRA HWY</i>	<i>28-12</i>
<i>GEORGES CLEANERS</i>	<i>44759 N BEECH AVE</i>	<i>28-12</i>
<i>H W HUNTER INC</i>	<i>44733 N SIERRA HWY</i>	<i>28-12</i>
<i>THE BRAKE DOCTOR</i>	<i>525 W NEWGROVE</i>	<i>28-12</i>
<i>LANCASTER JEEP RENAUL</i>	<i>44606 SIERRA HWY</i>	<i>28-12</i>
<i>DANNYS AUTO & TRANS</i>	<i>44506 N SIERRA HWY</i>	<i>28-12</i>
<i>ROSAS MOBIL MECANICA</i>	<i>44508 N SIERRA HWY B</i>	<i>28-12</i>
<i>CREDIT COUNTRY</i>	<i>44555 N SIERRA HWY</i>	<i>28-12</i>
<i>DOMINATOR MOTORSPORTS</i>	<i>44500 N SIERRA HWY</i>	<i>28-12</i>
<i>COMACHO AUTO SALES</i>	<i>44446 N SIERRA HWY</i>	<i>28-12</i>
<i>SIERRA MOWER AND CHAINSAW</i>	<i>44435 SIERRA HWY</i>	<i>28-12</i>
<i>MIDAS MUFFLER</i>	<i>44430 N SIERRA HWY</i>	<i>28-12</i>
<i>M J THE MTRCYCLE SHOP</i>	<i>45009 YUCCA AVE</i>	<i>30-12</i>
<i>RG AUTOMOTIVE & MOBIL SVC</i>	<i>45005 YUCCA AVE</i>	<i>30-12</i>
<i>TEDS PORSCHE AUDI AND VW</i>	<i>45003 YUCCA</i>	<i>30-12</i>
<i>CHUCK RICHARDSON</i>	<i>44946 3RD ST EAST</i>	<i>33-12</i>
<i>AL AUTO RPR AND BRAKES</i>	<i>44732 N YUCCA</i>	<i>35-12</i>
<i>C & R STARTER DRIVES</i>	<i>44659 N TREVOR AVENUE</i>	<i>35-12</i>

EXECUTIVE SUMMARY

Site	Address	Map ID
ADAMS METALLIZING	44632 TREVOR ST	35-12
ACTION AUTO BODY AND PAINT	312 W NORBERRY	35-12
LANCASTER BODY AND FRAME	226 WEST NUGENT ST	35-12
JAPANESE AUTO SVC	211 W Ovington	35-12
MILLERS HIGH DESERT CARB	202 W Ovington ST	35-12
T & M AUTOMOTIVE	213 W PONDERA	38-12
SMITH AL TRUCKING	104 WEST AVE J	38-12
CHEVRON STATION 9 7932	100 E AVENUE J	38-12
ANTELOPE VALLEY EXPRESS DRY CL	131 E AVE J	40-12
WESTSIDE TRANS	43935 N DIVISION	41-12
SNAPPS SERVICE CENTER	44209 DIVISION STREET	45-12
EXXON CO USA LANCASTER BULK PL	115 W AVE J-5	45-12
CIC RESEARCH	44211 YUCCA AVE UNIT E	46-12
TIP TOP TREE SVC	44107 N YUCCA	46-12
ACME RENTS	44110 YUCCA ST	46-12
SEARS ROEBUCK CO	44111 YUCCA ST	46-12
LANCASTER MAINT STATION	44023 SIERRA HWY	50-12,15
CANDYS AUTO SVC	43939 DIVISION ST	52-12,15
CAPTAIN KS ONE HR PHOTO	43907 N 15TH ST WEST	53-12,15
ONE HOUR COLOR PHOTO	43805 N 15TH ST W	53-12,15
CASSON & SONS GOODYEAR INC	43729 15TH ST W	53-12,15
THE TIRE STORE	43923 SIERRA HWY	55-12,15
ANTELOPE VALLEY MRI	43713 N 20TH ST W	70-15
ANTELOPE VALLEY COLLEGE	3041 AVENUE K	73-14
CHEVRON STATION 9 7989	857 W AVE K	79-15
LANCASTER FIRESTONE	735 W AVE K	79-15
CIRCLE K STORE #1355	111 EAST AVENUE K	81-15
TEXACO SERVICE STATION	43620 CHALLENGER	82-15,16
TESORO GASOLINE DIGAS LANCASTE	1333 W AVE K	85-15
COMMERCE CLEANERS	1068 W AVE K	86-15
BURGESS AUTO BODY PAINT	146 E AVE K 4 SUITE A	98-15
ANTELOPE VALLEY FORD	1155 AUTOMALL DR	102-15
AUTO TECH COLLISION CTR	1155 AUTO MALL DR W UTI	102-15
H W HUNTER	1130 AUTO MALL DR	102-15
SIERRA TOYOTA	43301 12TH ST W	102-15
AERO BENDING CO	43328 N DIVISION ST	103-15
LANCASTER AUTO GROUP	43244 DRIVERS WY	105-15
LANCASTER HONDA	43226 DRIVERS WAY	105-15
DELUXE CHECK PRINTERS INC	42933 BUSINESS CENTER P	117-15
NATIONAL WATER WORKS HDWW1790	42839 N SIERRA HWY	118-15
H AND S AUTOMOTIVE	42807 N SIERRA HWY	118-15
CHEVRON STATION 20 1268	4163 W AVE L	121-14
WEST SIDE CLEANERS	4029 W AVE L	123-14
VONS NO 29	4033 W AVE L	123-14
WESTSIDE CLEANERS	4029 WEST AVENUE L	123-14
WESTSIDE CLEANERS	4029 WEST AVENUE L	123-14
ARMOR RENTALS	42213 N DIVISIONS	136-15
ADAMS STEEL	42353 8TH ST EAST	137-15
ANTELOPE VALLEY CARB	42239 SIERRA HWY	140-15
RIDERS CHOICE	42211 SIERRA HWY	140-15
DALES HITCHIN STATION INC	42207 3RD ST E	142-15
B F I SERVICES GRP INC	42159 N 3RD ST E	142-15
CHUCKS AUTOMOTIVE	42211 N SIERRA HWY STE	142-15
LOS ANGELES FIRE DEPARTMENT	42110 SIXTH ST WEST	149-15
ARCO FACILITY NO 05579	41923 SIERRA HWY	150-15
AVENUE M AUTOMOTIVE	461 EAST AVE M	152-15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
CIRCULATION AIR INC	1109 W AVE M	157-15,16
DOUGLAS AIRCRAFT CO	3000 E AVENUE M	159-16
ANTELOPE VALLEY COUNTRY CLUB	39800 COUNTRY CLUB DR	175-19
KITS CAMERAS 1 HOUR NO 116	1233 W AVE P STE 1107	176-19
MAACO AUTOPAINTING AND BODYWOR	520 E AVE P	179-19
ELIOPULOS MOTORS	730 W AVE P	180-19
EXPRESSLY PORTRAITS INC	1233 W AVENUE P UNIT 40	181-19
NORTHRIDGE EQUIPMENT RENTAL	38860 N SIERRA HWY	207-19
A V AUTO PARTS	38711 SIERRA HWY	209-19,23
FRENCYS DENT SHOP	38744 N 6TH ST EAST UNI	210-19,23
DATA AUTOMOTIVE	38633 N 6TH ST EAST	214-19,23
MURRAYS TRANSMISSION	38545 6TH ST E	214-23
MITCHS AUTO	38554 6TH ST E	214-23
VALLEY VOLKSWAGEN AND HONDA	38525 N 6TH ST E	214-23
SAM TRANSMISSIONS AND AUTO REP	38475 6TH ST E 2E	214-23
AFFORDABLE TIRE	924 E AVE Q 6	218-23
MIRACLE CLEANERS	38456 N SIERRA HWY	218-23
PACC AUTOMOTIVE	38446 8TH ST E	218-23
A PRO CLEANERS	533 E PALMDALE BLVD UNI	218-23
PACIFIC BELL	901 PALMDALE BLVD	218-23
EDS EXXON SVC	400 W PALMDALE	218-23
MIDAS MUFFLER SHOP	926 EAST PALMDALE BLVD	218-23
SHELL SERVICE STATION	1853 E PALMDALE	221-24
WINSTON TIRE CO#182	1540 E PALMDALE BLVD	223-24
WILSON AMBULANCE	38241 6TH ST E	232-23
PALMDALE UNI BODY AND FRAME	38018 9TH ST E	232-23
CASSON SONS GOODYEAR	37957 SIERRA HWY	232-23
A 1 RENTALS	831 E AVE R	232-23
TIRE PROS	37925 SIERRA HWY UNIT J	248-23
E Z RACING	37925 SIERRA HWY UNIT W	248-23
ARMANDO AUTO BODY SHOP AND PAI	37824 5TH ST STE B	251-23
CHEVRON STATION NO 205671	37217 47TH ST E	266-25
ALFA CLEANERS	4626 E AVE S STE A	268-25

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/11/2007 has revealed that there is 1 RCRA-CESQG site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
GADSDEN CLEANERS	43535 GADSDEN AVE #G	79-15

EXECUTIVE SUMMARY

RCRA-NonGen: 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.

A review of the RCRA-NonGen list, as provided by EDR, and dated 09/11/2007 has revealed that there are 19 RCRA-NonGen sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
CHEVRON USA INC LANCASTER BULK	45218 N SIERRA HWY	23-12
CENTURY 1 HR CLEANERS	551 W AVE J	28-12
BLUMEL MARTIN	1027 W AVE "K"	79-15
NORTHROP TRAINING CENTER K4	314 E AVE K4	97-15
KELVIN LIGHTNER DBA LIGHTNER T	43218 COTTAGE LN	110-14
LOVGEE MICHAEL EQUIP	237 E AVE M	156-15
USAF PLANT 42, SITE 3	3000 E AVENUE M	159-16
L AND S CONSTRUCTION	40308 MARAVILLA DR	172-19
EZ RECYCLING INC	39450 3RD ST EAST	187-19
J T S TRUCKING	1309 BERKSHIRE DR	191-19
EZ RECYCLING INC	39360 E 3RD ST	192-19
MCCONMELL ROOFING INC	39025 8TH ST E	203-19
RUSSELLS MFG	38820 3RD ST E	208-19,23
TGJ TRANSPORT	4146 BOLTON AVE	213-20,21,24,25
HANKS SERVICE CENTER	38519 6TH ST	214-23
SAL GARCIA AND SONS TRUCKING	38222 12TH ST E	229-24
SMITH AND THOMPSON PUMPING CO	2208 GREGORY AVE	256-24
A + M GENTRY TRUCKING	3607 E AVE T 2	275-24
A & M GENTRY TRUCKING	3607 E AVE T2	275-24

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2006 has revealed that there are 23 ERNS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
SIERRA HWY AND PATTERSON	SIERRA HWY AND PATTERSO	3-6
307 WEST AVE I	307 WEST AVE I	24-12
45115 DIVISION ST.	45115 DIVISION ST.	27-12
501 WEST LANCASTER BLVD.	501 WEST LANCASTER BLVD	28-12
SIERRA HWY AT AVENUE "J"	SIERRA HWY AT AVENUE "J	28-12
572 E AVE J	572 E AVE J	39-12
44141 N YUCCA AVE	44141 N YUCCA AVE	46-12
44141 N. YUCCA AVE	44141 N. YUCCA AVE	46-12
44078 BEACH AVE	44078 BEACH AVE	48-12
43901 17TH ST. EAST	43901 17TH ST. EAST	51-13,16
CORNER OF AVENUE J10 & 17 ST.	CORNER OF AVENUE J10 &	54-13,16
502 EAST AVE J-9	502 EAST AVE J-9	57-12,15
43830 10TH ST W.	43830 10TH ST W.	60-12,15
43731 22ND ST EAST	43731 22ND ST EAST	68-16
43530 GADSDEN AVENUE	43530 GADSDEN AVENUE	79-15
AVE K AT 22ST WEST	AVE K AT 22ST WEST	84-14
1155 AUTOMALL DRIVE	1155 AUTOMALL DRIVE	102-15
43243 16TH ST. WEST	43243 16TH ST. WEST	108-15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
42148 FOURTH ST. EAST	42148 FOURTH ST. EAST	146-15
AVENUE M & 20TH ST E	AVENUE M & 20TH ST E	151-16
38459 3RD ST E NR INTERS. AVE	38459 3RD ST E NR INTER	216-23
37925 SIERRA HWY	37925 SIERRA HWY	232-23
5650 DIAMOND STREET	5650 DIAMOND STREET	257-25

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 10/01/2007 has revealed that there are 15 HMIRS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
Not reported	330 W PILLSBURY	38-12
Not reported	37731 SIXTH ST EAST	254-23
Not reported	37731 SIXTH ST EAST	254-23
Not reported	37731 6TH ST EAST	254-23
Not reported	37731 6TH ST EAST	254-23
Not reported	37731 6TH ST	254-23
Not reported	37731 6TH STREET EAST	254-23
Not reported	37731 6TH ST EAST	254-23
Not reported	37731 6TH ST	254-23
Not reported	37731 6TH STREET EAST	254-23
Not reported	37731 6TH ST EAST	254-23
Not reported	37731 6TH ST EAST	254-23
Not reported	37731 6TH ST	254-23
Not reported	37731 6TH ST EAST	254-23
Not reported	37731 6TH ST	254-23

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

A review of the DOT OPS list, as provided by EDR, and dated 08/14/2007 has revealed that there is 1 DOT OPS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
SOUTHERN CALIFORNIA GAS CO	CHAGAL AVE. & TRUMAN ST	61-13,16

CDL: 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.

A review of the US CDL list, as provided by EDR, and dated 09/01/2007 has revealed that there is 1 US

EXECUTIVE SUMMARY

CDL site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
3995 W AVENUE H	3995 W AVENUE H	15-11

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
EDWARDS AIR FORCE BASE		0-6,7,9

FTTS: 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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 07/06/2007 has revealed that there is 1 FTTS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
NASA AF PLANT #42	1500 E AVENUE M	163-16

HIST FTTS: 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.

A review of the HIST FTTS list, as provided by EDR, and dated 10/19/2006 has revealed that there is 1 HIST FTTS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
NASA AF PLANT #42	1500 E AVENUE M	163-16

SSTS: 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.

A review of the SSTS list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 SSTS

EXECUTIVE SUMMARY

site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
HOME SAVING TERMITE CONTROL, I	43145 BUSINESS CENTER P	115-15

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/18/2007 has revealed that there are 179 FINDS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
<i>PYRAMID AUTOBODY & FRAME</i>	<i>45351 N DIVISION ST</i>	<i>20-12</i>
<i>A V COLLISION REPAIRS INC</i>	<i>45351 N DIVISION ST</i>	<i>20-12</i>
<i>PETRO LOCK INC</i>	<i>45315 N TREVOR AVE</i>	<i>23-12</i>
<i>PRECISION CYLINDER HEAD</i>	<i>45255 TREVOR ST</i>	<i>23-12</i>
<i>L&M AUTO BODY</i>	<i>45116 N YUCCA</i>	<i>23-12</i>
<i>HONDA AUTO SPECIALIST</i>	<i>45239 DIVISION</i>	<i>23-12</i>
<i>BENNETT FRAME ALIGN</i>	<i>45223 N TREVOR AVE</i>	<i>23-12</i>
<i>CHEVRON USA INC LANCASTER BULK</i>	<i>45218 N SIERRA HWY</i>	<i>23-12</i>
<i>DESERT BODY WORKS</i>	<i>420 WEST AVE I</i>	<i>23-12</i>
<i>GRUBL BMW SUBARU</i>	<i>45201 SIERRA HWY</i>	<i>23-12</i>
<i>TOMS BODY SHOP</i>	<i>202 W AVENUE I</i>	<i>23-12</i>
<i>KENS SERVICE CENTER</i>	<i>359 W AVE I</i>	<i>23-12</i>
<i>BOB HOWLE AUTO</i>	<i>226 W AVE I</i>	<i>23-12</i>
<i>HIROS TRANS</i>	<i>150 E AVE STE I</i>	<i>23-12</i>
<i>VERIZON CALIFORNIA INC LANCAST</i>	<i>45243 N BEECH AVE</i>	<i>23-12</i>
<i>SPRINGS AUTO CENTER</i>	<i>45159 SIERRA HWY</i>	<i>23-12</i>
<i>LANCASTER IMPORTS</i>	<i>45234 BEECH AVE</i>	<i>23-12</i>
<i>PRECISION AUTOMOTIVE</i>	<i>45117 SIERRA HWY STE 2</i>	<i>23-12</i>
<i>SIERRA TOYOTA INC</i>	<i>45134 SIERRA HWY</i>	<i>23-12</i>
<i>PICKUS RPR SVC</i>	<i>45137 N TREVOR AVE</i>	<i>23-12</i>
<i>SIERRA AUTOMOTIVE AND TOWING</i>	<i>45134 N TREVOR</i>	<i>23-12</i>
<i>DESERT DETAIL & AUTO GLASS</i>	<i>45117 SIERRA HWY</i>	<i>23-12</i>
<i>WAYNES PLACE</i>	<i>45101 TREVOR AVE A</i>	<i>23-12</i>
<i>MIKE SMITH AUTO</i>	<i>45134 3RD ST E</i>	<i>26-12</i>
<i>YARMINE DRIVELINES</i>	<i>45057 SIERRA HIGHWAY</i>	<i>28-12</i>
<i>PIONEER EDSEL SALES</i>	<i>45005 N SIERRA HWY</i>	<i>28-12</i>
<i>GEORGES CLEANERS</i>	<i>44759 N BEECH AVE</i>	<i>28-12</i>
<i>H W HUNTER INC</i>	<i>44733 N SIERRA HWY</i>	<i>28-12</i>
<i>THE BRAKE DOCTOR</i>	<i>525 W NEWGROVE</i>	<i>28-12</i>
<i>LANCASTER JEEP RENAUL</i>	<i>44606 SIERRA HWY</i>	<i>28-12</i>
<i>DANNYS AUTO & TRANS</i>	<i>44506 N SIERRA HWY</i>	<i>28-12</i>
<i>ROSAS MOBIL MECANICA</i>	<i>44508 N SIERRA HWY B</i>	<i>28-12</i>
<i>CREDIT COUNTRY</i>	<i>44555 N SIERRA HWY</i>	<i>28-12</i>
<i>DOMINATOR MOTORSPORTS</i>	<i>44500 N SIERRA HWY</i>	<i>28-12</i>
<i>OIL RITE</i>	<i>44451 N. SIERRA HWY</i>	<i>28-12</i>
<i>COMACHO AUTO SALES</i>	<i>44446 N SIERRA HWY</i>	<i>28-12</i>
<i>SIERRA MOWER AND CHAINSAW</i>	<i>44435 SIERRA HWY</i>	<i>28-12</i>

EXECUTIVE SUMMARY

Site	Address	Map ID
MIDAS MUFFLER	44430 N SIERRA HWY	28-12
CENTURY 1 HR CLEANERS	551 W AVE J	28-12
M J THE MTRCYCLE SHOP	45009 YUCCA AVE	30-12
RG AUTOMOTIVE & MOBIL SVC	45005 YUCCA AVE	30-12
TEDS PORSCHE AUDI AND VW	45003 YUCCA	30-12
CHUCK RICHARDSON	44946 3RD ST EAST	33-12
AL AUTO RPR AND BRAKES	44732 N YUCCA	35-12
C & R STARTER DRIVES	44659 N TREVOR AVENUE	35-12
ADAMS METALLIZING	44632 TREVOR ST	35-12
ACTION AUTO BODY AND PAINT	312 W NORBERRY	35-12
LANCASTER BODY AND FRAME	226 WEST NUGENT ST	35-12
APCCO CHEMICAL CO.	203 W. OLDFIELD ST.	35-12
JAPANESE AUTO SVC	211 W OVINGTON	35-12
MILLERS HIGH DESERT CARB	202 W OVINGTON ST	35-12
MONITORING STATION	315 W. PONDERA ST	38-12
T & M AUTOMOTIVE	213 W PONDERA	38-12
SO CAL GAS CO	44416 DIVISION ST	38-12
SMITH AL TRUCKING	104 WEST AVE J	38-12
CHEVRON 97932	100 E AVENUE J	38-12
ANTELOPE VALLEY EXPRESS DRY CL	131 E AVE J	40-12
WESTSIDE TRANS	43935 N DIVISION	41-12
SNAPPS SERVICE CENTER	44209 DIVISION STREET	45-12
EXXON CO USA LANCASTER BULK PL	115 W AVE J-5	45-12
CIC RESEARCH	44211 YUCCA AVE UNIT E	46-12
TIP TOP TREE SVC	44107 N YUCCA	46-12
ACME RENTS	44110 YUCCA ST	46-12
SEARS ROEBUCK CO	44111 YUCCA ST	46-12
CALTRANS DISTRICT 7/LANCASTER	44023 SIERRA HWY	50-12
LANCASTER MAINT STATION	44023 SIERRA HWY	50-12,15
CANDYS AUTO SVC	43939 DIVISION ST	52-12,15
CAPTAIN KS ONE HR PHOTO	43907 N 15TH ST WEST	53-12,15
ONE HOUR COLOR PHOTO	43805 N 15TH ST W	53-12,15
JIFFY LUBE #2967	43750 15TH STREET W	53-12,15
CASSON & SONS GOODYEAR INC	43729 15TH ST W	53-12,15
THE TIRE STORE	43923 SIERRA HWY	55-12,15
ANTELOPE VALLEY MRI	43713 N 20TH ST W	70-15
ANTELOPE VALLEY COLLEGE	3041 AVENUE K	73-14
CHEVRON STATION 9 7989	857 W AVE K	79-15
BLUMEL MARTIN	1027 W AVE "K"	79-15
LANCASTER FIRESTONE	735 W AVE K	79-15
CIRCLE K STORE #1355	111 EAST AVENUE K	81-15
TEXACO SERVICE STATION	43620 CHALLENGER	82-15,16
TESORO GASOLINE DIGAS LANCASTE	1333 W AVE K	85-15
COMMERCE CLEANERS	1068 W AVE K	86-15
NORTHROP TRAINING CENTER K4	314 E AVE K4	97-15
BURGESS AUTO BODY PAINT	146 E AVE K 4 SUITE A	98-15
ANTELOPE VALLEY FORD	1155 AUTOMALL DR	102-15
AUTO TECH COLLISION CTR	1155 AUTO MALL DR W UTI	102-15
H W HUNTER	1130 AUTO MALL DR	102-15
JHH MOTORCARS INC	43301 12TH ST WEST	102-15
SIERRA TOYOTA	43301 12TH ST W	102-15
AERO BENDING CO	43328 N DIVISION ST	103-15
FLAT, HIGH DESERT TERRAIN	43301 DIVISION ST	103-15
LANCASTER AUTO GROUP	43244 DRIVERS WY	105-15
LANCASTER HONDA	43226 DRIVERS WAY	105-15
DELUXE CHECK PRINTERS INC	42933 BUSINESS CENTER P	117-15

EXECUTIVE SUMMARY

Site	Address	Map ID
NATIONAL WATER WORKS HDWW1790	42839 N SIERRA HWY	118-15
H AND S AUTOMOTIVE	42807 N SIERRA HWY	118-15
CHEVRON STATION 20 1268	4163 W AVE L	121-14
WEST SIDE CLEANERS	4029 W AVE L	123-14
VONS NO 29	4033 W AVE L	123-14
AUTOZONE #5403	4007 W AVENUE L	123-14
NU-EASE INC	42644 VALLEYLINE RD	128-15
HARDCAST ENTERPRISES, INC.	42525 5TH STREET E	132-15
WALKER CASTING & FABRICATION	42525 5TH STREET E	132-15
ARMOR RENTALS	42213 N DIVISIONS	136-15
ANTELOPE VALLEY CARB	42239 SIERRA HWY	140-15
RIDERS CHOICE	42211 SIERRA HWY	140-15
DALES HITCHIN STATION INC	42207 3RD ST E	142-15
B F I SERVICES GRP INC	42159 N 3RD ST E	142-15
CHUCKS AUTOMOTIVE	42211 N SIERRA HWY STE	142-15
LOS ANGELES FIRE DEPARTMENT	42110 SIXTH ST WEST	149-15
ARCO FACILITY NO 05579	41923 SIERRA HWY	150-15
LOCKHEED MARTIN AERONAUTICS PA	AVENUE P AND 15TH STREE	151-16
LM AERONAUTICS - PALMDALE, SIT	AVENUE M @ 20TH STREET	151-16
AVENUE M AUTOMOTIVE	461 EAST AVE M	152-15
LOVGEE MICHAEL EQUIP	237 E AVE M	156-15
CIRCULATION AIR INC	1109 W AVE M	157-15,16
USAF PLANT 42, SITE 3	3000 E AVENUE M	159-16
PHOENIX HIGH COMMUNITY DAY	421 WEST AVENUE M	160-15
NORTHROP GRUMMAN CORP. AVMC	3520 E AVENUE M	162-16
L AND S CONSTRUCTION	40308 MARAVILLA DR	172-19
ANTELOPE VALLEY COUNTRY CLUB	39800 COUNTRY CLUB DR	175-19
KITS CAMERAS 1 HOUR NO 116	1233 W AVE P STE 1107	176-19
JIFFY LUBE #2680	1040 W RANCHO VISTA BLV	178-19
MAACO AUTOPAINTING AND BODYWOR	520 E AVE P	179-19
ELIOPULOS MOTORS	730 W AVE P	180-19
EXPRESSLY PORTRAITS INC	1233 W AVENUE P UNIT 40	181-19
SEARS 1068/6098	1345 W AVENUE P	182-19
EXXONMOBIL OIL CORP NO 12596	520 AVE P	183-19
EZ RECYCLING INC	39450 3RD ST EAST	187-19
J T S TRUCKING	1309 BERKSHIRE DR	191-19
EZ RECYCLING INC	39360 E 3RD ST	192-19
ANN VERDE LEARNING PLAZA	39360-B SUMMERWIND DR.	193-19
OAK TREE LEARNING CENTER (OPPO	39139 10TH ST. EAST	201-19,20
LOS AMIGOS	39129 10TH STREET	201-19,20
MCCONMELL ROOFING INC	39025 8TH ST E	203-19
NORTHRIDGE EQUIPMENT RENTAL	38860 N SIERRA HWY	207-19
RUSSELLS MFG	38820 3RD ST E	208-19,23
A V AUTO PARTS	38711 SIERRA HWY	209-19,23
FRENCYS DENT SHOP	38744 N 6TH ST EAST UNI	210-19,23
DATA AUTOMOTIVE	38633 N 6TH ST EAST	214-19,23
MURRAYS TRANSMISSION	38545 6TH ST E	214-23
MITCHS AUTO	38554 6TH ST E	214-23
VALLEY VOLKSWAGEN AND HONDA	38525 N 6TH ST E	214-23
HANKS SERVICE CENTER	38519 6TH ST	214-23
SAM TRANSMISSIONS AND AUTO REP	38475 6TH ST E 2E	214-23
AFFORDABLE TIRE	924 E AVE Q 6	218-23
MIRACLE CLEANERS	38456 N SIERRA HWY	218-23
PACC AUTOMOTIVE	38446 8TH ST E	218-23
PLAZE DEL CENTRO 501-569 E PAL	533 E PALMDALE AVE	218-23
A PRO CLEANERS	533 E PALMDALE BLVD UNI	218-23

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
THE GUIDANCE CHARTER	1125-A E. PALMDALE BLVD	218-23
PACIFIC BELL	901 PALMDALE BLVD	218-23
EDS EXXON SVC	400 W PALMDALE	218-23
AUTOZONE #5460	1138 E PALMDALE BLVD	218-23,24
MIDAS MUFFLER SHOP	926 EAST PALMDALE BLVD	218-23
SHELL SERVICE STATION	1853 E PALMDALE	221-24
KRAGEN AUTO PARTS #0787	2042 PALMDALE BLVD	221-24
WINSTON TIRE CO#182	1540 E PALMDALE BLVD	223-24
SAL GARCIA AND SONS TRUCKING	38222 12TH ST E	229-24
WILSON AMBULANCE	38241 6TH ST E	232-23
PALMDALE UNI BODY AND FRAME	38018 9TH ST E	232-23
CASSON SONS GOODYEAR	37957 SIERRA HWY	232-23
A 1 RENTALS	831 E AVE R	232-23
CACTUS ELEMENTARY	38060 20TH ST. EAST	236-24
WILDFLOWER ELEMENTARY	38136 35TH ST. EAST	237-24
TIRE PROS	37925 SIERRA HWY UNIT J	248-23
E Z RACING	37925 SIERRA HWY UNIT W	248-23
SIERRA AUTO BODY	37835 SIERRA HIGHWAY	248-23
ARMANDO AUTO BODY SHOP AND PAI	37824 5TH ST STE B	251-23
DESERT ROSE ELEMENTARY	37730 27TH ST. EAST	253-24
SMITH AND THOMPSON PUMPING CO	2208 GREGORY AVE	256-24
CHAPARRAL ELEMENTARY	37500 - 50TH ST. EAST	260-25
SHADOW HILLS INTERMEDIATE	37315 60TH ST. EAST	263-25
BUENA VISTA ELEMENTARY	37230 - 37TH ST. EAST	264-24
BARREL SPRINGS ELEMENTARY	37230 37TH ST. EAST	264-24
GOLDEN POPPY	37230 37TH STREET EAST	264-24
CHEVRON STATION NO 205671	37217 47TH ST E	266-25
ALFA CLEANERS	4626 E AVE S STE A	268-25
CIMARRON ELEMENTARY	36940 45TH ST. EAST	271-25
A & M GENTRY TRUCKING	3607 E AVE T2	275-24

STATE AND LOCAL RECORDS

HIST CAL-SITES: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
AVENUE A UNAUTHORIZED DISPOSAL	AVENUE A 1-1/2 MILE EAS	11-7

EXECUTIVE SUMMARY

SCH: 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.

A review of the SCH list, as provided by EDR, and dated 08/28/2007 has revealed that there are 2 SCH sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
REX PERRIS VALLEY CONTINUATION PONDEROSA ELEMENTARY SCHOOL	AVENUE Q/6TH STREET PEARBLOSSOM HIGHWAY/37T	210-19,23 273-24

TOXIC PITS: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
OSAGE INDUSTRIES Closure Date: 06/30/92	43723 SENTRY LANE	76-14

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 09/10/2007 has revealed that there are 3 SWF/LF sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
CALTRANS LANCASTER MAINTENANCE LIDLAW TRANSIT, INC	44023 SIERRA HIGHWAY 39110 3RD STREET, EAST	50-12 200-19
LA CO PUBLIC WRKS, ROADS DEPT,	38126 SIERRA HWY	233-23

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the CA WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 11 CA WDS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
ALTERNATIVE AUTO DISMANTLING I	45555 N DIVISION ST	18-12
A A 2 AUTO SALVAGE	45509 DIVISION ST	18-12
GENERAL AUTO SALVAGE	45339 DIVISION ST	20-12
LARRY LILLEY MOTORCYCLE	45345 SIERRA WAY	22-12
LANCASTER AQUIFER STORAGE	INTER AVE J / DIVISIO	38-12
UNITED PARCEL SERVICE	290 W AVENUE L	122-15
A 1 AUTO DISMANTLING	42230 4TH ST E	141-15
DON PEARSON	361 E AVENUE L12	143-15
SANDSTONE DESIGN	39007 10TH ST E	204-19,20

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
ALAMEDA METALS CORP	37815 6TH ST E	254-23
RPS INC	37731 6TH ST	254-23

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 WMUDS/SWAT sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
AIR FORCE PLANT 42	AIR FORCE PLANT 42	165-16
ANTELOPE RUBBISH	AVE M / 40TH ST	170-14

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 61 Cortese sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
GREAT LAKES CARBON CORPOR	1050 SIERRA US HWY 14	2-6
PRATT & WHITNEY BUILDING	1899 STAZOL (FLIGHT LIN	4-5
JOHN ALEXANDER RESEARCH I	1753 SIERRA	8-6
ANTELOPE VALLEY FAIRGROUN	155 I	23-12
7-11 #18020	304 AVE I E	25-12
SOUTHERN PACIFIC TRANS. CO.	44922 SIERRA HWY N	28-12
UNOCAL #0773	44856 SIERRA HWY	28-12
CITY OF LANCASTER	44733 SIERRA HWY N	28-12
UNKNOWN	44633 SIERRA HWY N	28-12
LANCASTER FORD CO	44614 SIERRA HWY N	28-12
HENRY WALSMAN	44354 SIERRA HWY N	28-12
GORRINDO TEXACO	44339 SIERRA HWY N	28-12
CALTRANS LANCASTER	44023 SIERRA HWY N	28-12
7-11 #17837	44011 SIERRA HWY	28-12
MISSION INDUSTRIES	44926 YUCCA AVE N	31-12
LANCASTER MOVING AND STORAGE	44813 YUCCA AVE N	31-12
ANTELOPE VALLEY BUS INC	44706 YUCCA AVE N	35-12
ANTELOPE VALLEY MOSQUITO ABAT	127 OLDFIELD ST W	35-12
THE DAIRY	44419 DIVISION ST	38-12
CHEVRON #9-7932	100 AVE J E	38-12
SNAPPS SERVICE CENTER	44209 DIVISION STREET	45-12
JANA STORE FIXTURES	123 AVE J-5 W	45-12
CONTINENTAL BAKING	44117 DIVISION ST N	45-12
UNOCAL BULK PLANT #345	44141 YUCCA AVE N	46-12
GOODYEAR TIRE	43729 15TH ST W	53-12,15
LANCASTER COMMUNITY HOSPITAL	43830 10TH ST N	60-12,15
CHEVRON #9-7989	8576 K	79-15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
WOODLAND HILLS HONDA	43607 10TH ST W	79-15
LANCASTER RENTALS	43631 SIERRA HWY N	80-15
GEMCO STORE #521 FORMER	1333 AVE K W	85-15
ARCO #1917	1326 AVE K	85-15
UNOCAL #5570	43559 10TH ST N	94-15
RALPH MILLER PROPERTY	42851 SIERRA HWY N	118-15
NU-EASE INC	42644 VALLEY LINE RD N	128-15
AV READY MIX	42201 DIVISION ST N	140-15
UNKNOWN	42142 VALLEY LINE RD N	150-15
SITE 1 TANK 1-1/2 BLDG 147	1502 AVE M E	151-16
SITE 1 T1-6 BLDG 198	1502 AVE M E	151-16
SITE 1 TANK 1-8 BLDG 143	1502 AVE M E	151-16
SITE 1 TANK 1-11/1-10 BLDG 127	1502 AVE M E	151-16
FIRE STATION #129	421 AVENUE M W	153-15
SITE 2 TANK 2-4/5 BLDG 21	2500 M	167-16
SITE 2 BLDG 210	39959 SIERRA HWY	174-19
SITE 7 TANK 7-4 BLDG 730	2001 P	186-18,19
SITE 7 TANK 7-1 BLDG 752	2001 P	186-18,19
MASSARIAI	39500 SIERRA HWY	188-19
HDOC #055	38627 SIERRA HWY N	209-23
KAUFMAN & BOARD OF SO CAL INC	2721 ELIZABETH LAKE RD	217-22
CIRCLE K STORES #5608	38405 SIERRA HWY N	218-23
76 PRODUCT FACILITY #1016	38405 SIERRA HWY N	218-23
LA CO FIRE STATION #037	38318 9TH ST E	218-23
PETRO-LOCK INC	38206 SIERRA HWY N	218-23
JACOBS OIL INC	1104 E PALMDALE BLVD	224-23,24
WILSON AMBULANCE SERVICE	38241 6TH ST E	232-23
LADPW MD-5	381226 SIERRA HWY	232-23
SOUTHERN PACIFIC - PALMDALE	38021 SIERRA HWY	232-23
7-11 #15127	2873 R	241-24
ANTELOPE VALLEY TRUCKING	37900 6TH ST E	245-23
PALMDALE HIGH SCHOOL	2137 AVE R E	246-24
A V READY MIX	37815 6TH ST E	254-23
WESTON BUILDERS SUPPLY CO	37822 N 6TH ST E	254-23

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 10/09/2007 has revealed that there are 10 SWRCY sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
LEES BEES	45101 YUCCA AVE	23-12
D & R RECYCLING	326 E AVENUE I	25-12
DIVISION RECYCLE CENTER	43847 DIVISION ST	59-12,15
TOMRA PACIFIC INC	1220 W AVENUE K	85-15
SAV ON DRUG #3708	43543 20TH ST W	88-15
TOMRA PACIFIC INC/VONS #29	4033 W AVENUE L	123-14
ADAMS STEEL OF LANCASTER	42353 8TH ST EAST	137-15
MARCO RECYCLING CENTER	38223 6TH ST E	232-23
PALMDALE RECYCLING METALS	38022 SIERRA HWY	232-23
A V READY MIX	37815 6TH ST E	254-23

EXECUTIVE SUMMARY

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 10/10/2007 has revealed that there are 84 LUST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
PRATT & WHITNEY BUILDING Facility Status: Leak being confirmed	1899 STAZOL (FLIGHT LIN	4-5
UNOCAL (DOMINGUEZ FIELD) Facility Status: Case Closed	17810 CENTRAL AVE S	9-4
MONAHANS ELECTRIC Facility Status: Leak being confirmed	45318 N SIERRA HWY	22-12
PETRO LOCK INC PETRO LOCK INC. Facility Status: Remedial action (cleanup) Underway	45315 N TREVOR AVE 45315 TREVOR AVENUE	23-12 23-12
FORM CHEVRON FACILITY #1001488 Facility Status: Post remedial action monitoring	45218 SIERRA HWY AVE I	23-12
CHEVRON #9-5509 Facility Status: Case Closed	104 AVE I W	23-12
7-11 #18020 Facility Status: Case Closed	304 AVE I E	25-12
SOUTHERN PACIFIC TRANS. CO. Facility Status: Leak being confirmed	44922 SIERRA HWY N	28-12
UNOCAL #0773 Facility Status: Case Closed Facility Status: Case Closed	44856 SIERRA HWY	28-12
H W HUNTER INC Facility Status: Case Closed	44733 N SIERRA HWY	28-12
CITY OF LANCASTER Facility Status: Leak being confirmed	44733 SIERRA HWY N	28-12
UNKNOWN Facility Status: Preliminary site assessment underway	44633 SIERRA HWY N	28-12
LANCASTER FORD CO Facility Status: Case Closed Facility Status: Case Closed	44614 SIERRA HWY N	28-12
HENRY WALSMAN Facility Status: Case Closed	44354 SIERRA HWY N	28-12
GORRINDO TEXACO Facility Status: Remedial action (cleanup) Underway	44339 SIERRA HWY N	28-12
CALTRANS LANCASTER Facility Status: Case Closed	44023 SIERRA HWY N	28-12
CALTRANS MAINTENANCE STATION Facility Status: Leak being confirmed	44023 SIERRA HIGHWAY	28-12
7-11 #17837 Facility Status: Case Closed	44011 SIERRA HWY	28-12
MISSION INDUSTRIES Facility Status: Case Closed	44926 YUCCA AVE N	31-12
LANCASTER MOVING AND STORAGE Facility Status: Preliminary site assessment underway	44813 YUCCA AVE N	31-12

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
ANTELOPE VALLEY BUS INC Facility Status: Case Closed	44706 YUCCA AVE N	35-12
ANTELOPE VALLEY MOSQUITO ABAT Facility Status: Case Closed	127 OLDFIELD ST W	35-12
THE DAIRY Facility Status: Case Closed	44419 DIVISION ST	38-12
SOUTHERN CALIFORNIA GAS COMPAN Facility Status: Leak being confirmed	44416 DIVISION STREET,	38-12
CHEVRON #9-7932 Facility Status: Case Closed	100 AVE J E	38-12
MOBIL MINI MART Facility Status: Preliminary site assessment underway	101 EAST AVENUE J	38-12
ELITE CAR WASH Facility Status: Leak being confirmed	44267 DIVISION ST. N	41-12
SNAPPS SERVICE CENTER Facility Status: Case Closed	44209 DIVISION STREET	45-12
JANA STORE FIXTURES Facility Status: Post remedial action monitoring	123 AVE J-5 W	45-12
CONTINENTAL BAKING Facility Status: Case Closed	44117 DIVISION ST N	45-12
FORMAL RENTAL SERVICES CORP Facility Status: Case Closed	44110 YUCCA AVE	46-12
UNOCAL BULK PLANT #345 Facility Status: Leak being confirmed	44141 YUCCA AVE N	46-12
LITTLE OIL COMPANY BUTLER SCALES Facility Status: Preliminary site assessment workplan submitted	44125 N YUCCA AVENUE 43859 SIERRA HWY	46-12 47-12
GOODYEAR TIRE Facility Status: Case Closed	43729 15TH ST W	53-12,15
ANTELOPE VALLEY DISTRIBUTION Facility Status: Case Closed	43851 NORTH DIVISION ST	59-12,15
LANCASTER COMMUNITY HOSPITAL Facility Status: Case Closed	43830 10TH ST N	60-12,15
CHEVRON STATION 9 7989 Facility Status: Case Closed	857 W AVE K	79-15
WOODLAND HILLS HONDA Facility Status: Case Closed	43607 10TH ST W	79-15
LANCASTER RENTALS Facility Status: Case Closed	43631 SIERRA HWY N	80-15
SHELL SERVICE STATION Facility Status: Case Closed	43620 CHALLENGER WAY	82-15,16
GEMCO STORE #521 FORMER Facility Status: Remedial action (cleanup) Underway	1333 AVE K W	85-15
ARCO #1917 Facility Status: Case Closed Facility Status: Remediation Plan	1326 AVE K	85-15
K-20 MINI MART Facility Status: Leak being confirmed	1850 W AVENUE K	88-15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
RALPH MILLER PROPERTY Facility Status: Case Closed	42851 SIERRA HWY N	118-15
SUPER KWIK DAIRY Facility Status: Leak being confirmed	4358 W. AVENUE L	125-14
NU-EASE INC Facility Status: Case Closed	42644 VALLEY LINE RD N	128-15
AV READY MIX Facility Status: Case Closed	42201 DIVISION ST N	140-15
UNKNOWN Facility Status: Case Closed	42142 VALLEY LINE RD N	150-15
ARCO #05579 Facility Status: Case Closed	41923 N SIERRA HWY	150-15
SITE 5 FUEL FARM Facility Status: Preliminary site assessment underway	2501 AVE P E	151-16
SITE 1 TANK 1-1/2 BLDG 147 Facility Status: Pollution Characterization	1502 AVE M E	151-16
SITE 1 T1-5 BLDG 145 Facility Status: Remedial action (cleanup) Underway	1502 AVE M E	151-16
SITE 1 T1-6 BLDG 198 Facility Status: Case Closed	1502 AVE M E	151-16
SITE 1 TANK 1-8 BLDG 143 Facility Status: Case Closed	1502 AVE M E	151-16
SITE 1 TANK 1-11/1-10 BLDG 127 Facility Status: Case Closed	1502 AVE M E	151-16
SITE 1 T1-4 BLDG 145 Facility Status: Pollution Characterization	1502 AVE M E	151-16
FIRE STATION #129 Facility Status: Case Closed	421 AVENUE M W	153-15
SITE 4 NORTHROP Facility Status: Case Closed Facility Status: Leak being confirmed	3520 AVE M E	159-16
SITE 2 TANK 2-6/7/8/9/10 B 210 Facility Status: Case Closed Facility Status: Case Closed	2500 AVE M E	161-16
SITE 2 BLDG 210 Facility Status: Case Closed	39959 SIERRA HWY	174-19
MASSARIAI Facility Status: Remedial action (cleanup) Underway	39500 SIERRA HWY	188-19
NORTHRIDGE EQUIPMENT RENTALS/C Facility Status: Leak being confirmed	38860 N SIERRA HWY	207-19
HDOC #055 Facility Status: Case Closed	38627 SIERRA HWY N	209-23
GAS CO - HIGH DESERT STA #055 Facility Status: Case Closed	38627 SIERRA HWY N	209-23
KAUFMAN & BOARD OF SO CAL INC Facility Status: Case Closed	2721 ELIZABETH LAKE RD	217-22
CIRCLE K STORES #5608 Facility Status: Case Closed	38405 SIERRA HWY N	218-23

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
CITY OF PALMDALE COMMUNITY DEV Facility Status: Preliminary site assessment workplan submitted	38405 N SIERRA HWY	218-23
76 PRODUCT FACILITY #1016 Facility Status: Case Closed	38405 SIERRA HWY N	218-23
VALLARTA STATION Facility Status: Leak being confirmed	470 EAST PALMDALE BLVD	218-23
LA CO FIRE STATION #037 Facility Status: Case Closed	38318 9TH ST E	218-23
PIERCE PROPERTY Facility Status: Case Closed	932 EAST AVENUE Q-10	218-23
PETRO-LOCK INC Facility Status: Pollution Characterization	38206 SIERRA HWY N	218-23
SHELL SERVICE STATION Facility Status: Leak being confirmed Facility Status: Leak being confirmed	1853 PALMDALE BOULEVARD	221-24
JACOBS OIL CO Facility Status: Case Closed	1518 PALMDALE BLVD E	223-24
WILSON AMBULANCE SERVICE Facility Status: Case Closed	38241 6TH ST E	232-23
LADPW MD-5 Facility Status: Remediation Plan	381226 SIERRA HWY	232-23
SOUTHERN PACIFIC - PALMDALE Facility Status: Case Closed	38021 SIERRA HWY	232-23
7-11 #15127 Facility Status: Case Closed	02873 AVE R E	241-24
ANTELOPE VALLEY TRUCKING Facility Status: Case Closed	37900 6TH ST E	245-23
PALMDALE HIGH SCHOOL Facility Status: Case Closed	2137 AVE R E	246-24
A V READY MIX Facility Status: Case Closed	37815 6TH ST E	254-23
WESTON BUILDERS SUPPLY CO Facility Status: Case Closed	37822 N 6TH ST E	254-23

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 44 CA FID UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
PETRO LOCK INC	45315 N TREVOR AVE	23-12
ANTELOPE VALLEY FAIR	155 E AVENUE I	23-12
PIONEER HONDA	45005 N SIERRA HWY	28-12
H.W. HUNTER DODGE/CHRYSLER	44733 N SIERRA HWY	28-12
LANCASTER JEEP EAGLE	44606 N SIERRA HWY	28-12

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
LITTLE MINI MART #101	538 W AVENUE J	28-12
THE SOUTHLAND CORP SS 17837	44011 SIERRA HWY	28-12
MISSION UNIFORM SERVICE	44926 N YUCCA AVE	31-12
CONSOLIDATED FREIGHTWAYS	330 W PILLSBURY	38-12
THE DAIRY DIV ST	44419 DIVISION ST	38-12
ELITE CAR WASH	44267 N DIVISION ST	41-12
CONTINENTAL BAKING CO	44177 N DIVISION	45-12
BUTLER'S SCALES	43857 N SIERRA HWY	47-12
SEARS SERVICE DEPT	44111 N VUCCA AVE	47-12
LITTLE OIL CO INC	44125 N YUCCA	47-12
MUNCY CHIROPRACTIC CORP	43931 N DIVISION ST	52-12,15
GOODYEAR	43729 W 15TH ST	53-12,15
LANCASTER COMMUNITY HOSPITAL	43830 10TH ST N	60-12,15
ANTELOPE VALLEY COLLEGE	3041 W AVENUE K	73-14
LANCASTER RENTALS	43631 SIERRA HWY N	80-15
CIRCLE K STORE #1355	111 EAST AVENUE K	81-15
ARCO 361	1326 AVE K	85-15
MOBIL STATION	2005 W AVE J	88-15
CRUISE THRU DAIRY	504 E AVE K	91-15
CHEVRON USA	4163 W AVENUE L	121-14
UNITED PARCEL SERVICE	290 W AVENUE L	122-15
NU-EASE INC	42644 N VALLEY LINE RD	128-15
ALEX T PIUOVAROFF SR	42616 E 2ND ST	129-15
ALEX SANITATION SERV	323 E AVENUE L-4	129-15
PIPELINE MATERIALS INC	42525 N VALLEY LINE RD	133-15
THE SOUTHLAND CORP SS 18020	304 E AVE	142-15
AIR FORCE PLANT SITE 3	300 E AVENUE M	156-15
SITE 2 TANK 2-6/7/8/9/10 B 210	2500 AVE M E	161-16
NORTHROP CORP B2 DIVISION PALM	3520 E AVENUE M	162-16
AF PLANT 42, SITE 1(ROCKWELL -	1500 E AVENUE M	163-16
PALMDALE SCHOOL DIST	919 E P8 ST	199-19
NORTHRIDGE EQUIPMENT RENTALS/C	38860 N SIERRA HWY	207-19
TERRIBLE HERBST #66	556 E PALMDALE BLVD	218-23
DAVID & KAHTLEEN EZRA	470 E PALMDALE BLVD	218-23
PETRO-LOCK INC.	38206 N SIERRA HWY	218-23
SOUTHERN PACIFIC TRANSP CO	38021 N SIERRA HWY	232-23
ANTNLOPE VALLEY TRUCKING	37900 E N 006TH ST	250-23
WESTON BUILDERS SUPPLY CO	37822 N 6TH ST E	254-23
JOHN SEILER	4249 PALMDALE HILLS DR	276-27,28

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/10/2007 has revealed that there are 47 UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
DELORES HOUSE PROPERTY	1483 SIERRA HWY	1-6
GREAT LAKES CARBON CORP.	1050 SIERRA HWY	3-6
PETRO LOCK INC	45315 TREVOR AVE	23-12
LA CO SHERIFF LANCASTER STA	501 W LANCASTER BLVD	28-12
HADDAD MOBIL SERVICE STA	505 W AVENUE J	28-12
JACOBS OIL CO INC	560 W AVENUE J	28-12

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
THE DAIRY	44419 DIVISION ST	38-12
SOUTHERN CALIFORNIA GAS CO	44416 DIVISION ST	38-12
MOBIL MINI MART	101 E AVENUE J	38-12
ELITE CAR WASH	44267 DIVISION ST	41-12
LITTLE OIL CO	44125 YUCCA AVE	46-12
WALSMA OIL INC	44141 YUCCA AVE	46-12
BUTLER SCALES	43859 SIERRA HWY	47-12
ANTELOPE VLY DIST F B C IND	43851 DIVISION ST	59-12,15
LANCASTER COMMUNITY HOSPITAL	43830 10TH ST W	60-12,15
LITTLE MINI MART #101	538 W AVENUE J # 101	63-15
CHEVRON USA SS 097989	857 W AVENUE K	79-15
A-1 AUTO REPAIR	43607 SIERRA HWY	80-15
ARCO PRODUCTS #05686	111 W AVENUE K	81-15
TEXACO/EQUILON #61-058-2051	43620 CHALLENGER WAY	82-15,16
ARCO PRODUCTS #01917	1326 W AVENUE K	85-15
GREEN PASTURES DAIRY	1661 W AVENUE K	87-15
K-20 MINI MART	1850 W AVENUE K	88-15
CHEVRON TAJMAHAL	1752 W AVENUE K	88-15
CRUISE THRU DAIRY	504 E AVENUE K	89-15
TOSCO/UNOCAL #30924	43559 10TH ST W	94-15
CHEVRON USA SS 201268	4163 W AVENUE L	121-14
SUPER KWIK DAIRY	4358 W AVENUE L	125-14
DAKOTA VENTURES-LANCASTER	42011 SIERRA HWY	150-15
ARCO PRODUCTS #05579	41923 SIERRA HWY	150-15
NORTHROP/ AFP 42, SITE 4	3520 E AVENUE M	162-16
NORTHROP/ AFP 42, SITE 3	3000 E AVE M	166-16
PALMDALE SCHOOL DISTRICT	919 E AVENUE P8	194-19,20
PALMDALE SCHOOL DISTRICT	39139 10TH ST E	201-19,20
NORTHTRIDGE EQUIPMENT RENTALS	38860 SIERRA HWY	207-19
CIRCLE K STORES #5608	38405 SIERRA HWY	218-23
TEX-MART	470 E PALMDALE BLVD	218-23
SOUTHLAND CORP SS 24483	703 E PALMDALE BLVD	218-23
PACIFIC BELL PLDCA01/KC132	901 E PALMDALE BLVD	218-23
KANGAROO OIL AND MARKET	960 E PALMDALE BLVD	218-23,24
11TH GAS FOOD MART	1104 E PALMDALE BLVD	218-23
SONNY SHELL	1853 E PALMDALE BLVD	223-24
PALMDALE CARWASH	1520 E PALMDALE BLVD	223-24
JAMAL HADDAD	1518 E PALMDALE BLVD	223-24
LA CO DPW MD5	38126 SIERRA HWY	233-23
PACIFIC BELL PLDLCA11/KCW35	37241 47TH ST E	258-25
CHEVRON USA SS 205671	37217 47TH ST E	258-25

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 90 HIST UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
DESERT CONST.	1515 SIERRA HWY	1-6
GREAT LAKES CARBON CORP.	1050 SIERRA HIGHWAY	2-6
JOHN CALANDRI FARMS	65TH STREET WEST / GA	5-4
TAPIA BROS. INC.	85TH ST / GASKELL	6-3,4
BEERY RANCH	7531 GASKELL RD	7-4

EXECUTIVE SUMMARY

Site	Address	Map ID
REPEATER BLDG.	45401 SPEARMAN	23-12
PETRO LOCK INC	45315 N TREVOR AVE	23-12
PETRO-LOCK, INC.	45315 TREVOR AVE	23-12
GRUBL BMW SUBARU	45201 SIERRA HWY	23-12
WHITE'S ARCO	310 W AVENUE I	23-12
GOLDEN STATE MVG. & STG. CO.,	132 E AVENUE I	23-12
ABC RADIATOR SERVICE	528 W AVENUE I	23-12
GENERAL TELEPHONE CO OF CALIF	45243 BEECH	23-12
SPARKLETTS DRINKING WATER CORP	45035 TREVOR AVE	23-12
7-ELEVEN STORE #18020 (2144)	305 E AVENUE I	25-12
PIONEER HONDA	45005 SIERRA HWY	28-12
H W HUNTER INC	44733 N SIERRA HWY	28-12
LANCASTER FORD LINC/MERCURY	44606 SIERRA HWY	28-12
THE OIL EXCHANGE	44451 SIERRA HWY	28-12
DEPT OF PUBLIC WORKS	419 W AVENUE J	28-12
CEDAR-J CARWASH	560 W AVENUE J	28-12
WHITE'S ARCO	538 W AVENUE J	28-12
LANCASTER	44023 SIERRA HWY	28-12
7-11 #17837	44011 SIERRA HWY	28-12
DESERT INDUSTRIAL SUPPLY	44929 YUCCA AVE	31-12
MISSION UNIFORM SERVICE	44926 N YUCCA AVE	31-12
DESERT MOVING & STORAGE CO., I	44814 YUCCA AVE	31-12
ANTELOPE VALLEY WAREHOUSE	44720 YUCCA AVE	35-12
FACILITIES OFFICE	44711 CEDAR AVE	37-12
CONSOLIDATED FRIGHTWAYS	330 W PILLSBURY ST	38-12
GOLDEN PAC FOODS	330 W PILLSBURY ST	38-12
THE DAIRY	44419 DIVISION ST	38-12
LANCASTER	44416 DIVISION ST	38-12
TEXACO	211 W AVENUE J	38-12
97932	100 E AVENUE J	38-12
LITTLE OIL CO	44125 YUCCA AVE	46-12
ACME RENTS	44110 YUCCA AVE	46-12
SEARS SERVICE DEPT.	44111 YUCCA AVE	46-12
UNION OIL SERVICE STATION #034	44141 YUCCA AVE	46-12
DESERT MINE INDUSTRIES	43857 SIERRA HWY	47-12
MAIN PLACE OF BUSINESS	43851 SIERRA HWY	47-12
MUNCY CHIROPRACTIC CORP.	43931 DIVISION ST	52-12,15
ANTELOPE VALLEY COLLEGE AUTO	3041 W AVENUE K	73-14
ANTELOPE VALLEY COMMUNITY COLL	3041 W AVENUE K	73-14
CHEVRON	857 W AVENUE K	79-15
SEARS, ROEBUCK & CO.	828 W AVENUE K	79-15
LANCASTER RENTALS	43631 SIERRA HWY N	80-15
CIRCLE K STORE #1355	111 EAST AVENUE K	81-15
DIGAS	1333 W AVENUE K	85-15
GOODYEAR TIRE CENTER #1771	1303 W AVENUE K	85-15
LARRY BRUCE & ROBERT DREWLO	1326 W AVENUE K	85-15
H & E DO-IT-YOURSELF CENTERS	1308 W AVENUE K	85-15
THE LITTLE STORE	604 E AVENUE K	89-15
LANCASTER CENTER	290 W AVENUE L	122-15
C.A. RASMUSSEN, INC.	42725 2ND ST E	127-15
NU-EASE INC	42644 VALLEY LINE RD	128-15
ALEX J. PIVOVAROFF, JR.	323 E. AVE. L-4	129-15
DAVID A. AND PATRICIA Q. FOX	42525 VALLEY LINE RD	133-15
R.S. STODDARD COMPANY	42525 VALLEY LINE RD	133-15
A.V. READY MIX, INC.	42201 DIVISION ST	140-15
YENTES WELDING	42209 5TH ST E	143-15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
FIRE STATION #129	421 E AVENUE M	152-15
ANTELOPE VALLEY F.D. DISPATCH	421 E AVENUE M	152-15
CATES CONSTRUCTION, INC.	213 E AVENUE M	156-15
SITE 3, AIR FORCE PLANT 42	3000 EAST AVENUE "M"	159-16
SITE 1, AIR FORCE PLANT 42	1500 E AVENUE M	163-16
FIRE STATION # 24	1050 W AVENUE P	178-19
GASCO SERVICE STATION #055	38627 NORTH SIERRA HWY	209-23
UNION OIL SERVICE STATION #101	38405 SIERRA HWY	218-23
STATION #1016	38405 SIERRA HWY	218-23
DAVE'S UNION 76	38405 SIERRA HWY	218-23
7-ELEVEN STORE #24483 (2144)	38400 SIERRA HWY	218-23
TERRIBLE HERBST #66	556 E PALMDALE BLVD	218-23
PALMDALE TEXACO.	470 E PALMDALE BLVD	218-23
PACIFIC BELL (KC-132)	901 E PALMDALE BLVD	218-23
KANGAROO OIL SERVICE STATION	960 E PALMDALE BLVD	218-23,24
FIRE STATION #37	38318 9TH ST E	218-23
PETRO-LOCK - KWIK OIL	38206 SIERRA HWY	218-23
PALMDALE GREEN PASTURES DAIRY	38415 20TH ST E	221-24
PALMDALE & 20 ST SHELL STATION	1853 E PALMDALE BLVD	223-24
JACOBS OIL	1518 E PALMDALE BLVD	223-24
DAVE ELLIATTS CAR SALES	1361 E PALMDALE BLVD	224-23,24
DAVE ELLECITTS CAR SALES	1361 E PALMDALE BLVD	224-23,24
PALMDALE STATION	38021 SIERRA HWY	232-23
A-1 RENTALS	831 E AVENUE R	232-23
MAINTENANCE DISTRICT #5	38126 SIERRA HWY	233-23
7-ELEVEN STORE # 15127 (2144)	2873 E AVENUE R	241-24
ANTELOPE VALLEY TRUCKING COMPA	37900 6TH ST E	245-23
PALMDALE READY MIX	37815 6TH ST E	254-23
WESTON BUILDERS SUPPLY CO	37822 6TH ST E	254-23

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 09/17/2007 has revealed that there are 3 AST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
LA COUNTY FIRE DEPT STATION 13	43225 N 25TH ST W	112-14
LA COUNTY FIRE DEPT STATION 24	1050 W AVENUE P	178-19
LA COUNTY FIRE DEPT STATION 37	38318 E 9TH ST EAST	218-23

SWEEPS: 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 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 95 SWEEPS UST sites within the searched area.

EXECUTIVE SUMMARY

Site	Address	Map ID
DESERT CONST.	1515 SIERRA HWY	1-6
LA CO FD FIRE STA #117	45550 N DIVISION ST	18-12
PETRO LOCK INC	45315 N TREVOR AVE	23-12
ANTELOPE VALLEY FAIR	155 E AVENUE I	23-12
JIM PROTHRO AUTOMOTIVE	226 W AVE I	23-12
WHITES BLACK GOLD OIL CO #151	310 W AVE I	23-12
GENERAL TELEPHONE CO OF CALIF	45243 BEECH	23-12
SPARKLETTS DRINKING WATER CORP	45035 N TREVOR AVE	23-12
THE SOUTHLAND CORP SS 18020	304 E AVE I	25-12
PIONEER HONDA	45005 N SIERRA HWY	28-12
H.W. HUNTER DODGE/CHRYSLER	44733 N SIERRA HWY	28-12
LANCASTER JEEP EAGLE	44606 N SIERRA HWY	28-12
LUTHER RAY JACKSON	44503 N SIERRA HWY	28-12
DEPT OF PUBLIC WORKS	419 W AVENUE J	28-12
HADDAD MOBIL SERVICE STA	505 W AVE J	28-12
LITTLE MINI MART #101	538 W AVENUE J	28-12
JACOBS OIL CO INC	44339 N SIERRA HWY	28-12
CALIF DEPT OF TRANSPORTATION	44023 N SIERRA HWY	28-12
THE SOUTHLAND CORP SS 17837	44011 SIERRA HWY	28-12
MISSION UNIFORM SERVICE	44926 N YUCCA AVE	31-12
W B CARTER & D L CARTER TRUST	44706 N YUCCA AVE	35-12
ANTELOPE VALLEY MOSQUITO ABAT	127 W OLDFIELD ST	35-12
LANCASTER SCHOOL DISTRICT	44711 N CEDAR AVE	37-12
CONSOLIDATED FREIGHTWAYS	330 W PILLSBURY	38-12
THE DAIRY DIV ST	44419 DIVISION ST	38-12
SO CALIF GAS CO	44416 N DIVISION ST	38-12
JACOBS OIL CO INC	221 W AVE J	38-12
CHEVRON USA SS 7932	100 E AVE J	38-12
JACOBS OIL CO. INC.	101 E AVE J	38-12
ELITE CAR WASH	44267 N DIVISION ST	41-12
S E MOORTHY	44209 N DIVISION ST	45-12
CONTINENTAL BAKING CO	44177 N DIVISION	45-12
WALSMA OIL INC	44141 YUCCA AVE	46-12
BUTLER'S SCALES	43857 N SIERRA HWY	47-12
SEARS SERVICE DEPT	44111 N YUCCA AVE	47-12
LITTLE OIL CO INC	44125 N YUCCA	47-12
LIONS CONSTRUCTION	44033 N DIVISION	49-12
MUNCY CHIROPRACTIC CORP	43931 N DIVISION ST	52-12,15
GOODYEAR	43729 W 15TH ST	53-12,15
LANCASTER COMMUNITY HOSPITAL	43830 10TH ST N	60-12,15
WICKS LUMBER	43755 DIVISION ST	66-15
ANTELOPE VALLEY COLLEGE	3041 W AVENUE K	73-14
CHEVRON	857 W AVENUE K	79-15
LANCASTER FIRESTONE	735 W AVE K	79-15
LANCASTER RENTALS	43631 SIERRA HWY N	80-15
CARLON AUTO SALES	43555 N SIERRA HWY	80-15
CIRCLE K STORE #1355	111 EAST AVENUE K	81-15
ARCO #1917	1326 AVE K	85-15
GREEN PASTURES DAIRY	1661 W AVE K	87-15
ALAMEDA MANAGEMENT CO #554	2033 W AVE J	88-14,15
MOBIL STATION	2005 W AVE J	88-15
CRUISE THRU DAIRY	504 E AVE K	91-15
CHANG HYON CHOE	628 E AVE K	91-15
U-HAUL	42925 N SIERRA HWY	118-15
CHEVRON USA	4163 W AVENUE L	121-14
UNITED PARCEL SERVICE	290 W AVENUE L	122-15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
NU-EASE INC	42644 N VALLEY LINE RD	128-15
ALEX T PIUOVAROFF SR	42616 E 2ND ST	129-15
ALEX SANITATION SERV	323 E AVENUE L-4	129-15
PIPELINE MATERIALS INC	42525 N VALLEY LINE RD	133-15
A V READY MIX INC	42201 N DIVISION ST	140-15
A V READY MIX	42201 SIERRA HWY	140-15
GARY INGLETT	42142 VALLEY LINE RD	150-15
ARCO FACILITY NO 05579	41923 SIERRA HWY	150-15
AIR FORCE PLANT SITE 3	300 E AVENUE M	156-15
LA CO FD FIRE STA #129	421 W AVE M	160-15
SITE 2 TANK 2-6/7/8/9/10 B 210	2500 AVE M E	161-16
NORTHROP CORP B2 DIVISION PALM	3520 E AVENUE M	162-16
AF PLANT 42, SITE 1(ROCKWELL -	1500 E AVENUE M	163-16
LA CO FD FIRE STA #024	1050 W AVE P	178-19
PALMDALE SCHOOL DIST	919 E P8 ST	199-19
NORTHRIDGE EQUIPMENT RENTALS/C	38860 N SIERRA HWY	207-19
 GASCO	38627 N SIERRA HWY	209-23
UNOCAL CORP SS 1016	38405 N SIERRA HWY	218-23
TERRIBLE HERBST #66	556 E PALMDALE BLVD	218-23
DAVID & KAHTLEEN EZRA	470 E PALMDALE BLVD	218-23
PACIFIC BELL PLDCA01/KC132	901 E PALMDALE BLVD	218-23
KANGAROO OIL SERVICE STATION	960 E PALMDALE BLVD	218-23,24
JAZZY J'S HOUSE OF RIBS	906 E PALMDALE BLVD	218-23
VACANT - SERV STA	38258 N SIERRA HWY	218-23
VACANT	38240 SIERRA HWY	218-23
PETRO-LOCK INC.	38206 N SIERRA HWY	218-23
PALMDALE & 20 ST SHELL STATION	1853 E PALMDALE BLVD	223-24
COMMUNITY CAR CENTER	1520 E PALMDALE BLVD	223-24
JACOBS OIL CO INC	1518 E PALMDALE BLVD	223-24
PALMDALE AUTO CENTER	1540 PALMDALE BLVD	223-24
DRAMIS, JAMES-AUTO REPAIR	1361 E PALMDALE BLVD	224-23,24
JACOBS OIL INC	1104 E PALMDALE BLVD	224-23,24
SOUTHERN PACIFIC TRANSP CO	38021 N SIERRA HWY	232-23
ANTELOPE VALLEY REFRIGERATING	602 E AVE R	232-23
ROAD ELEMENT MD5	38126 N SIERRA HWY	233-23
THE SOUTHLAND CORP SS 15127	2873 E AVE R	241-24
ANTNLOPE VALLEY TRUCKING	37900 E N 006TH ST	250-23
WESTON BUILDERS SUPPLY CO	37822 N 6TH ST E	254-23
JOHN SEILER	4249 PALMDALE HILLS DR	276-27,28

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2005 has revealed that there are 16 CHMIRS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
Not reported	1050 SIERRA HWY, CROSS	3-6
Not reported	AVE "D" 1/4 MI W/SIERRA	13-7,9
Date Completed: 06-NOV-89		
Not reported	501 WEST LANCASTER BLVD	28-12
Not reported	SIERRA HWY @ AVENUE "J"	28-12
Date Completed: 18-DEC-90		

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
Not reported	43731 22ND ST EAST	68-16
Not reported	3728 SPICE ST.	83-14
Not reported	1155 AUTOMALL DRIVE	102-15
Not reported	1155 AUTO MALL DR	102-15
Not reported	3059 BRENTWOOD AVE	106-14
Not reported	43243 16TH ST WEST	108-15
Not reported	42936 36TH STREET WEST	119-14
Not reported	8TH ST / AVE P LOCKHEED	173-19
Date Completed: 07-AUG-88		
Not reported	39224 BUCKSKIN CT	195-18,19
Not reported	38659 SIERRA HWY	209-19,23
Date Completed: 25-JAN-88		
Not reported	2415 OAKCREST AVE	252-24
Not reported	37520 70TH ST EAST	259-25

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, and dated 07/31/2007 has revealed that there are 18 CLEANERS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
GEORGES CLEANERS	44759 N BEECH AVE	28-12
CENTURY 1 HR CLEANERS	551 W AVE J	28-12
SCOTT S AUTO TECH	310 NICOBAR ST	35-12
SEARS SERVICE DEPT.	44111 YUCCA AVE	46-12
STANLEY STEAMER CARPET CLEANER	314 E AVENUE K STE 205	77-15
DONNA HAMILTON DBA GADSDEN CLE	43535 GADSDEN AVE STE G	79-15
STARLA JOHNSON DBA GADSDEN CLE	43535 GADSDEN AVE STE G	79-15
COMMERCE CLEANERS	1068 W AVE K	86-15
WEST SIDE CLEANERS	4029 W AVE L	123-14
WESTSIDE CLEANERS	4029 W AVENUE L	123-14
AV TRUCK REPAIR	42425 5TH ST E UNIT A	134-15
AV TRUCK REPAIR	42425 5TH ST E UNIT B	134-15
FLUMS MACHINE FACTORY	39450 3RD ST E STE 132	189-19
CYCLE ZONE 1	38619 6TH ST. EAST	214-23
MIRACLE CLEANERS	38456 N SIERRA HWY	218-23
A PRO CLEANERS	533 E PALMDALE BLVD UNI	218-23
GATEWAY CLEANERS	1813-A PALMDALE BLVD	223-24
ALFA CLEANERS	4626 E AVE S STE A	268-25

EXECUTIVE SUMMARY

WIP: Well Investigation Program case in the San Gabriel and San Fernando Valley area.

A review of the WIP list, as provided by EDR, and dated 09/30/2007 has revealed that there is 1 WIP site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
MISSION INDUSTRIES Facility Status: Historical	44926 YUCCA AVE N	31-12

CDL: 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.

A review of the CDL list, as provided by EDR, and dated 09/30/2007 has revealed that there are 34 CDL sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
Not reported	46121 53RD ST WEST	14-10,11
Not reported	45731 48TH ST WEST	17-11
Not reported	501 LANCASTER BLVD	28-12
Not reported	44725 FOXTON AVE.	34-12
Not reported	44740 GINGHAM AVE	36-12
Not reported	44324 BEECH AVE	42-12
Not reported	44301 CEDAR ST	43-12
Not reported	43907 17TH STREET EAST	54-13,16
Not reported	1117 WEST AVENUE J10	56-12,15
Not reported	43844 EMILE ZOLA ST	58-13,16
Not reported	10TH ST WEST / AVENUE	60-15
Not reported	43733 ADLER AVE	67-15
Not reported	1225 FRANKLIN	75-16
Not reported	43548 KIRKLAND AVE, #30	92-15
Not reported	43363 16TH ST WEST, APT	99-15
Not reported	43230 GADSDEN AVE, UNIT	111-15
Not reported	42307 7TH ST EAST	138-15
Not reported	4373 QUARTZ HILL RD	168-14
Not reported	38934 8TH ST EAST	206-19
Not reported	3461 ELIZABETH LAKE RD	212-18,22
Not reported	38540 3RD STREET EAST	216-23
Not reported	551 E AVENUE 99	218-23
Not reported	38515 LILACVIEW AVE	219-24
Not reported	38308 JEANETTE ST	226-24
Not reported	3524 EAST AVENUE R, #30	237-24
Not reported	3255 E AVENUE R	239-24
Not reported	37951 MELTON AVE	244-24
Not reported	1302 AVENUE R-2	247-24
Not reported	37826 BIRCH TREE LANE	249-24
Not reported	3094 E AVENUE R6	255-24
Not reported	4856 E AVENUE R12	261-25
Not reported	37350 50TH STREET EAST	262-25
Not reported	4137 E AVENUE S10	272-24,25
Not reported	4057 AVENUE T-2	274-24

EXECUTIVE SUMMARY

RESPONSE: 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.

A review of the RESPONSE list, as provided by EDR, and dated 08/28/2007 has revealed that there are 2 RESPONSE sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
GREAT LAKES CARBON CORP.	1050 SIERRA HIGHWAY	2-6
AVENUE A UNAUTHORIZED DISPOSAL	AVENUE A 1-1/2 MILE EAS	11-7

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2006 has revealed that there are 428 HAZNET sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
AUTO PROS II	1525 SIERRA HWY	1-6
HARRY HAWATMEH	300 SIERRA HWY	10-6,7
SWIFT TRANSPORTATION INC	2801 W AVENUE H	16-11
RITE AID SOUTHWEST DISTRIBUTIO	2801 W AVENUE H	16-11
A V COLLISION REPAIRS INC	45351 N DIVISION ST	20-12
CITY OF LANCASTER	45356 DIVISION ST	20-12
A.V. COLLISION REPAIRS	45351 N DIVISION ST	20-12
GENERAL AUTO WRECKING	45339 DIVISION	20-12
BRIGHT LATH & PLASTER INC	45331 N DIVISION ST	20-12
CITY OF LANCASTER	45333 4TH ST E	21-12
CITY OF LANCASTER DEPT OF PUBL	45337 3RD ST	21-12
CITY OF LANCASTER PUBLIC WORKS	346 E AVENUE H13	21-12
CITY OF LANCASTER	331 E AVENUE H13	21-12
CITY OF LANCASTER	45317-45325 3RD ST E	21-12
CITY OF LANCASTER	315 E AVENUE H14	21-12
LARRY LILLEY MOTORCYCLE	45345 SIERRA WAY	22-12
PETRO LOCK INC	45315 TREVOR AVE	23-12
PETRO LOCK INC	45315 N TREVOR AVE	23-12
KNIGHT ENGINEERING	45322 NO TREVOR AVE	23-12
L&M AUTO BODY	45116 N YUCCA	23-12
DRAKE AUTOMOTIVE	45255 N TREVOR AVE	23-12
VICS BIMMER SHOP	45253 N TREVOR AVE	23-12
L & M AUTO BODIES	45116 NORTH YUCCA ST	23-12
A V AUTO BODY & TRUCK	45231 N TREVOR AVE	23-12
ROCCOS HONDA AUTO SPEC	45239 N DIVISION	23-12
GOLDEN EAGLE COLLISION	45232 TREVOR AVE	23-12
DESERT BODY WORKS	420 WEST AVE I	23-12
WINSTON TIRE COMPANY #27	45201 SIERRA HIGHWAY	23-12
INTERNATIONAL CAR CONNECTION	45201 N SIERRA HWY	23-12
GRUBL BMW SUBARU	45201 SIERRA HWY	23-12
TOMS BODY SHOP	202 W AVENUE I	23-12
FOREIGN CAR SPECIALISTS	212 WEST AVENUE I	23-12
LITTLE DESIGNS	420 W AVENUE I	23-12
CITY OF LANCASTER	528 W AVENUE I	23-12

EXECUTIVE SUMMARY

Site	Address	Map ID
L & S AUTOMOTIVE	528 WEST AVENUE I	23-12
CITY OF LANCASTER	518 W AVENUE I	23-12
AV AUTO CLINIC	359 W AVE I	23-12
AV KAWASAKI-YAMAHA	400 WEST AVE I	23-12
A. V. ENGINES	383 WEST AVE. I	23-12
4 M H INC DBA A V AUTO PAINT &	339 WEST AVE I	23-12
BOB HOWLE AUTO	226 W AVE I	23-12
HIROS TRANS	150 E AVE STE I	23-12
VERIZON CA INC LANCASTER PY	45243 N BEECH AVE	23-12
SIERRA TOYOTA INC	45134 SIERRA HWY	23-12
SIERRA AUTOMOTIVE AND TOWING	45134 N TREVOR	23-12
REID'S SIERRA AUTO BODY	45116 N YUCCA AVE	23-12
AMERICAN WRECKING INC	45117 SIERRA HWY	23-12
THE MOVING CONNECTION	45059 N TREVOR AVE	23-12
CALCOL INC DBA CALIFORNIA COLL	45050 N TREVOR AVE	23-12
MAGNA COLOR	45024 N TREVOR AVE	23-12
CITY OF LANCASTER/PUBLI WORKS	45036-45058 BEECH AVE	28-12
YARMINE DRIVELINES	45057 SIERRA HIGHWAY	28-12
YARMAN DRIVE SHAFTS	45057 N SIERRA HWY	28-12
CITY OF LANCASTER	45057 SIERRA HWY	28-12
CITY OF LANCASTER	45057 BEECH AVE	28-12
CITY OF LANCASTER	45033 SIERRA HWY	28-12
CITY OF LANCASTER PUBLIC WORKS	45039 BEECH AVE	28-12
CITY OF LANCASTER	45031 SIERRA HWY	28-12
CITY OF LANCASTER PUBLIC WORKS	45029 BEECH AVE	28-12
L. A. CNTY SHERIFF'S DEPT/SSB-	45021 N SIERRA HWY	28-12
JOHNSON CONTROLS - LANCASTER S	501 W LANCASTER BLVD	28-12
LACO SHERIFF'S DEPT/LANCASTER	501 W LANCASTER BLVD	28-12
JOHNSON CONTROLS LANCASTER STA	501 W LANCASTER BLVD	28-12
CITY OF LANCASTER	44907 N. SIERRA HWY.	28-12
CITY OF LANCASTER	557 W LANCASTER BLVD	28-12
CITY OF LANCASTER	44856 SIERRA HIGHWAY	28-12
UNOCAL #0773	44856 SIERRA HWY	28-12
CITY OF LANCASTER	44846 N SIERRA HWY	28-12
GEORGES CLEANERS	44759 N BEECH AVE	28-12
H W HUNTER INC	44733 N SIERRA HWY	28-12
H.W. HUNTER DODGE/CHRYSLER	44733 N SIERRA HWY	28-12
EAGLE AUTO BODY	44624 NO SIERRA HWY	28-12
AAMCO TRANSMISSION	44617 SIERRA HWY	28-12
HP TRANSMISSION CENTER	44615 N SIERRA HWY	28-12
B.M. STARKSEN INC	44613 N SIERRA HWY	28-12
LANCASTER JEEP RENAUL	44606 SIERRA HWY	28-12
DISCOUNT TIRE CENTERS #124	44556 N SIERRA HWY	28-12
LINGAIAH JANUMPALLY	44517 SIERRA HWY	28-12
ELISA BLANCO	44500 SIERRA HWY	28-12
CORONA CAR CARE	44500 NORTH SIERRA HWY.	28-12
DOMINATOR MOTORSPORTS	44500 N SIERRA HWY	28-12
PUNKY'S AUTO BODY & PAINT	44500 N SIERRA HWY	28-12
OIL RITE	44451 SIERRA HWY	28-12
CAMACHO AUTO SALES	44446 N SIERRA HWY	28-12
SIERRA MOWER AND CHAINSAW	44435 SIERRA HWY	28-12
MIDAS MUFFLER & BRAKE SHOP	44430 N SIERRA HWY	28-12
LA CNTY DEPT OF PUBLIC WORKS	419 WEST AVENUE J	28-12
LOS ANGELES COUNTY DEPT OF PUB	419 W AVENUE J	28-12
QUALITY 45-MINUTE PHOTO	540 W AVE "J"	28-12
CENTURY 1 HR CLEANERS	551 W AVE J	28-12

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
CITY OF LANCASTER	540 W AVENUE J	28-12
HADDAD MOBIL MINI MART	505 WEST AV J	28-12
ROBERT GORRINDO	44339 NORTH SIERRA HIGH	28-12
7-11 #17837	44011 SIERRA HWY	28-12
DESERT WINDS HIGH SCHOOL	45030 N 3RD STREET E	29-12
LEO'S AUTO BODY WORKS	45003 YUCCA AVE	30-12
UNO VETERINARY CORPORATION	44848 N YUCCA AVE	31-12
ANTELOPE VALLEY HIGH SCHOOL	44900 DIVISION ST	32-12
ANTELOPE VALLEY HIGH SCHOOL	44900 N DIVISION STREET	32-12
SOUTHERN CALIFORNIA EDISON	44900 DIVISION ST	32-12
AVUSD - MAINTENECE OFFICE	44865 3RD ST E	33-12
GERSTENBERGER CONSTRUCTION COR	310 NEWGROVE ST	35-12
INDUSTRIAL RADIATOR & MUFFLER	44706 YUCCA AVE	35-12
ADAMS METALLIZING	44632 TREVOR ST	35-12
CALIFORNIA COLLISION CENTER	312 WEST NORBERRY	35-12
ACTION AUTO BODY AND PAINT'	312 W NORBERRY	35-12
BLUE STREAK AUTOMOTIVE	321 W NUGENT	35-12
LANCASTER BODY AND FRAME	226 WEST NUGENT ST	35-12
AFFORDABLE AUTO BODY & PAINT	118 W NUGENT ST	35-12
LANCASTER AUTOMOTIVE	202 WEST OVINGTON	35-12
LANCASTER SCHOOL DISTRICT	44711 N CEDAR AVE	37-12
THE DAIRY	44419 DIVISION ST	38-12
SO CALIF GAS CO	44416 N DIVISION ST	38-12
CHEVRON STATION #97932	100 EAST AVENUE J	38-12
CHEVRON 97932	100 E AVENUE J	38-12
THE FOOTHEALTH CENTER OF ANTEL	44300 N DIVISION STREET	41-12
LUXURY AUTO SPA	44267 DIVISION ST	41-12
SNAPP SERVICE CENTER	44209 NORTH DIVISION ST	45-12
ANTELOPE VALLEY CHIROPRACTIC G	44130 NORTH DIVISION ST	45-12
CONTINENTAL BAKING COMPANY	44117 N DIVISION	45-12
TIP TOP TREE SVC	44107 N YUCCA	46-12
ACME RENTS	44110 YUCCA ST	46-12
ACME RENTS INC	44110 YUCCA AVE	46-12
SEARS ROEBUCK AND CO.	44111 YUCCA	46-12
SEARS ROEBUCK CO	44111 YUCCA ST	46-12
WALSMA OIL CO. INC. BULK PLANT	44141 NORTH YUCCA AVENU	46-12
UNOCAL 76 BULK PLANT #300345	44141 NORTH YUCCA AVENU	46-12
44125 YUCCA, LLC/LITTLE OIL CO	44125 YUCCA AVE	46-12
BUTLER SCALES	43859 SIERRA HWY	47-12
CALTRANS DISTRICT 7/LANCASTER	44023 SIERRA HWY	50-12
CANDY'S AUTO ELECTRIC	43939 DIVISION ST	52-12,15
CANDYS AUTO SVC	43939 DIVISION ST	52-12,15
WAYNE & DAVE'S AUTOMOTIVE	43937 DIVISION ST	52-12,15
MUNCY CHIROPRACTIC OFFICE	43931 DIVISION ST	52-12,15
HONDAMOTION	43941 NORTH DIVISION ST	52-12,15
CITY OF LANCASTER	43903 DIVISION ST	52-12,15
CAPTAIN KS ONE HR PHOTO	43907 N 15TH ST WEST	53-12,15
ONE HOUR COLOR PHOTO	43805 N 15TH ST W	53-12,15
MARK C BLOOME	43729 W 15TH STREET	53-12,15
CASSON & SONS GOODYEAR INC	43729 15TH ST W	53-12,15
SPEEDEE OIL CHANGE & TUNE-UP	43750 N 15TH WEST	53-15
HEIDI'S CHILDREN'S DENTAL CENT	43731 N 15TH ST, WEST,	53-15
THE TIRE STORE	43923 SIERRA HWY	55-12,15
1X GLATFELTER, CURTIS	43843 DIVISION AVE	59-12,15
WALLIS BURKITT	43827 N. DIVISION STREE	59-12,15
HIGH DESERT OCCUPATIONAL MEDIC	43835 N 10TH ST WEST	60-12,15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
LANCASTER COMMUNITY HOSPITAL	43830 10TH ST N	60-12,15
DAVID M.KERN,DDS	43823 NORTH 10TH ST.WES	60-15
LAMEER MD	43807 N 10TH ST WEST,#D	60-15
ROBERT R LAWRENCE MD	43847 N HEATON AVE STE	62-15
LANCASTER CARDIOLOGY MEDICAL G	43847 N HEATON AVE STE	62-15
GILBERT WHITCOMB CONSTRUCTION	43819 LONE OAK	64-15
UNITED STATES POST OFFICE	43824 20TH ST WEST	65-15
STOCK COMPONENTS INC	43755 DIVISION ST	66-15
RIDERS CHOICE	43719 SIERRA HWY	69-15
HASSAN BACCHUS, MD INC	43723 20TH ST W #101	70-15
ANTELOPE VALLEY MRI	43713 N 20TH ST W	70-15
KARREY MORRISON	43725 N 27TH ST WEST	71-14
ANTELOPE VALLEY COLLEGE	3041 W AVENUE K	73-14
PRO TRANS	43657 MOCCASIN PLACE	74-14
RAYMOND SERVIN	1225 FRANKLIN	75-16
STANLEY STEAMER CARPET CLEANER	314 E AVENUE K STE 205	77-15
CINDY BOWEN	43616 DEJAY STREET	78-14,15
CHEVRON 97989	857 W AVE K	79-15
KEMMA INC	43607 NORTH 10ST WEST	79-15
LANCASTER FIRESTONE	735 W AVE K	79-15
LOWES HIW - LANCASTER #2502	730 W AVENUE K	79-15
1 DAY PAINT & BODY CENTERS INC	803 W AVENUE K	79-15
SUNSHINE CLEANERS	43535 GADSDEN AVE STE G	79-15
DONNA HAMILTON DBA GADSDEN CLE	43535 GADSDEN AVE STE G	79-15
GADSDEN CLEANERS	43535 GADSDEN AVE SUITE	79-15
STARLA JOHNSON DBA GADSDEN CLE	43535 GADSDEN AVE STE G	79-15
UNITED RENTALS INC #561	43631 SIERRA HIGHWAY	80-15
LANCASTER RENTALS	43631 SIERRA HWY N	80-15
NORTH VALLEY VETERINARY CLINIC	43619 N SIERRA HIGHWAY	80-15
ERNIE KAPPAS	43607 N SIERRA HWY	80-15
ARCO PRODUCTS COMPANY	111 WEST AVE K	80-15
LANCASTER ECONOMIC DEVELOPMENT	104 AVENUE K EAST	81-15
CIRCLE K STORES INC.#1355	111 EAST AVENUE K	81-15
PRESTIGE STATIONS INC #5345	111 WEST AVENUE K	81-15
PETRO SERVICES	43581 N DIVISION ST	81-15
TEXACO SERVICE STATION	43620 CHALLENGER	82-15,16
CHIEF AUTO PARTS #29810	1000 EAST AVE K	82-15,16
TOYS R US	1333 W AVE K	85-15
ARCO PRODUCTS COMPANY	1326 W AVENUE K	85-15
LARRY BRUCE & ROBERT DREWLO	1326 W AVENUE K	85-15
KRAGEN AUTO PARTS #345	1242 WEST AVENUE K	85-15
SMILECARE FAMILY DENTISTRY #75	1228 W AVENUE K	85-15
ANTELOPE VALLEY DENTISTRY	1228 WEST AVENUE K	85-15
BACK IN A FLASH	1220 WEST AVENUE K	85-15
GREEN PASTURES DAIRY	1661 W AVE K	87-15
CHIROPRACTIC OFFICE OF JOSEPH	2061 WEST AVE K	88-14,15
LANCASTER PET CLINIC	2060 WEST AVE K	88-14,15
K 20 MINI MART	1850 W AVE K	88-15
DAN ARY, TRUSTEE	1850 WEST K AVENUE	88-15
SAV ON DRUG #3708	43543 20TH ST W	88-15
ALBERTSONS 6322	43543 20TH ST WEST	88-15
SMITH FOOD ONE-HOUR PHOTO #708	43543 20TH STREET WEST	88-15
THE LITTLE STORE	604 E AVENUE K	89-15
OLYMPIA DENTAL CENTER	822 EAST AVENUE K	90-15
BOB ARBETMAN'S UNION 76	43559 NORTH 10TH STREET	94-15
A V CHIRO-SPORT	1146 COMMERCE CENTER DR	95-15

EXECUTIVE SUMMARY

Site	Address	Map ID
FRAZEE PAINT # 52	1206 COMMERCE CENTER DR	95-15
FRAZEE PAINT # 52	1206 COMMERCE CENTER DR	95-15
HARDWAY MANUFACTURING INC	43424 COPELAND CIRCLE	97-15
NORTHROP GRUMMAN CORP	314 E AVE K4	97-15
BURGESS AUTO BODY PAINT	146 E AVE K 4 SUITE A	98-15
COUNTY SANITATION DIST OF LOS	43422 10TH ST WEST	100-15
LA COUNTY SANITATION DISTRICTS	43422 10TH ST W	100-15
COUNTY SANITATION DIST OF LOS	43422 10TH ST. WEST	100-15
LA COUNTY SANITATION DISTRICTS	43422 10TH STREET WEST	100-15
ANTELOPE VALLEY FORD	1155 AUTOMALL DR	102-15
H W HUNTER INC	1130 AUTO MALL DR	102-15
H W HUNTER	1130 AUTO MALL DR	102-15
SIERRA TOYOTA	43301 12TH ST W	102-15
AERO BENDING CO	43328 N DIVISION ST	103-15
ATKINSONS ASSOC	233 EAST AVE K6	103-15
LANCASTER AUTO GROUP	43244 DRIVERS WY	105-15
LANCASTER HONDA	43226 DRIVERS WAY	105-15
KAISER PERMANENTE	43112 15TH STREET WEST	107-15
RADFORD CABINETS INC	216 E AVENUE K8	113-15
B & M GREEN ENTERPRISES	43121 VENTURE	114-15
LANCE CAMPER MANUFACTURING	43120 VENTURE ST	114-15
L.A. COUNTY WATERWORK DISTRICT	43205 NO. DIVISION ST.	116-15
ADHOR FARMS	43061 N SIERRA HWY	116-15
DELUXE CHECK PRINTERS INC	42933 BUSINESS CENTER P	117-15
U-HAUL COMPANY OF CALIFORNIA	42925 SIERRA HWY	118-15
CAMACHO AUTO SALES INC	42907 SIERRA HWY	118-15
NATIONAL WATER WORKS HDWW1790	42839 N SIERRA HWY	118-15
INEZ CRAVENS	42831 N SIERRA HIGHWAY	118-15
STEVENS CONSTRUCTIONS	530 WEST AVE L	120-15
CHEVRON STATION 20 1268	4163 W AVE L	121-14
SAV-ON #9618	4105 W AVENUE L	121-14
CVS PHARMACY # 9618	4105 W AVENUE L	121-14
SAV ON DRUG #3018	4105 W AVENUE L	121-14
UNITED PARCEL SERVICE, INC	290 WEST AVENUE L	122-15
WEST SIDE CLEANERS	4029 W AVE L	123-14
VONS NO 29	4033 W AVE L	123-14
THE MOVING STORE	42755 SIERRA HWY	126-15
NU EASE INC	42644 VALLEY LINE RD	128-15
NU-EASE INC	42644 VALLEY LINE RD	128-15
KARS	42635 SIERRA HWY	128-15
DEBELLING & HOLMES	42618 4TH ST E	130-15
BILL'S LANDSCAPING INC	42536 4TH ST EAST	131-15
HARDCAST ENT INC	42525 5TH ST EAST	132-15
SOUTHLAND FRAMERS INC	42307 4TH ST EAST	135-15
UNDERGROUND UNLIMITED	42353 8TH ST E	137-15
PRAFUL AMIN	42307 6TH STREET	139-15
ANTELOPE VALLEY CARB	42239 SIERRA HWY	140-15
KARCO TRANSMISSIONS	42211 SIERRA HWY	140-15
DALES HITCHIN STATION INC	42207 3RD ST E	142-15
DALES HITCHIN STATION INC	42207 N 3RD ST E	142-15
BFI WASTE SYSTEMS OF NORTH AME	42159 N 3RD ST E	142-15
COUNTY OF LA DEPT OF PUBLIC WO	42007 NORTH 40TH ST EAS	144-16
SUPER LIGHTS INC	42155 8TH ST EAST	145-15
SUPER LIGHTS INC	42144 8TH ST EAST	145-15
NATIONAL METAL STAMPINGS INC	42110 8TH ST E	145-15
HIGH SIERRA GENERAL ENGINEERIN	42148 4TH ST EAST	146-15

EXECUTIVE SUMMARY

Site	Address	Map ID
D CONSTRUCTION	42111 5TH ST E	147-15
STORE STUFF	42133 CHALLENGER WAY	148-15,16
LOS ANGELES FIRE DEPARTMENT	42110 SIXTH ST WEST	149-15
SOIL TECH INC	42104 6TH ST EAST	149-15
ARCO PRODUCTS COMPANY	41923 SIERRA HWY	150-15
BP WEST COAST PRODUCTS LLC 055	41923 SIERRA HWY	150-15
ARCO FACILITY NO 05579	41923 SIERRA HWY	150-15
A A PORTANOVA & SONS INC	42021 4TH ST E	152-15
AVENUE M AUTOMOTIVE	461 EAST AVE M	152-15
GRANITE CONSTRUCTION COMPANY	213 EAST AVENUE M	156-15
CIRCULATION AIR INC	1109 W AVE M	157-15,16
AG SOD FARMS INC	41120 40TH ST EAST	158-16
NORTHROP CORP B2 DIVISION PALM	3520 E AVENUE M	162-16
AF PLANT 42, SITE 1(ROCKWELL -	1500 E AVENUE M	163-16
GAUR ENTERPRISE INC	41923 SIERRA HWY	169-15
PACIFIC BELL	39959 SIERRA HWY	174-19
ANTELOPE VALLEY COUNTRY CLUB I	39800 COUNTRY CLUB DR	175-19
ANTELOPE VALLEY COUNTRY CLUB	39800 COUNTRY CLUB DR	175-19
THE PICTURE PEOPLE INC	1233 W AVENUE P UNIT 40	176-19
CIRCLE CEE PRECISION	39725 SIERRA HWY	177-19
RITZ/KITS CAMERA #938	1233 W AVE P STE 1107	178-19
LA COUNTY FIRE DEPT #27	1050 WEST AVENUE P	178-19
MIZAR INC	1040 W AVE P	178-19
UNOCAL #5673	1022 W AVENUE P	178-19
UNOCAL #5673	1022 W RANCHO VISTA BLV	178-19
LA CO FD FIRE STA #024	1050 W AVE P	178-19
GRACE VENTURS LLC	39525 W 10TH ST	178-19
TELESIS COLLISION CENTER	636 EAST AVENUE P	179-19
MAACO AUTOPAINTING AND BODYWOR	520 E AVE P	179-19
LOWE'S HIW-PALMDALE #791	39500 LOWES DR	180-19
LOWES HIW	39500 LOWES DR	180-19
WASHINGTON MUTUAL BANK	1261 W AVENUE P	181-19
KIT'S CAMERA #116	1233 WEST AVENUE "P"	181-19
EXPRESSLY PORTRAITS INC	1233 W AVENUE P UNIT 40	181-19
SEARS ROEBUCK AND CO 1068/6098	1345 WEST AVENUE P	182-19
EXXONMOBIL OIL CORPORATION	520 W AVENUE P	183-19
Not reported	520 AVE P	183-19
THE HOME DEPOT #638	340 WEST AVE P	183-19
WAL-MART STORE #1660	320 WEST AVENUE P	184-19
WESTERN DENTAL SERVICES, INC.	510 W AVE P	184-19
MIKE FREEMAN'S GERMAN AUTOMOTI	39450 STREET EAST	187-19
C AND T MACHINING	39450 3RD ST EAST	187-19
BROTHERS SWISS INC	39450 3RD ST EAST #107	187-19
BLACKWELLS IMPORT SERVICE CENT	39450 3RD ST E STE 113	187-19
TRI-MAR PRECISION INC	39450 3RD ST EAST STE 1	189-19
WINNELL DEVELOPMENT CORPORATION	39450 3RD ST E STE 134	189-19
EXPRESS STOP PHOTO (TARGET #06	39440 10TH ST WEST	190-19
1 X TARGET	39440 10TH STREET W.	190-19
TITEQ CORP	39360 3RD ST EAST UNIT	192-19
R B MACHINING, INC.	39360 3RD ST EAST UNIT	192-19
R B MACHINING	39360 3RD ST EAST UNIT	192-19
PALMDALE SCHOOL DISTRICT	39210 NO TENTH ST EAST	194-19,20
PALMDALE SCHOOL DISTRICT	919 E AVENUE P8	194-19,20
TEJON CONSTRUCTORS INC	926 E AVENUE P-8	194-19,20
STEVE BROWN	2002 COMSTOCK CRT	197-19
DEPT AIRPORTS-CITY OF LA	2044 E AVENUE P8	198-20

EXECUTIVE SUMMARY

Site	Address	Map ID
PROFESSIONAL PIPELINE	39130 3RD STREET	200-19
HIGHLAND AUTO BODY AND PAINT	39126 3RD ST E	200-19
VISION AUTO BODY & COLLISION	39126 3RD STREET EAST	200-19
ANDRE'S AUTO BODY	39126 3RD ST EAST	200-19
LIDLAW TRANSIT, INC	39110 3RD STREET, EAST	200-19
CITY OF PALMDALE - 3RD ST MAIN	39110 3RD ST E	200-19
CITY OF PALMDALE 3RD ST MAINT	39110 3RD ST E	200-19
PALMDALE SCHOOL DIST	39139 -10TH ST EAST	201-19,20
CITY PALMDALE - PUBLIC WORKS	39015 STANRIDGE AVE	205-19
NORTHRIDGE EQUIPMENT RENTAL	38860 N SIERRA HWY	207-19
AR AUTOBODY & PAINT	38820 3RD ST EAST	208-19,23
AR AUTO BODY & PAINT	38820 3RD ST EAST	208-19,23
SANDY HARMON/MCAULIFFE MECHANICAL	38822 THIRD STREET EAST	208-19,23
CITY OF PALMDALE	38647 SIERRA HIGHWAY	209-23
GASCO	38627 N SIERRA HWY	209-23
INDUSTRIAL RADIATOR & MUFFLER	38755 6TH ST.	210-19,23
HIGH DESERT AUTO ELECTRIC	38744 6TH ST E UNIT E	210-19,23
FRENCYS DENT SHOP	38744 N 6TH ST EAST UNI	210-19,23
DESERT RADIATOR & WELDING	38744 6TH ST E	210-19,23
AR AUTOBODY & PAINT	38702 6TH ST E	210-19,23
ABLE SPECIALTY CARS	38633 NORTH 6TH STREET	214-19,23
COUNTRY AUTOMOTIVE	38545 6TH ST E	214-23
PRECISION AUTO BODY	38554 6TH STREET EAST	214-23
VALLEY VOLKSWAGEN AND HONDA	38525 N 6TH ST E	214-23
PALMDALE COLLISION CENTER	38540 6TH ST E	214-23
RIGHT PERFORMANCE	38545 6TH ST B	214-23
HANKS SERVICE CENTER	38519 6TH ST	214-23
LARRYS VALUE AUTO CENTER	38475 6TH ST E	214-23
PALMDALE COLLISION CENTER	38475 6TH ST EAST	214-23
PALMDALE RADIATOR	38475 6TH ST E UNIT 1B	214-23
E & H ENTERPRISE	38453 6TH ST EAST UNIT	214-23
CITY OF PALMDALE	38465-69 SIERRA HWY	218-23
MIRACLE CLEANERS	38456 N SIERRA HWY	218-23
PACC AUTOMOTIVE	38446 8TH ST E	218-23
MY AUTO SHOP	38446 8TH ST EAST	218-23
J FOSTER WEEMS DDS	829 EAST AVE Q-7	218-23
CITY OF PALMDALE	38443 SERRIA HWY	218-23
HOME SAVINGS OF AMERICA	38434 9TH ST E	218-23
76 PRODUCT FACILITY #1016	38405 SIERRA HWY N	218-23
DR. MD HOPPER, DC	465 E PALMDALE BLVD,#A	218-23
7-ELEVEN STORE 24483	38400 N SIERRA HWY	218-23
TERRIBLE HERBST GAS STATION	556 E PALMDALE BLVD	218-23
SIGNS & DESIGNS	821 E AVE Q-7	218-23
REGINA ISAAC	470 E PALMDALE BLVD	218-23
PALMDALE PITSTOP	38411 10TH ST EAST	218-23,24
7-ELEVEN #24483	703 E PALMDALE BLVD	218-23
CSI INC/CARGO SOLUTION INC	470 E PALMDALE BLVD	218-23
ONE HOUR PHOTO MASTERS	533 E PALMDALE BLVD STE	218-23
DANIEL E WILDES JR DC INC	509 E PALMDALE BLVD STE	218-23
A PRO CLEANERS	533 E PALMDALE BLVD UNI	218-23
PACIFIC BELL	901 PALMDALE BLVD	218-23
AUTOZONE #5460	1138 E PALMDALE BLVD	218-23,24
KANGAROO OIL AND MARKET	960 E PALMDALE BLVD	218-23,24
MIDAS MUFFLER SHOP	926 EAST PALMDALE BLVD	218-23
NOBBYS AUTO PARTS	838 E PALMDALE BLVD	218-23
CITY OF PALMDALE	38363 NO SIERRA HWY	218-23

EXECUTIVE SUMMARY

Site	Address	Map ID
LOS ANGELES COUNTY FIRE DEPART	38318 E 9TH ST EAST-STA	218-23
WILLIAM PIERCE	932 E AVENUE Q # 10	218-23
CITY OF PALMDALE	904 E AVENUE Q10	218-23
CITY OF PALMDALE	926 E AVENUE Q-11	218-23
PETRO-LOCK	38206 NORTH SIERRA HWY	218-23
SOUTHERN PACIFIC TRANSPORTATIO	38201 SIERRA HIGHWAY	218-23
SHELL SERVICE STATION	1853 E PALMDALE	221-24
WESTERN MEDICAL GROUP	2151 EAST PALMDALE BLVD	221-24
VALLARTE SUPERMARKETS	1803 PALMDALE BLVD	221-24
SMITH'S FOOD & DRUG CENTERS IN	38360 20TH ST EAST	221-24
ROMEIO I STOLL DDS MS INC	38431 20TH ST EAST	221-24
SHELL	1853 E PALMDALE	223-24
GATEWAY CLEANERS	1813-A PALMDALE BLVD	223-24
FOUR STAR PRINTING	1647 EAST PALMDALE BLVD	223-24
THE CHIROPRACTIC CLINIC	1543 E PALMDALE BLVD,	223-24
COMMUNITY CAR CENTER	1520 E PALMDALE BLVD	223-24
HAPPY MOON INC DBA PALMDALE CA	1520 E PALMDALE BLVD	223-24
CAMINO WEST COAST SERVICES INC	1540 E PALMDALE BLVD	223-24
PERFORMANCE AUTO CARE	1550 E PALMDALE BL	223-24
PALMDALE FAST LUBE	1560 E PALMDALE BLVD, #	223-24
JACOBS OIL CO	1518 PALMDALE BLVD E	223-24
PALMDALE AUTO CENTER	1540 PALMDALE BLVD	223-24
PALMDALE ARMORY CA ARNG	38315 NO 30TH STREET EA	227-24
A & E AUTOMOTIVE	38304 6TH ST EAST UNIT	228-23
ANTELOPE VALLEY RADIATOR SVC	38304 6TH ST E #B	228-23
CITY OF PALMDALE COURSON SHOP	38233 11TH STREET E	230-23,24
CITY OF PALMDALE	38211 10TH ST E	231-23,24
BDR INC	38244 6TH ST E	232-23
WILSON AMBULANCE SERVICE	38241 6TH ST E	232-23
PALMDALE UNI-BODY & FRAME	38018 9TH ST E	232-23
PALMDALE UNI-BODY AND FRAME	38018 9TH ST E	232-23
CASSON SONS GOODYEAR	37957 SIERRA HWY	232-23
JAMES A ANDERSON	37922 SIERRA HWY	232-23
L.A. PUBLIC WORKS	38126 N. SIERRA HWY	233-23
ROAD ELEMENT MD5	38126 N SIERRA HWY	233-23
ANTELOPE VALLEY BAPTIST CHURCH	38117 13TH ST EAST	234-24
CITY OF PALMDALE	38115 30TH ST EAST	235-24
CITY OF PALMDALE	38115 30TH ST W	235-24
PALMDALIA APTS	38040 11TH ST	238-23,24
COLOR RITE DISTRIBUTING	1817 E AVE Q UNIT C24	240-24
BRUCE & TINA'S SERVICE CENTER	1817 EAST AVE Q UNIT-	240-24
THE SOUTHLAND CORP SS 15127	2873 E AVE R	241-24
PALMDALE HIGH SCHOOL	2137 E AVENUE R	242-24
TRI VALLEY AUTO BODY AND FRAME	524 E AVENUE R	243-23
QUALITY AUTOMOTIVE	37959 6TH ST EAST	245-23
WARP'D PAINT	37925 6TH ST E STE 408	245-23
SIERRA AUTO BODY	37835 N SIERRA HWY	248-23
SIERRA AUTO BODY	37835 SIERRA HWY	248-23
COLORMASTERS PRINTING	37824 5TH ST EAST	251-23
ARMANDO AUTO BODY SHOP & PAINT	37824 5TH ST EAST UNIT	251-23
RPF PRECISION	37824 5TH ST EAST UNIT	251-23
ARMANDO BODY SHOP	37824 5TH ST EAST UNIT	251-23
SMITH AND THOMPSON PUMPING CO	2208 GREGORY AVE	256-24
ROBERT SCHACK	37207 47TH ST	258-25
TEXACO REFINING & MARKETING, I	37204 47TH	258-25
LISA KNIBBS	37237 MAHONIA AVE	265-25

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
CHEVRON STATION NO 205671	37217 47TH ST E	266-25
ALFA CLEANERS	4626 E AVE S STE A	268-25

Emissions Inventory Data: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2005 has revealed that there are 103 EMI sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
RITE AID	2801 W. AVENUE H	16-11
A.V. COLLISION REPAIRS	45351 N DIVISION ST	20-12
PETRO LOCK INC	45315 N TREVOR AVE	23-12
L&M AUTO BODY	45116 N YUCCA	23-12
A V AUTO BODY & TRUCK	45231 N TREVOR AVE	23-12
EBY'S BODY SHOP	45240 TREVOR	23-12
GOLDEN EAGLE COLLISION	45232 TREVOR AVE	23-12
TOMS BODY SHOP	202 W AVENUE I	23-12
CALIFORNIA COLLISION CENTER	45050 N. TREVOR AVENUE	23-12
CALCOL INC DBA CALIFORNIA COLL	45050 N TREVOR AVE	23-12
MAGNA COLOR	45024 N. TREVOR AVE	23-12
ANTELOPE VALLEY ROOFING CO.,IN	45253 SPEARMAN AVE	24-12
LACO SHERIFF'S DEPT. -LANCASTE	501 WEST LANCASTER BLVD	28-12
GEORGES CLEANERS, GEORGES PULO	44759 BEECH AVE.	28-12
H. W. HUNTER INC	44733 NO. SIERRA HWY	28-12
FIVE STAR AUTO BODY	44733 NORTH SIERRA HIGH	28-12
EAGLE AUTO BODY	44624 NO SIERRA HWY	28-12
LANCASTER JEEP EAGLE	44606 N SIERRA HWY	28-12
EARL SCHEIB AUTO PAINTING	44500 N SIERRA HWY	28-12
DEPT OF PUBLIC WORKS	419 W AVENUE J	28-12
CASA DE MIGUEL, DBA MIGUEL MON	44245 N. SIERRA HWY.	28-12
CARLS JR. #64	44361 NORTH SIERRA HIGH	28-12
DESERT INN RESTAURANT, ETAL GA	44219 N. SIERRA HWY.	28-12
LEO'S AUTO BODY	45003 N. YUCCA AVE	30-12
MISSION LINEN SUPPLY INC	44926 N. YUCCA AVE	31-12
A. V. CUSTOM PLATING	44813 N YUCCA AV	31-12
BOWEN ELECTRIC INC	318 W NEWGROVE ST	35-12
INDUSTRIAL RADIATOR & MUFFLER	44706 YUCCA AVE	35-12
ACTION AUTO BODY AND PAINT'	312 W NORBERRY	35-12
LANCASTER BODY AND FRAME	44603 TREVOR ST	35-12
LANCASTER BODY & FRAME, DICK M	226 W. NUGENT ST.	35-12
THE CHERRY SHOP, GEOFFREY N LAN	118 NUGENT ST	35-12
US POLE /SUPERIOR POWDER COATI	124 WEST OVINGTON ST.	35-12
SO CAL GAS CO	44416 DIVISION ST	38-12
SCG - LANCASTER DISTRICT	44416 N. DIVISION ST	38-12
ACME RENTS	44110 YUCCA AVE	46-12
UNION OIL OF CAL	44141 N YUCCA AV	46-12
FRESH AIR ENVIRONMENTAL	44063 BEECH AVE, 44900	48-12
LANCASTER COMMUNITY HOSPITAL	43830 10TH STREET WEST	60-12,15
LANCASTER COMMUNITY HOSPITAL	43830 10TH ST N	60-12,15
BURGER KING	43627 NORTH 15TH STREET	72-15
ANTELOPE VALLEY COLLEGE	3041 W AVENUE K	73-14
GADSDEN CLEANERS, DBA DONNA HA	43535 GADSDEN AV, #G	79-15

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
MR. KAY'S, ANDREW KAPPAS DBA	235 WEST AVENUE K	80-15
GTE OF CAL	43508 20TH	88-15
VERIZON GC 529	43508 20TH STREET WEST	88-15
VERIZON GC 532	43534 22ND STREET	93-16
TARGET 245	43525 N 10TH ST. WEST	94-15
HBT&F, INC	43451 GADSDEN	96-15
VERIZON GC 644	43334 5TH STREET EAST	101-15
PHOENIX INTERNATIONAL HOTEL	43321 N. SIERRA HWY	104-15
BRUNSWICK SANDS BOWL	43233 SIERRA HIGHWAY	109-15
DELUXE MANUFACTURING OPERATION	42933 BUSINESS CENTER P	117-15
BUILDERS CABINETS, JIM EUDY DB	212 E AVENUE 'L'	124-15
WALKER CASTING & FABRICATION	42525 5TH STREET 'E'	132-15
HARDCAST ENT INC	42525 5TH ST EAST	132-15
WOODY'S UNFINISHED FURNITURE	42425 5TH STREET EAST	134-15
A V READY MIX INC	42201 N DIVISION ST	140-15
DALE'S HITCHIN' STATION INC	42209 3RD ST EAST	142-15
LACO (ISD) - 4TH STREET WEST	42011 4TH STREET WEST	152-15
ROCKWELL INTL CORP, NORTH AMER	3000 E AVENUE M, PLANT 4	159-16
NORTHROP CORP, SITE 4	3520 EAST AVENUE M	162-16
NORTHROP GRUMMAN, CORP	3520 EAST AVENUE 'M'	162-16
NORTHROP CORP B2 DIVISION PALM	3520 E AVENUE M	162-16
ROCKWELL INTERNATIONAL - NAAO	1500 EAST AVENUE 'M'	163-16
BOEING REUSABLE SPACE SYSTEMS	1500 E. AVENUE M	163-16
BOEING SITE 1-TEAM PALMDALE ED	1500 E. AVENUE M	163-16
SHUTTERS BY ANGEL	811 EAST AVENUE M	164-15
A. BIEDERMAN INC	190 SIERRA COURT, UNIT	171-15
THE PICTURE PEOPLE INC	1233 W AVENUE P UNIT 40	176-19
CARLS JR. #619	1031 W. AVENUE P	178-19
FIBER IMAGES	624 EAST RANCHO VISTA B	179-19
TELESIS COLLISION	636 E. RANCHO VISTA BLV	179-19
SIGNS AND DESIGNS	620 E. RANCHO VISTA BLV	179-19
ANTELOPE VALLEY MALL	1233 RANCHO VISTA BLVD	181-19
TARGET CORPORATION T-685	39440 10TH ST. WEST	190-19
PALMDALE SCHOOL DISTRICT	39149 N. 10TH ST EAST	194-19,20
MURPHY SAFETY SWITCH OF CAL	39210 N. 10TH ST. EAST	194-19,20
ANDRE'S AUTO BODY	39126 3RD STREET EAST	200-19
CITY OF PALMDALE	39110 3RD. ST. EAST	200-19
NORTHRIDGE EQUIPMENT RENTALS/C	38860 N SIERRA HWY	207-19
THE DENT SHOP, WAYNE ROBERTS D	38744 6TH STREET EAST #	210-19,23
SUPER STRIPES	38565-38567 6TH ST	214-23
PRECISION AUTO BODY	38554 6TH STREET EAST	214-23
WARMAN IND INC	38554 6TH ST EAST	214-23
PALMDALE COLLISION CENTER, A	38540 6TH EAST, UNIT A	214-23
CAL GAS-PALMDALE INC	38476 NO. 6TH STREET EA	214-23
E & H ENTERPRISE	38453 6TH ST, UNIT E	214-23
MIRACLE CLEANERS, W.B. JERNIGA	38456 N SIERRA HWY	218-23
PACIFIC BELL DBA SBC	901 E. PALMDALE BLVD	218-23
PACIFIC BELL (KC-132)	901 E PALMDALE BLVD	218-23
LACO SHERIFF'S DEPT-PALMDALE S	1020 EAST PALMDALE BLVD	218-23,24
PALMDALE CITY HALL	38300 SIERRA HWY	218-23
GATEWAY CLEANERS, YOUNG IL KAN	1813-A PALMDALE BL	223-24
ANTELOPE VALLEY MORTUARIES	38141 N. 6TH STREET EA	232-23
PALMDALE UNI-BODY AND FRAME	38018 N. 9TH STREET EAS	232-23
PALMDALE BODY SHOP, RON GUDIM D	38018 N 9TH ST EAST	232-23
LACO DPW-PALMDALE SHOP	38126 SIERRA WAY	233-23
ROAD ELEMENT MD5	38126 N SIERRA HWY	233-23

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
MCADAM PARK - CITY OF PALMDALE TRI VALLEY AUTO BODY AND FRAME	38115 30TH ST. EAST 524 E AVENUE R	235-24 243-23
ARK ANIMAL REMOVAL AND KREMATI SIERRA AUTO BODY	37925 6TH STREET EAST, 37835 N SIERRA HWY	245-23 248-23

HAULERS: A listing of registered waste tire haulers.

A review of the HAULERS list, as provided by EDR, and dated 09/17/2007 has revealed that there is 1 HAULERS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
THE TIRE STORE	43923 SIERRA HIGHWAY	55-12,15

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/28/2007 has revealed that there are 5 ENVIROSTOR sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>
GREAT LAKES CARBON CORP. Facility Status: Refer: Other Agency	1050 SIERRA HIGHWAY	2-6
AVENUE A UNAUTHORIZED DISPOSAL Facility Status: Active	AVENUE A 1-1/2 MILE EAS	11-7
REX PERRIS VALLEY CONTINUATION Facility Status: No Further Action	AVENUE Q/6TH STREET	210-19,23
GATEWAY CLEANERS Facility Status: Refer: 1248 Local Agency	1813-A E. PALMDALE BLVD	223-24
PONDEROSA ELEMENTARY SCHOOL Facility Status: No Further Action	PEARBLOSSOM HIGHWAY/37T	273-24

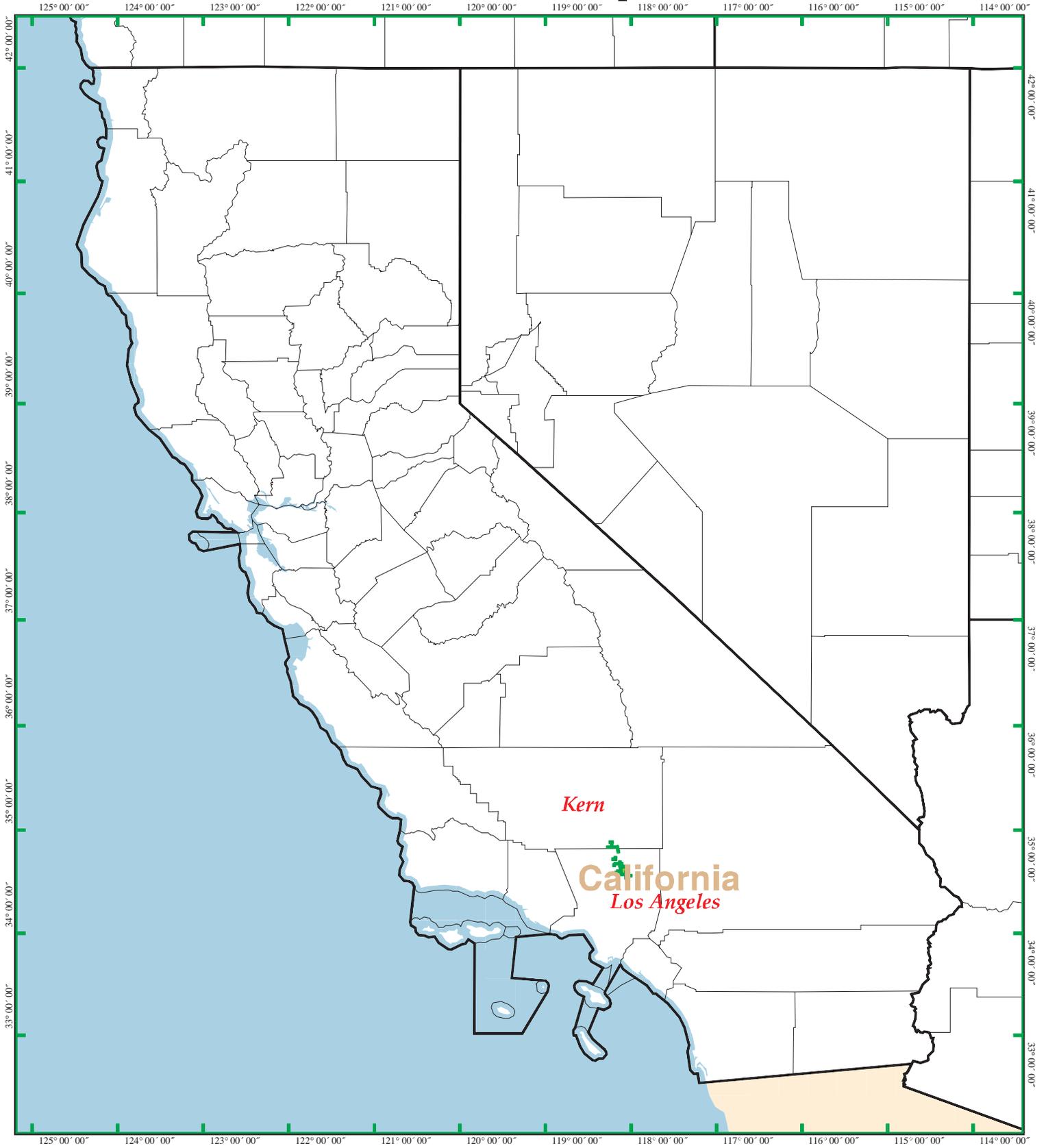
EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

Section 1

Overview and Key Map

Overview Map

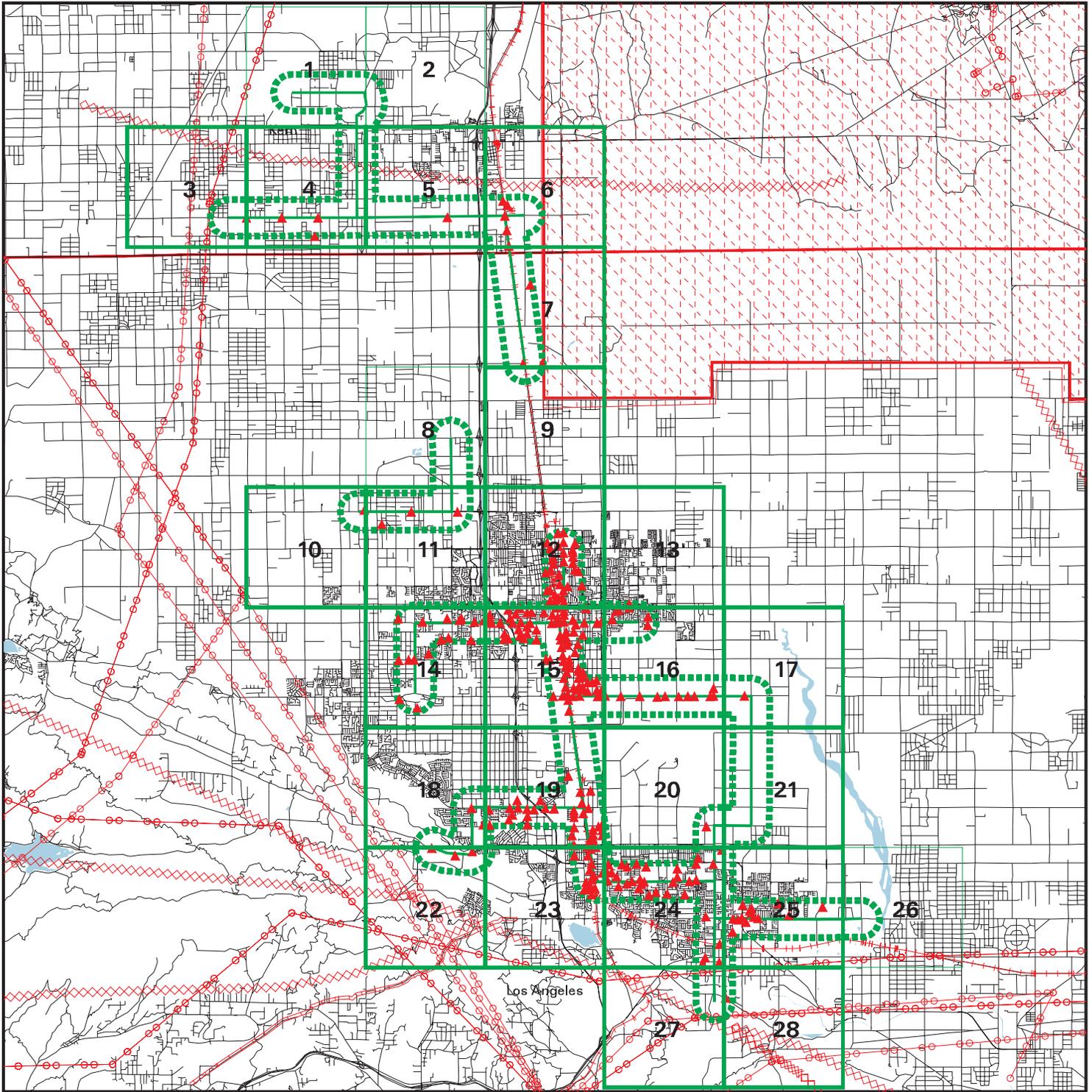


EDR DataMap® - Environmental Atlas

LA/Kern County Recycle Water Facility



Key Map



EDR DataMap® - Environmental Atlas

LA/Kern County Recycle Water Facility

Legend

- | | | | | |
|---------------|----------------|-------------------------|-------------------|--------------|
| Roads | Waterways | Powerlines | Water | Listed Sites |
| Major Roads | Railroads | Pipelines | Superfund Sites | |
| Contour Lines | Study Boundary | Fault Lines | Federal DOD Sites | |
| | | Indian Reservations BIA | | |



Scale in Miles

APPENDIX G

FLOOD INSURANCE RATE MAPS



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

CITY OF
LANCASTER,
CALIFORNIA
LOS ANGELES COUNTY

PANEL 10 OF 20
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
060672 0010 B

EFFECTIVE DATE:
JANUARY 6, 1982



federal emergency management agency
federal insurance administration

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

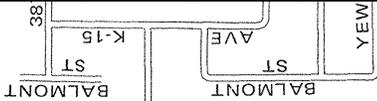
40th Street West

Areas being considered for Reservoir 1

ZONE C

ZONE B

Avenue M



35TH STREET WEST

AVENUE L

AVENUE L-2

AVENUE L-4

AVENUE L-6

WEST

WEST

WEST

WEST

WEST

WEST

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM1	2318.03	County Surveyors Monument, stamped (1/4 Cor 178 R12W T7N), in well, 12 inches down, at centerline of the intersection of Avenue I and 25th Street West. Established by Los Angeles County Engineering Department.
RM2	2314.02	County Surveyors Monument, stamped (Co Sur 5, 6, 7, 8, R12W T7N), in well, 14 inches down, at centerline of the intersection of 30th Street West and Avenue H. Established by Los Angeles County Engineering Department.
RM3	2317.97	Lead and tack at west end of south headwall of bridge No. 53-406, 20 feet south of the centerline of Avenue I and 100 feet east of 30th Street West. Established by the Los Angeles County Engineering Department.



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

CITY OF
PALMDALE,
CALIFORNIA
LOS ANGELES COUNTY

(SEE MAP INDEX FOR PANELS NOT PRINTED)

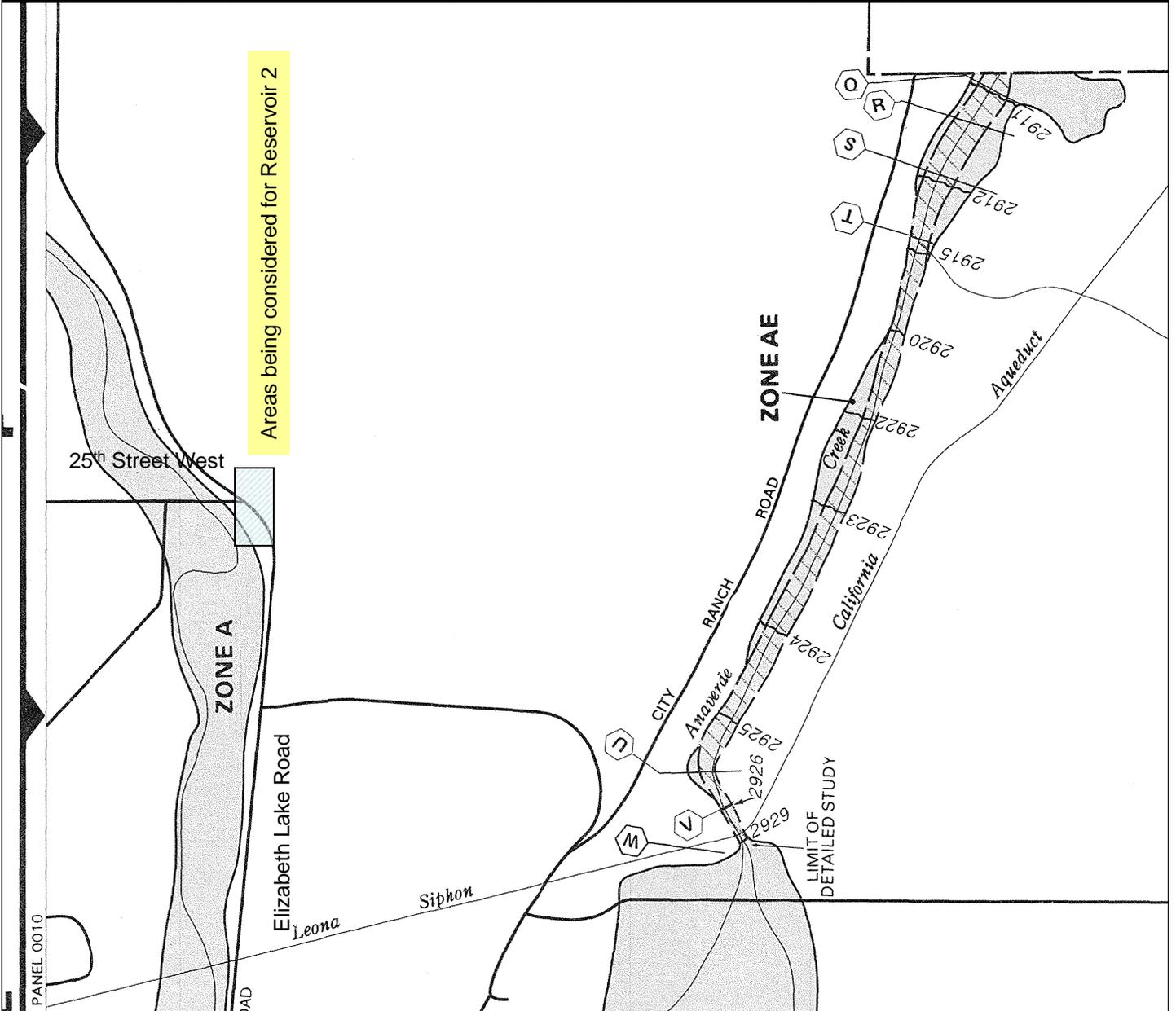
COMMUNITY-PANEL NUMBER
060144 0020 D

MAP REVISED:
MARCH 30, 1998



Federal Emergency Management Agency

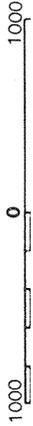
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



PANEL 0010



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
PALMDALE,
CALIFORNIA
LOS ANGELES COUNTY

(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
060144 0040 D

MAP REVISED:
MARCH 30, 1998



Federal Emergency Management Agency

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Areas being considered for Reservoir 3

40th Street East

S



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
KERN COUNTY
CALIFORNIA
(UNINCORPORATED AREAS)

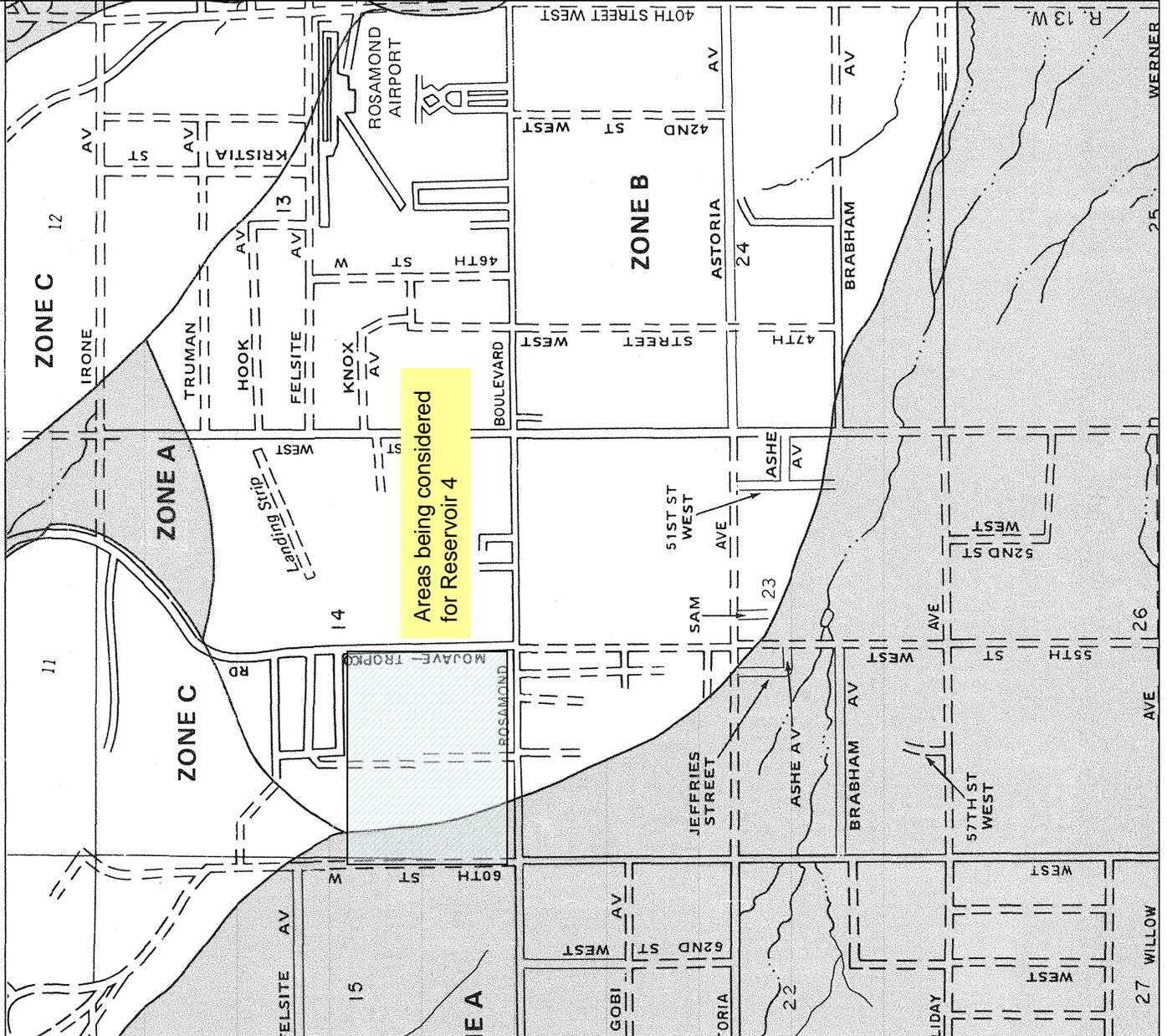
PANEL 2025 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
060075 2025 D
MAP REVISED:
SEPTEMBER 6, 1995



Federal Emergency Management Agency

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APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

LOS ANGELES COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 95 OF 1275
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
065043 0095 B

EFFECTIVE DATE:
DECEMBER 2, 1980



federal emergency management agency
federal insurance administration

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

JOINS PANEL 0085

26

Avenue F

F

Division Street

ZONE A

Areas being considered for Distribution Pump Station 1

35

34



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

LOS ANGELES COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 275 OF 1275
(SEE MAP INDEX FOR PANELS NOT PRINTED)

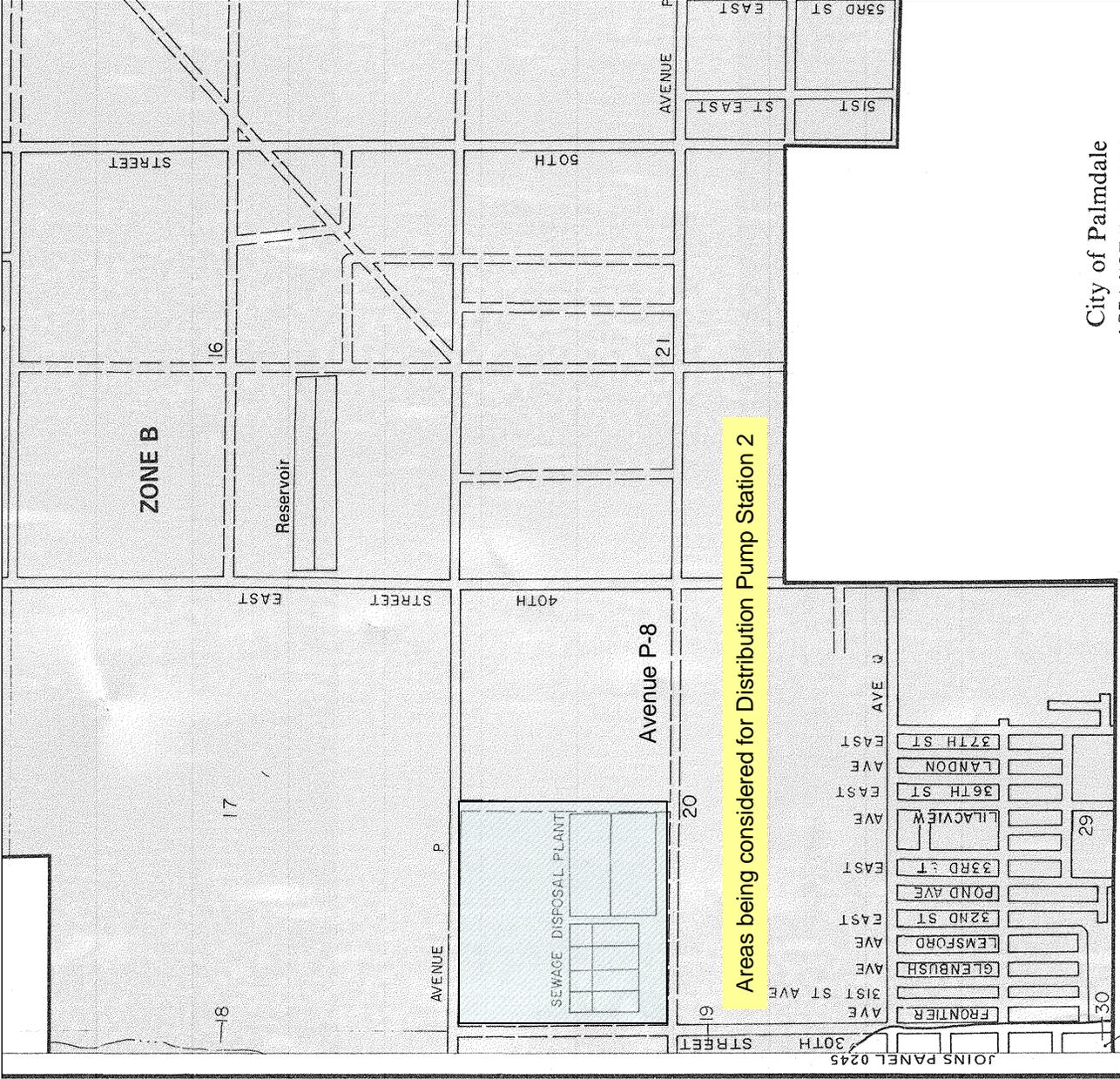
COMMUNITY-PANEL NUMBER
065043 0275 B

EFFECTIVE DATE:
DECEMBER 2, 1980



federal emergency management agency
federal insurance administration

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



Areas being considered for Distribution Pump Station 2

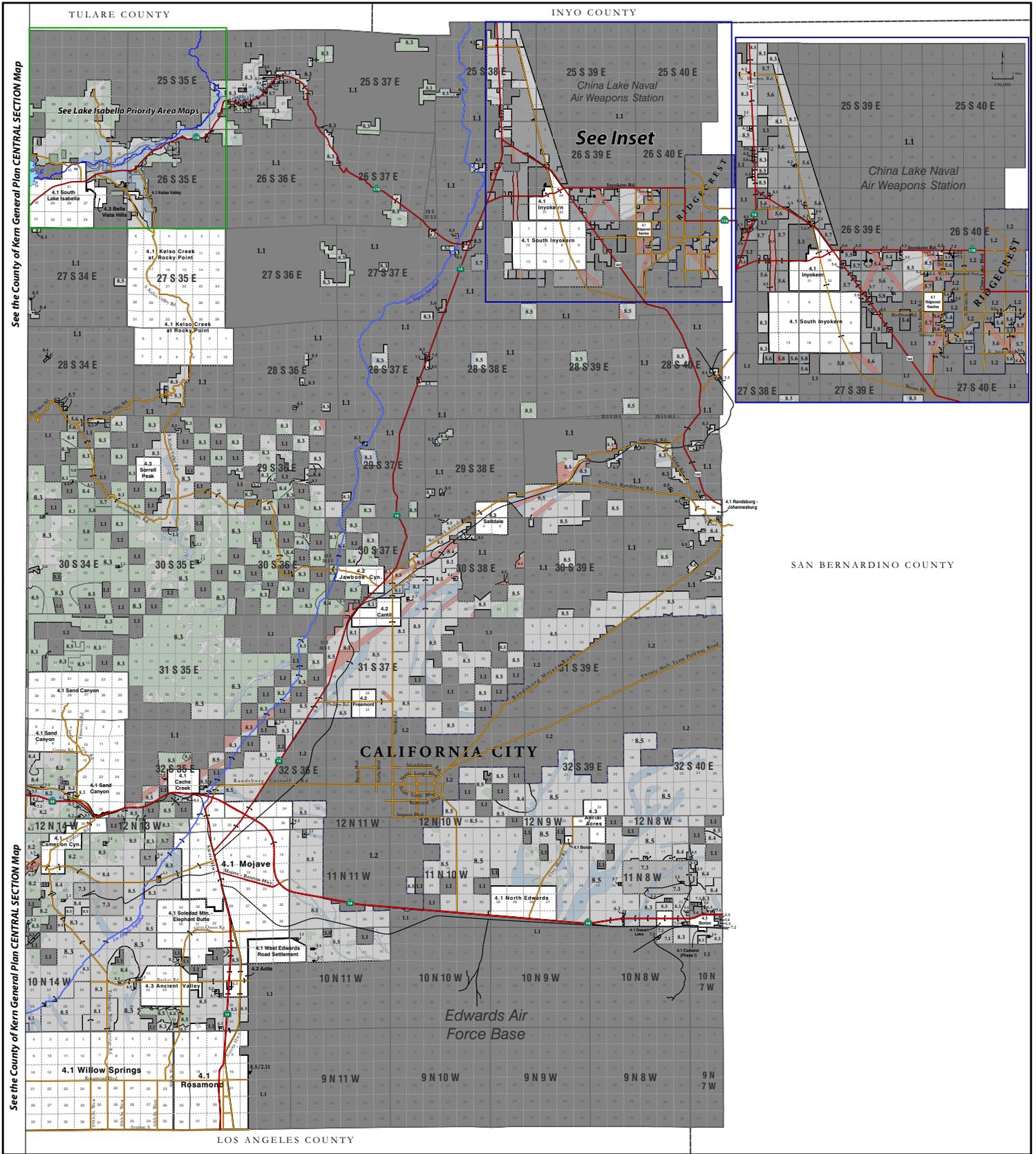
City of Palmdale
AREA NOT INCLUDED

ZONE C

APPENDIX H

LAND USE MAPS

KERN COUNTY LAND USE MAP



See the County of Kern General Plan CENTRAL SECTION Map

See the County of Kern General Plan CENTRAL SECTION Map

Land Use, Open Space & Conservation Element

Kern County General Plan

Kern County Board of Supervisors
April 15, 1982



Kern County, Eastern Section

1. Non-jurisdictional land

- 1.1 State or federal land
- 1.2 Incorporated cities

2. Environmental constraints overlay

- 2.1 Seismic hazard
- 2.2 Landslide
- 2.3 Shallow ground water
- 2.4 Steep slope
- 2.5 Flood hazard

3. Public facilities

- 3.1 Public or private recreation areas
- 3.2 Educational facilities
- 3.3 Other facilities
- 3.4 Solid waste facilities
- 3.5 Designated area where hazardous waste facility siting criteria might be applicable. See current Kern County & incorporated cities hazardous waste management plan for details.

4. Non-jurisdictional land

- 4.1 Accepted county plan areas
- 4.2 Rural community
- 4.3 Specific plan required

5. Residential

- 5.1 Max. 29 units/net acre (1,502 sq.ft. site area/unit)
- 5.2 Max. 16 units/net acre (2,722 sq.ft. site area/unit)
- 5.3 Max. 10 units/net acre (4,356 sq.ft. site area/unit)
- 5.4 Max. 4 units/net acre (10,890 sq.ft. site area/unit)
- 5.5 Max. 1 unit/net acre (43,560 sq.ft. site area/unit)
- 5.6 Min. 2.5 gross acres/unit
- 5.7 Min. 5 gross acres/unit
- 5.8 Min. 20 gross acres/unit

6. Commercial

- 6.1 Major commercial
- 6.2 General commercial
- 6.3 Highway commercial

7. Industrial

- 7.1 Light industrial
- 7.2 Service industrial
- 7.3 Heavy industrial

8. Resource

- 8.1 Intensive agriculture (min. 20 acre parcel size)
- 8.2 Resource reserve (min. 20 acre parcel size*)
- 8.3 Extensive agriculture (min. 20 acre parcel size*)
- 8.4 Mineral and petroleum (min. 5 acre parcel size)
- 8.5 Resource management (min. 20 acre parcel size*)

*80 acres with Watershed Act consent

By resolution number 82077, dated March 1, 1982, the Kern County Board of Supervisors adopted this map as a part of the Kern County General Plan in accordance with all State and County requirements.

James A. Lee
Chairman, Kern County Board of Supervisors

Carol J. Felt
County Clerk

California State Plane, Zone V, Tied, NAD 1983
Map prepared by the County of Kern Planning Dept., August 1, 2009
Please check with the dept. for the latest information.
<http://www.co.kern.ca.us/planning>



LOS ANGELES COUNTY LAND USE MAP

**Los Angeles County
General Plan Update** **DRAFT**
Generalized Land Use Policy
For Unincorporated
Los Angeles County

Figure 3.1

- Legend**
- Countywide General Plan**
- Plan Categories**
- RL- Rural Land
 - U- Urban
 - C- Commercial
 - I- Industrial
 - P- Public and Semi-Public Facilities
 - O- Open Space
 - TC- Transportation Corridor
 - SPECIFIC PLAN
 - OTHER*
 - Incorporated Cities

* Some Area, Community, Coastal, and Neighborhood Plans have special categories that are not compatible with adopted General Plan categories (such as Hillside Management, Special Use Sites, Parking Areas, Senior Citizen Density Bonus Area, etc.)

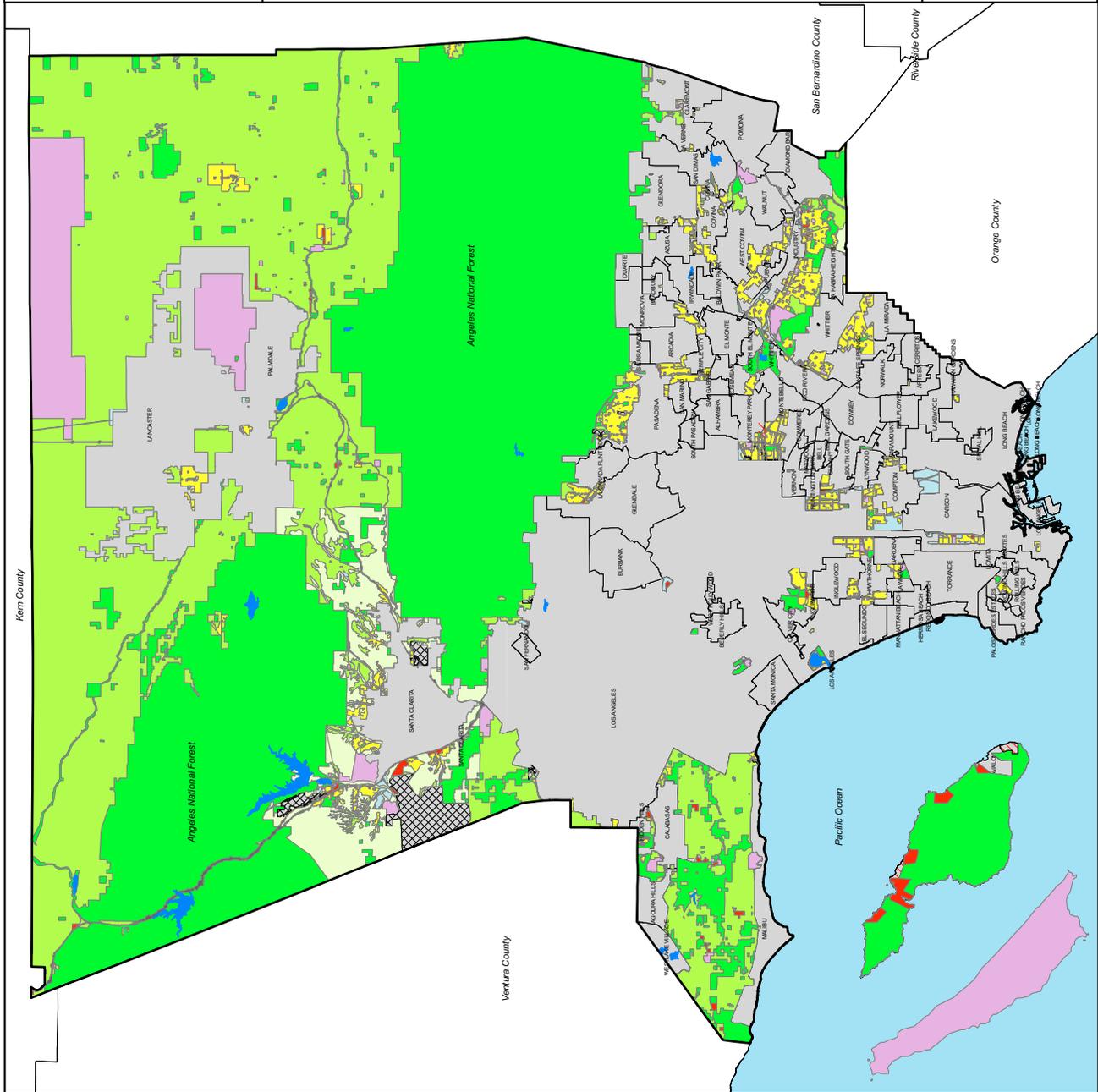
This policy map depicts generalized land use classifications, each of which is intended to describe the dominant use characteristics of a geographic area. The map is intended to provide a general overview of the generalized land use categories that are intended to be used in the General Plan. The information on this map represents an interpretation of the adopted Land Use Policy Map from the 1980 General Plan, including subsequent amendments and information updates.

This map is only an overview of generalized land use throughout the unincorporated county and local land use interpretation must be done by consulting local plans and maps.

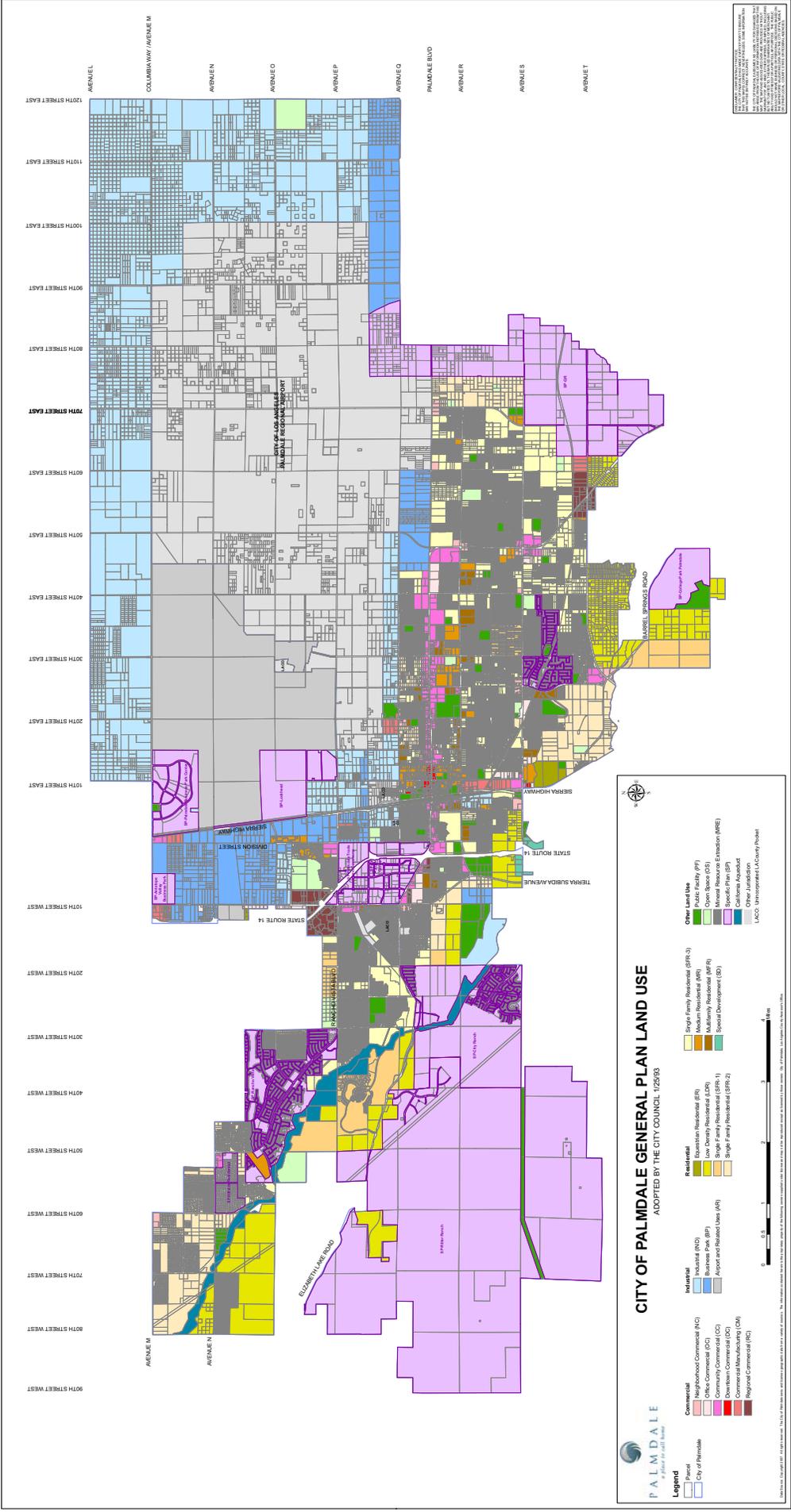
This map is a component of the Los Angeles County General Plan Update Program. It is a working draft subject to revision. Information within cities is for reference only. All suggestions for modifications to its contents received prior to August 30, 2007 will be considered by the Regional Planning Commission. Written comments and supporting documentation should be submitted to the Department of Regional Planning General Plan Development Section (address: 320 W. Temple St., Los Angeles, CA 90012; fax: 213-626-0434; or email: generalplan@planning.lacounty.gov).



Los Angeles County Dept. of Regional Planning



CITY OF PALMDALE LAND USE MAP



CITY OF PALMDALE GENERAL PLAN LAND USE
ADOPTED BY THE CITY COUNCIL 1/25/93

Legend

- Palmdale
- City of Palmdale

Commercial

- Neighborhood Commercial (NC)
- Office Commercial (OC)
- Community Commercial (CC)
- Commercial Medium Density (CM)
- Regional Commercial (RC)

Industrial

- Industrial (IND)
- Business Park (BP)
- Airport and Related Uses (AR)

Residential

- Equitarian Residential (ER)
- Low Density Residential (LDR)
- Single Family Residential (SFR-1)
- Single Family Residential (SFR-2)

Other Land Use

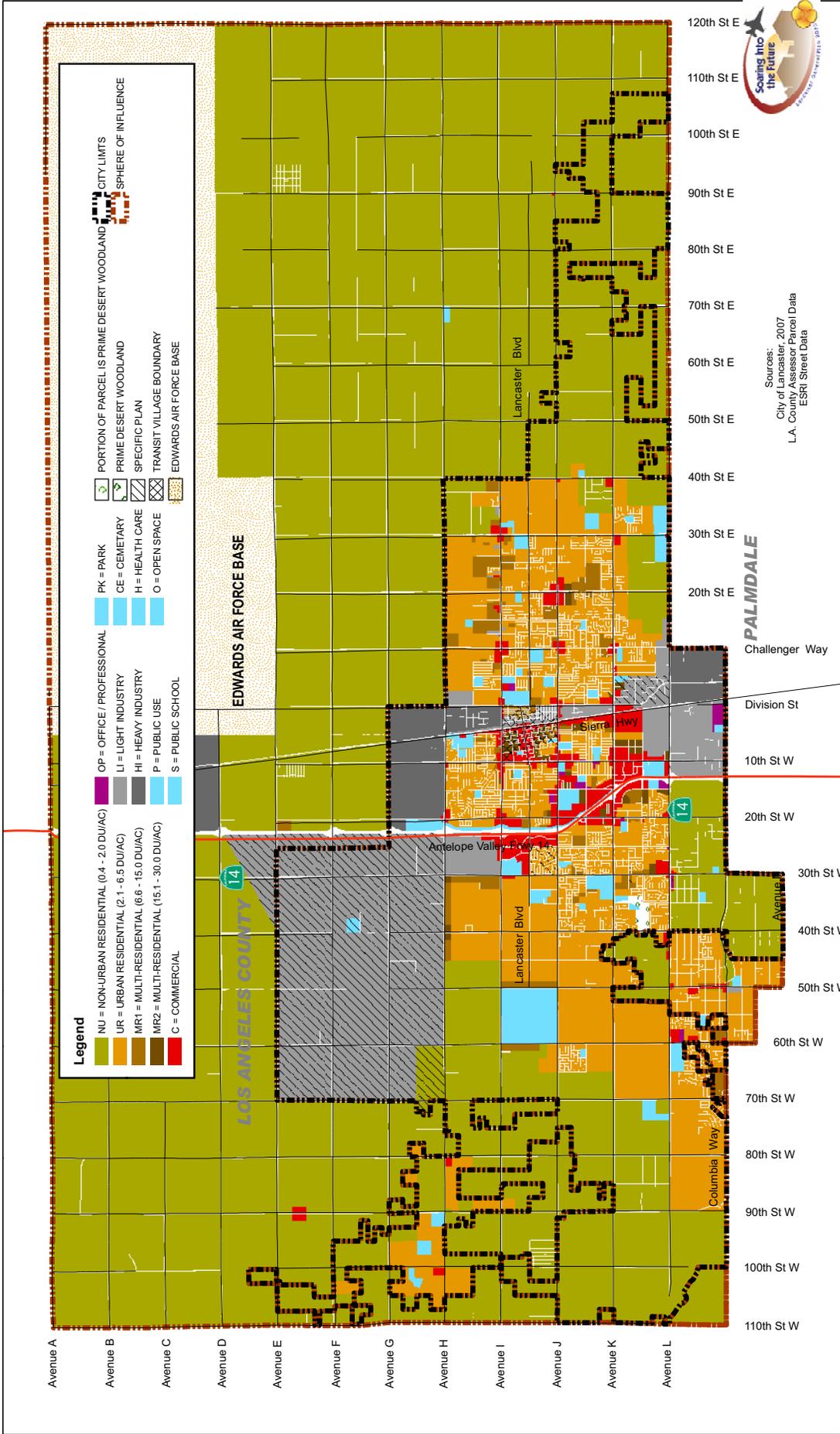
- Single Family Residential (SFR-3)
- Modern Residential (MR)
- Multifamily Residential (MF R)
- Special Development (SD)
- Open Space (OS)
- Mineral Resource Extraction (MRE)
- Other Resource Extraction (ORE)
- Cultural Resources
- Other Jurisdiction
- LACD - Unimproved LA County Property

0 0.5 1 2 3 4 Miles

Palmdale, CA 93550
 City of Palmdale
 Planning Department
 1000 West Avenue M, Palmdale, CA 93550
 Telephone: (805) 251-2000
 Fax: (805) 251-2001
 Website: www.cityofpalmdale.com

1. THIS MAP IS A GENERAL PLAN LAND USE MAP AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION SHOWN THEREON. THE CITY OF PALMDALE AND ITS OFFICIALS MAKE NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, REGARDING THE ACCURACY, COMPLETENESS, OR SUITABILITY OF THE INFORMATION SHOWN ON THIS MAP. THE CITY OF PALMDALE AND ITS OFFICIALS SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR FROM THE USE OF THIS MAP.

CITY OF LANCASTER LAND USE MAP



Adopted General Plan Land Use

EXHIBIT 1

M:\Mdata\10104579\GIS\Lancaster_GPLU_L24x36.mxd 02/05/07 DR

