

**APPENDIX F
PALEONTOLOGICAL
SURVEY REPORT**



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Paleontological Survey Report for the Keeler Dunes Project, Owens Lake, Inyo County, California

Prepared for

Sapphos Environmental Inc.

Prepared by

SWCA Environmental Consultants

October 2013

CA Report # CA13-26471-001



**Paleontological Survey Report for the
Keeler Dunes Project, Owens Lake, Inyo County, California**

Prepared for

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1.0 INTRODUCTION

This report presents the results of the paleontological field survey completed for the Keeler Dunes Non-attainment Area access roads and staging areas (Project). This project has been contracted to Sapphos Environmental Inc. (Sapphos) by the Great Basin Unified Air Pollution Control District. The project is located on federal land (Bureau of Land Management [BLM]) as well as land held by Los Angeles Department of Water and Power (LADWP) and the Southern Pacific Railroad (SPRR) in Sections 25 and 36, Township (T) 16 South (S), Range (R) 37 East and Section 31, T 16 S, R 38 E in Inyo County, California (Figure 1). The area surveyed includes the access roads, three staging areas and a 100-foot buffer (APE) (Figure 1). These portions of the greater project area were selected for pedestrian survey because they have the greatest potential to be impacted during the implementation of the proposed project. The survey was conducted by SWCA Environmental Consultants (SWCA) at the request of Sapphos to provide paleontological surface clearance through a pedestrian examination of the APE.

2.0 DEFINITION AND SIGNIFICANCE OF PALEONTOLOGICAL RESOURCES

Paleontology is a multidisciplinary science that combines elements of geology, biology, chemistry, and physics in an effort to understand the history of life on earth. Paleontological resources, or fossils, are the remains, imprints, or traces of once-living organisms preserved in rocks and sediments. These include mineralized, partially mineralized, or un-mineralized bones and teeth, soft tissues, shells, wood, leaf impressions, footprints, burrows, and microscopic remains. Paleontological resources include not only fossils themselves, but also the associated rocks or organic matter and the physical characteristics of the fossils' associated sedimentary matrix.

The fossil record is the only evidence that life on earth has existed for more than 3.6 billion years. Fossils are considered non-renewable resources because the organisms they represent no longer exist. Thus, once destroyed, a fossil can never be replaced (Murphey and Daitch 2007). Fossils are important scientific and educational resources and can be used to:

- study the phylogenetic relationships amongst extinct organisms, as well as their relationships to modern groups;
- elucidate the taphonomic, behavioral, temporal, and diagenetic pathways responsible for fossil preservation, including the biases inherent in the fossil record;
- reconstruct ancient environments, climate change, and paleoecological relationships;
- provide a measure of relative geologic dating which forms the basis for biochronology and biostratigraphy, and which is an independent and corroborating line of evidence for isotopic dating;
- study the geographic distribution of organisms and tectonic movements of land masses and ocean basins through time;
- study patterns and processes of evolution, extinction, and speciation; and

- identify past and potential future human-caused effects to global environments and climates (Murphey and Daitch 2007).

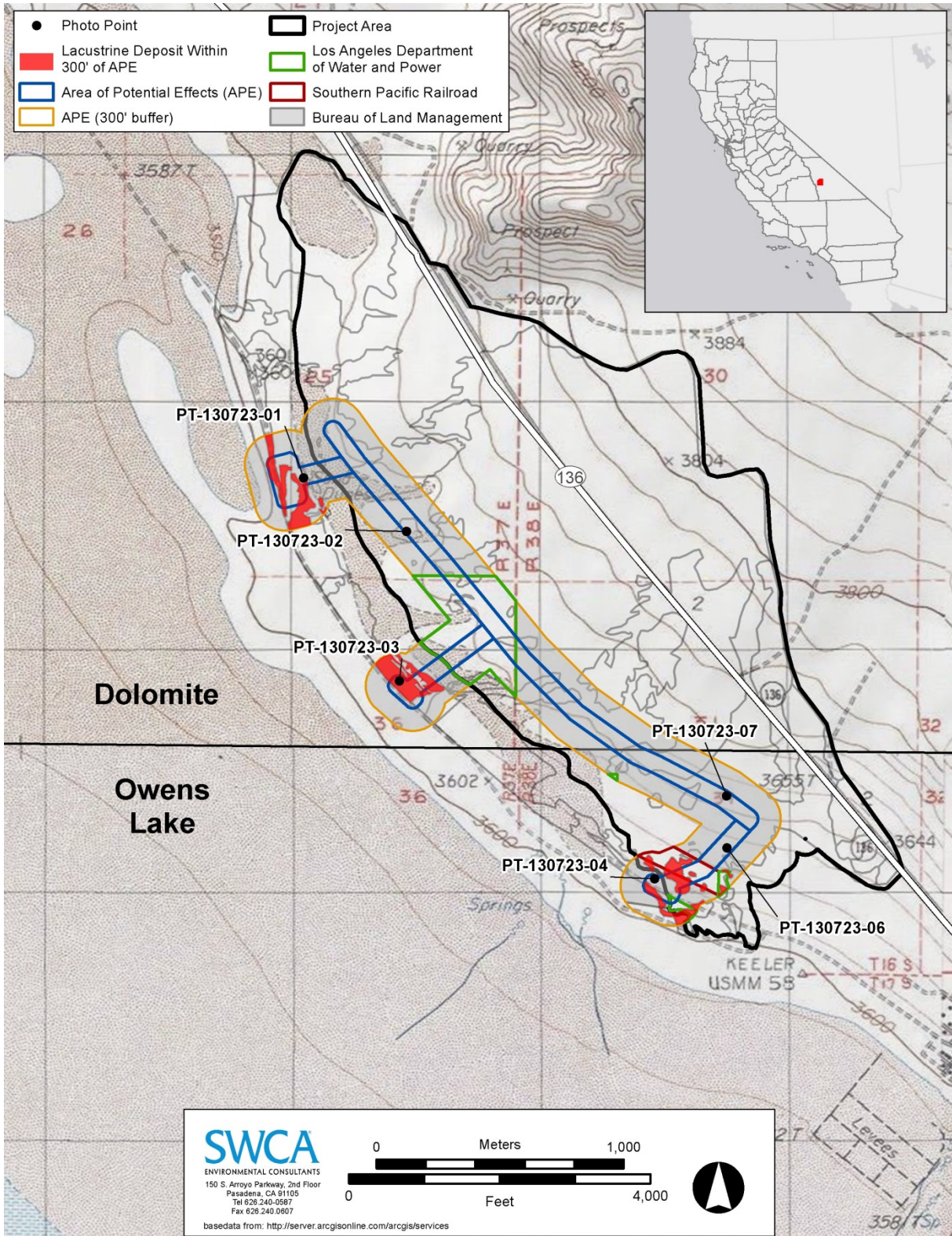


Figure 1. Paleontological survey map for the Keeler Dunes Project showing exposed lacustrine deposits within the APE.

3.0 METHODS

3.1 STATE OF CALIFORNIA AUTHORITIES

Guidelines for the Implementation of CEQA, as amended March 29, 1999 (Title 14, Chapter 3, California Code of Regulations: 15000 *et seq.*) define procedures, types of activities, persons, and public agencies required to comply with CEQA, and include as one of the questions to be answered in the Environmental Checklist (Section 15023, Appendix G, Section XIV, Part a) the following: “*Will the proposed project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?*”

Other state requirements for paleontological resource management are included in the Public Resources Code (Chapter 1.7), Section 5097.5 and 30244. These statutes prohibit the removal of any paleontological site or feature on public lands without permission of the jurisdictional agency, defines the removal of paleontological sites or features as a misdemeanor, and requires reasonable mitigation of adverse impacts to paleontological resources from developments on public (state) lands.

3.2 BUREAU OF LAND MANAGEMENT AUTHORITIES AND STANDARDS

This paleontological analysis was conducted at the request of the BLM in accordance with their policies. The BLM currently uses the Federal Land Management and Policy Act of 1976 as the legislative authority for its paleontological resource policies. Additionally, the BLM’s Instructional Memorandum (IM) 2008-009 (2007), Manual H-8720-1 (BLM 1998), and IM 2009-011 (BLM 2008) provide general procedural guidelines for the management of paleontological resources. Management objectives include locating, evaluating, managing, and protecting paleontological resources, as well as ensuring that proposed land-use projects do not inadvertently damage or destroy important paleontological resources.

Implementing regulations for the Paleontological Resources Preservation Subtitle of the Omnibus Public Lands Act of 2009 (PRPA), Title VI, Subtitle D, are currently being developed. Under the PRPA, the Secretaries (Interior and Agriculture) shall manage and protect paleontological resources on federal land using scientific principles and expertise. The PRPA is modeled after the Archaeological Resources Protection Act and incorporates the recommendations of the May 2000 report of the Secretary of the Interior, Assessment of Fossil Management on Federal and Indian Lands, regarding future actions to formulate a consistent paleontological resources management framework. With the passage of the PRPA, congress officially recognized the importance of paleontological resources on federal lands by declaring that fossils from federal lands are federal property. The PRPA essentially codifies existing policies of the BLM, National Park Service, U.S. Forest Service, Bureau of Reclamation, and U.S. Fish and Wildlife Service. The PRPA provides the following.

- Uniform definitions for paleontological resources and casual collecting.
- Uniform, minimum requirements for paleontological resource-use permit issuance (terms, conditions, and qualifications of applicants).

- Uniform criminal and civil penalties for illegal sale and transport, and theft and vandalism of fossils from federal lands.
- Uniform requirements for curation of federal fossils in approved repositories.

According to BLM's IM 2009-011 (BLM 2008:1-18 to 1-19) a Significant Paleontological Resource is defined as:

Any paleontological resource that is considered to be of scientific interest, including most vertebrate fossil remains and traces, and certain rare or unusual invertebrate and plant fossils. A significant paleontological resource is considered to be scientifically important because it is a rare or previously unknown species, it is of high quality and well-preserved, it preserves a previously unknown anatomical or other characteristic, provides new information about the history of life on earth, or has identified educational or recreational value. Paleontological resources that may be considered to not have paleontological significance include those that lack provenience or context, lack physical integrity because of decay or natural erosion, or that are overly redundant or are otherwise not useful for research. Vertebrate fossil remains and traces include bone, scales, scutes, skin impressions, burrows, tracks, tail drag marks, vertebrate coprolites (feces), gastroliths (stomach stones), or other physical evidence of past vertebrate life or activities.

3.3 ANALYSIS OF EXISTING DATA METHODS

Geologic units (bedrock formations and surficial sedimentary deposits) have been assigned a Potential Fossil Yield Classification System (PFYC) ranking by the authors of this report based on the results of prior and present paleontological work. These assignments were based on the taxonomic diversity and abundance of previously recorded, scientifically significant fossil occurrences from each geologic unit, and the potential for future discoveries (Scott 2012). The PFYC assignments were made by the authors because they were not available from the BLM.

Prior to and during the field survey, the project area was the subject of thorough background research and analysis. The research included geologic map and literature reviews, and previous locality data searches. The purpose of the review was to evaluate the paleontological sensitivity of the project area in order to identify known fossil resources within it and nearby in the same geologic formations. In addition, Sapphos requested a paleontological records search from the Los Angeles County Museum of Natural History (LACM) and the San Bernardino County Museum (SBCM). The purpose of the museum records search was to: 1) determine whether any previously recorded fossil localities occur in the APE, 2) assess the potential for disturbance of these localities during construction, and 3) evaluate the paleontological sensitivity in the APE.

3.4 FIELD SURVEY METHODS

The survey was designed to determine the surface presence of previously unknown significant vertebrate fossils and/or noteworthy occurrences of invertebrate, plant, or trace fossils, and evaluate potential adverse impacts to subsurface paleontological resources during construction.

The surveyed area included the proposed access roads, three staging areas, and a 100-foot buffer, totaling 71.92 acres (APE) (see Figure 1). These portions of the greater project area were selected for pedestrian survey because they have the greatest potential to be impacted during the implementation of the proposed project. The Project APE was inspected for: 1) surface fossils, 2) exposures of potentially fossiliferous rock, and 3) areas in which fossiliferous rock would be exposed or otherwise impacted during construction. Exposures of paleontologically sensitive geologic units received 100 percent pedestrian survey coverage. Upon completion of the survey, conclusions and recommendations were made to address possible impacts to the APE during construction.

3.5 DISTRIBUTION OF DATA

Copies of this report will be submitted to the BLM and Great Basin Unified Air Pollution Control District.

4.0 RESULTS

4.1 LITERATURE SEARCH RESULTS

The project area is located in Owens Valley within the southwestern Great Basin, in eastern California. The approximately 125-mile-long, north-south-trending valley is bordered by the Sierra Nevada Mountains to the West, the White and Inyo Mountains to the East, and the Coso Range to the South. The geologic history of the surrounding mountain ranges records depositional and orogenic events spanning 700 million years from the Precambrian to the Holocene (Knopf and Kirk 1918; Nelson et al. 1991). The orogenic events that have shaped Owens Valley likely began early in the Tertiary and continued through the Holocene (Orme and Orme 2008; Pakiser et al. 1964). Owens Valley was formed as a graben valley between the normal faults of the Sierra Nevada fault system and the oblique normal faults of the Inyo-White Mountain Range (Bacon et al. 2006). Movement along these faults has created a structurally complex basin filled with sediments eroded from the surrounding mountain ranges.

Owens Lake was once part of a larger Pleistocene open-lake system that began to the north in Mono Lake and extended South into China, Panamint and Searles Lakes and finally, Lake Manly. This lake system, considered active until approximately 35 kiloannum (ka), has experienced a number of lake level oscillations. These oscillations, controlled largely by hydroclimatic forcing, changing precipitation, and uplift within the Inyo-White Range, have caused the progressive desiccation of the open basin lake system into a series of closed system playa lakes and salt flats (Orme and Orme 1993; Benson et al. 2002; Bacon et al. 2006; Orme

and Orme 2008). While Owens Lake has seen at least two transgressive events, at 14.3 ka and at 12.8 ka, shoreline surveys and core data have shown that the overall lake level has fallen from a late Pleistocene highstand of 1,160 meters (m) at 24 ka to 1,096 m by 1872 (Bacon et al. 2006; Li et al. 2000). Construction of the Los Angeles Aqueduct in 1913 further drained the lake levels, creating the playa lake conditions seen today. The sediments represented within the survey area are reflective of the lake level oscillations and represent the remains of the late Pleistocene highstands of Owens Lake. The lacustrine sediments, which underlie the current APE have been partially covered by distal alluvial fan and eolian deposits.

The project area is underlain by three geologic units (Figure 1): Quaternary lacustrine deposits, which have high paleontological potential (PFYC Class 4), Quaternary alluvium, which has moderate paleontological potential (PFYC Class 3a) if Pleistocene in age, and eolian sediments, which have low paleontological potential (PFYC Class 2). The general geology and paleontologic content of these units is described below.

The Quaternary lakebed deposits represent highstands of Owens Lake during the Pleistocene, and remains of mammoth, horse, camel, carnivore, rabbit, and rodent have been recovered from these sediments in the vicinity of the survey area (McLeod 2011). The Quaternary alluvium found within the project survey area is represented by coarse alluvial fans consisting of clasts of dolomite, quartzite marble, and granitic rocks weathered and washed down from the Inyo Mountains to the East. These sediments are not likely to contain fossils near the surface due to their younger age, though older alluvial deposits could contain fossils at deeper levels (McLeod 2011; Scott 2012). The Quaternary eolian sands within the survey area are represented by actively migrating dune sands. The active dune fields are not likely to contain fossils due to their young age; however, they do lay suprajacent to the Quaternary lakebed deposits which are paleontologically sensitive (Scott 2012).

4.2 RECORDS SEARCH RESULTS

A summary of the data provided by LACM (McLeod 2011), and SBCM (Scott 2012) indicates four localities have been recovered from within 1 mile of the APE. Four of these localities (LACM 7716-7719) have yielded a diverse taxonomic assemblage including bony fish (Teleostei), bird (Aves), jack rabbit (*Lepus*), pocket gopher (*Thomomys*), and even toed ungulate (Artiodactyla) (McLeod 2012). These specimens were collected during previous surveys just outside of the current APE by Cogstone Resource Management Inc. (Gust 2003). Within 5 miles of the APE, the LACM has recorded one locality (LACM 4691) just northwest of the project area near the mouth of the Owens River. This locality yielded the remains of a proboscidean, a mountain lion (*Felis concolor*), horse (*Equus*), and camel (Camelidae) (Jefferson 1989, 1991). The SBCM has two recorded localities (SBCM 6.6.3-6.6.4) from Quaternary alluvium in the same area as LACM 4691. These localities produced the remains of horse (*Equus*), camel (*Camelops*), and bison (*Bison*) (Scott 2012). Smith et al. (2009) reported the remains of a number of fossil fish including suckers (Catostomidae) and minnows (Cyprinidae) from the silty clays and sands of the lakebed approximately four miles to the south of Keeler near the intersection of highways 136 and 190.

4.3 FIELD SURVEY RESULTS

This section of the report presents the results of the field survey which was performed in accordance with BLM standards. The field survey results are presented in Table 1, and photographs of the Project are shown in Figures 2 through 7. No new fossil localities were discovered during the survey of the project area.

**Table 1. Project Summary Table for the Keeler Dunes Project
Access Roads and Staging Areas.**

Project Name	Keeler Dunes Project Access Roads and Staging Areas			
Project Description	Paleontological survey of the proposed access roads and staging areas for the Keeler Dunes Project			
Managing Land Agency	Bureau of Land Management, Bishop Field Office; Los Angeles Department of Water and Power			
Location (PLSS)	Sections 25 and 36, T 16 S, R 37 E, Section 31, T 16 S, R 38 E			
Topographic Map	Dolomite (1987), Owens Lake (1987)			
Geologic Map(s)	Stinson, M.C. 1977. Geology of the Keeler 15' Quadrangle, Inyo County, California: California Division of Mines and Geology, Map Sheet 38, scale 1:62,500 Streitz, R. and Stinson, M.C. 1974. Geologic Map of California: Death Valley Sheet: California Division of Mines and Geology, scale 1:250,000			
Geologic Formation(s)	Qs: Dune Sand Qal: Alluvium Ql: Quaternary lakebed deposits	PFYC	Class 2 Class 2 Class 4	
Principal Investigator	Paul C. Murphey	Permit Number	CA-12-00-007P	
Surveyor(s)	Wayne A. Thompson			
Survey Date(s)	July 23, 2013	Total Acres Surveyed	71.92	
Area Surveyed	The APE is defined as 71.92 acres containing the locations of the proposed access road, three staging areas, and 100-foot buffer.			
Topography	Exposed playa lakeshore and lake bottom with active low lying dune fields.			
Bedrock Exposure Status	95% exposed as lacustrine sediments, alluvial fan deposits, and actively migrating eolian deposits.			
Geological Description (in stratigraphic ascending order from bottom to top)	Unit	Lithology	Description	Thickness (meters)
	Qs	Sand	Brownish-gray, fine grained, well sorted, well rounded unconsolidated eolian sand	0.5-3.0
	Qal	Alluvium	Grayish-brown, loose, fine grained, poorly sorted, poorly consolidated silt, sand and gravel containing a range of lithic fragments and cobbles.	1.0
	Ql	Silty sand	Brown-buff, silty very fine-grained sand and silt, moderately consolidated with multiple horizons exhibiting sediment filled mud cracks.	lower contact covered

Nearest Previously Documented Fossil Locality	Nearest previously documented localities are LACM 7716-7719.		
Previously Documented Fossil Localities within APE	None		
Results of Previously Recorded Fossil Locality Evaluations	No new paleontological resources observed.		
Fossil Localities Discovered During Survey	No new fossil localities were discovered during the survey.		
New Fossil Description(s)	Non-significant Fossil Occurrences: N/A		
	Significant Fossil Localities: N/A		
Fossil Status of New Specimens	N/A	Repository of New Specimens	N/A



**Figure 2. View of staging area 1 (PT-130723-01).
Photo direction- northwest.**



**Figure 3. View of access road showing alluvial sediments partially covered by
eolian deposits (PT-130723-02). Photo direction- south.**



**Figure 4. View of staging area 2 (PT-130723-03).
Photo direction- southeast.**



**Figure 5. View of staging area 3 (PT-130723-04).
Photo direction- southeast.**



Figure 6. View of staging area 3 access road showing lakebed sediment exposures (PT-130723-06). Photo direction- north



Figure 7. View of eolian sediments along the access road (PT-130723-07). Photo direction- northwest.

5.0 RECOMMENDATIONS

In order to demonstrate CEQA compliance, a response to the following question in the Environmental Checklist based on the results of the paleontological analysis is required. “*Will the proposed project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?*” With the implementation of the recommendations listed in Table 2, the Keeler Dunes Project will not directly or indirectly destroy a unique paleontological resource or site or unique geologic feature. The intent of the recommendations is to ensure that potential adverse impacts to paleontological resources as a result of project implementation are reduced to a less than significant level.

Table 2 provides a description of the recommendations for the Project based on the findings of the paleontological assessment, CEQA requirements and BLM guidelines (BLM 1998, 2007, 2008).

Table 2. Project Recommendations.

<p>Project Recommendation Summary</p>	<p>No mitigation measures are recommended for the surface of the project area. Paleontological monitoring is only recommended for areas where subsurface PFYC Class 4 lacustrine deposits will be disturbed during construction. This includes areas where lakebeds are mapped at the surface, as well as areas where these deposits occur at a shallow depth.</p>
<p>Project Recommendation</p>	<p>Surface:</p> <p>The results of this survey have determined that no surface fossils are located within the APE. Therefore, no additional paleontological mitigation measures are recommended for the project area surface during construction activities such as the planting of vegetation and placement of temporary wind breaks.</p> <p>Subsurface:</p> <p>Because the likelihood of encountering significant subsurface paleontological resources is low, monitoring is not recommended in areas underlain by PFYC Class 2 geologic units during ground disturbance for access road construction.</p> <p>Based on the scientifically significant fossils that were documented during previous field surveys in the vicinity of the APE, and the presence of highly paleontologically sensitive (PFYC Class 4a) Quaternary lacustrine deposits at the surface locally within the APE and subsurface throughout the APE. It is recommended that a BLM-permitted paleontologist monitor construction of all the access roads leading directly into staging areas 1-3 (Figure 8).</p> <p>If any subsurface fossils are encountered during construction and a paleontological monitor is not present, the BLM and a qualified BLM-permitted paleontologist should be notified immediately, and work in the immediate area (100-foot buffer) of the discovery should cease until the significance of the discovery can be evaluated.</p>

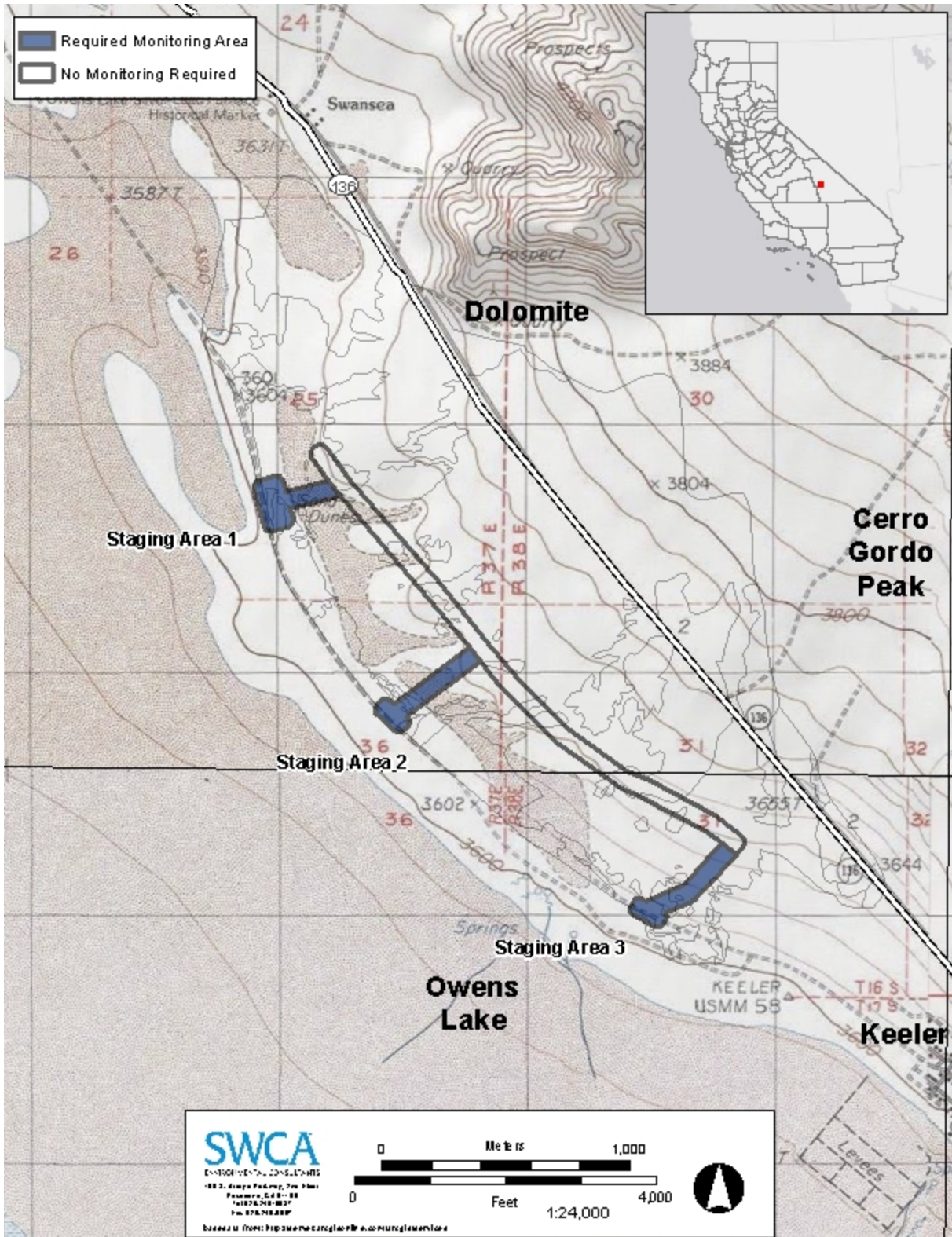


Figure 8. Recommended monitoring locations within the project APE.

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Years of Experience

14

Expertise

Paleontological and geological field techniques

Fossil preparation, curation, and data management

Paleontological mitigation plans and research designs for surface disturbing projects

Federal paleontology permitting and policy

Paleontology of Late Cretaceous, Paleocene, Eocene, and Oligocene epochs

Trimble GPS/GIS

Education

M.S., University of Iowa, coursework completed; thesis in progress

B.S., Geology, South Dakota School of Mines and Technology, 2003

Affiliations

Geological Society of America (GSA), Member

Sigma Xi, Member

Society of Vertebrate Paleontology (SVP), Member

Experience Summary

Ms. Knauss is a Paleontologist with experience in paleontological surveys, excavations, and fossil preparation. As a Paleontologist with SWCA, Ms. Knauss' responsibilities include coordination, organization, and implementation of paleontological field projects including surveys, monitoring, excavations and salvages; documentation of fossil localities including their stratigraphic provenance and geographic location; collection, and identification of fossils; development and implementation of paleontological mitigation plans; compilation of field data; fossil preparation, analysis of field data, literature and museum locality research, preparation of technical reports and NEPA documents for projects throughout the western United States. Ms. Knauss' project experience includes paleontological resource work for block area resource inventories, natural gas and oil well pads, pipelines, transmission lines, geophysical investigations, wind farms, railways, and roads, for a variety of private and public sector clients.

Selected Project Experience

Niobrara 3D Seismic projects (1B and 1D); Colorado; Geokenetics USA, Inc. Paleontological field surveys and assessment of seismic lines and associated infrastructure on the Pawnee National Grasslands in northeastern Colorado in advance of seismic exploration activities to identify significant paleontological resources. *Role: Paleontologist. Helped with additional assessment of fossil localities and recovery of some significant fossils.*

Piceance Creek 3D Geophysical Investigation; Rio Blanco County, Colorado; St. Croix Seismic: Rocks of the Eocene Wasatch and Green River formations were examined within the Piceance Creek Basin. Fossils were recorded at approximately 38 localities. Fossils were then prepared and curated at a designated repository, and a technical report was prepared. *Role: Paleontologist/Technical Author. Conducted a paleontological resource assessment, and developed and implemented a mitigation plan for the geophysical investigation.*

Ryan Gulch 3D Geophysical Investigation; Rio Blanco County, Colorado; Williams Production RMT Company. Rocks of the Eocene Wasatch and Green River formations were examined within the Piceance Creek Basin. Fossils were recorded at approximately 26 localities. Fossils were then prepared and curated at a designated repository, and a technical report was prepared. *Role: Paleontologist. Conducted a paleontological resource assessment, and developed and implemented a mitigation plan for the geophysical investigation for an approximately 120-square-mile project area.*

Newfield Exploration Co. Block surveys on Uintah and Ouray Tribal Land; Uintah and Duchesne counties, Utah (2007–2009): Paleontological assessment in the Eocene-age Uinta Formation, which included a field survey of nearly 33 sections. The results of the assessment and field survey were compiled into a final report. *Role: Paleontologist/Technical Author. Conducted paleontological assessments and field surveys.*

Years of Experience:

17

Expertise

Eocene continental biostratigraphy and biochronology

Vertebrate paleoecology and taphonomy

Paleontological and geological field techniques

Fossil preparation, curation, and data management

Paleontological mitigation plans and research designs for surface disturbing projects

Design of interpretive displays

Education

Ph.D., Geological Sciences, emphasis in Paleontology, University of Colorado, 2001

M.S., Geological Sciences, University of Colorado, 1995

B.A., Anthropology/Biology, University of Colorado, 1991

Registrations/Certifications

BLM Paleontological Resources Use Permit, Colorado, survey and limited surface collection, consulting statewide (C-60240, Renewal)

BLM Paleontological Resources Use Permit, Colorado, survey and limited surface collection, consulting (C-60180)

Experience Summary

Dr. Murphey is the Principal Investigator for the Paleontology Program at SWCA. He has 17 years of experience as a principal investigator for numerous paleontological resource management projects throughout the western United States and has 12 years of employment experience in natural history museums. Dr. Murphey has directed numerous field expeditions and has published on paleontological, geological, and biological research projects. Currently permitted in eight western states by various federal and state agencies, his range of experience in paleontological resource management includes directing paleontological field surveys of all sizes; development of resource mitigation plans including monitoring, excavations, and salvages; fossil preparation and museum curation; coordination with agencies; and the training, oversight, and coordination of SWCA's paleontological staff in the western U.S. Dr. Murphey has served as an expert witness in public hearings involving paleontological resources, and has been an invited speaker at museums in Colorado, Utah and California. Dr. Murphey is currently spearheading a cooperative effort between mitigation paleontologists, government agencies, and museums to develop and publish comprehensive best management practices for paleontological impact mitigation.

Selected Project Experience

Niobrara 3D Seismic projects (1B and 1D); Colorado; GeoKinetics USA, Inc. SWCA provided paleontological field surveys and assessment of seismic lines and associated infrastructure on the Pawnee National Grasslands in northeastern Colorado in advance of seismic exploration activities to identify significant paleontological resources. *Role: Principal Investigator. Oversaw field surveys and assisted with recovery of some significant fossils*

Paleontology Surveys; Uintah County, Utah. SWCA provided paleontological survey services to fulfill permitting requirements for oil and gas exploration located on the Ute (Uintah and Ouray) Tribal lands within the Uintah and Ouray Reservation in the Uinta Basin, Utah. SWCA researched existing paleontological localities, and conducted block surveys of 24,000 acres. *Role: Principal Investigator. Client: Newfield Production Company.*

UBET Piceance Paleontological Services; Rio Blanco County, Colorado UBET Wireless. SWCA completed services for UBET Wireless, with respect to paleontological construction monitoring of work at an existing telecommunications tower site in Rio Blanco county (T2S/R96W Section 18). These services were designed to satisfy the U.S. Bureau of Land Management White River Field Office's (BLM-WRFO) responsibilities under Section 106 of the National Historic Preservation Act, as amended, and the National Environmental Policy Act (NEPA). BLM-WRFO had stipulated that excavations related to facility construction and expansion be monitored by a qualified professional paleontologist. *Role: Principal Investigator. Oversaw monitoring of land clearance and trenching for placement grounding lines for cell phone tower.*

PAUL MURPHEY, PH.D.
Principal Investigator/Paleontologist



State of Colorado
Paleontological Permits
99-24, 2000-18,
2000-22, 2001-22,
2002-19, 2003-30,
2004-28, 2004-47,
2005-34, 2006-5,
2007-33, 2008-36,
2008-046, 2009-58,
2009-59, 2010-62,
2010-68, 2011-52,
2011-69; 2012-79;
2012-80

Certified
Paleontologist, County
of Orange, California
Paleontological
Resource Specialist,
California Energy
Commission

Qualified
Paleontologist, City
and County of San
Diego, California

Certified
Paleontologist, County
of Riverside, California
Research Associate,
Biodiversity Research
Center of the
Californias, San Diego
Natural History
Museum

Research Associate,
Earth Sciences
Department, Denver
Museum of Nature and
Science

Affiliations

Paleontological Society,
Member

Society of Vertebrate
Paleontology, Member

Society for Sedimentary
Geology, Member

Geological Society of
America, Member

Women's
Environmental Council,
Member

Paleontological Assessment, Boulder West Trail Study Area; Boulder County, Colorado; City of Boulder Open Space and Mountain Parks.. SWCA identified and evaluated sensitive paleontological resources for planning purposes. Its goal was not only to provide mitigation recommendations such as avoidance or collection, but also to evaluate the paleontological resources and associated sedimentary features for potential inclusion in educational and interpretive programs. *Role: Principal Investigator. Oversaw and assisted in conducted paleontological assessment for trail improvement and potential visitor center.*

White River Dome Paleo; Rio Blanco County, CO. Client: Whiting Petroleum Corporation. SWCA conducted cultural and paleontological surveys on an approximately 250 mile long seismic survey in the Piceance Creek Basin of Colorado. *Role: Paleontology Specialist. Oversaw paleontological resource surveys, GIS data, and field crews.*

Genesis Solar Energy Project Monitoring; Blythe, Riverside County, California; AECOM. SWCA provided paleontological monitoring and mitigation duties for the duration of ground disturbing activities during construction at NextERA's Genesis Solar Energy Project west of Blythe, CA. The project area includes a 7 mile access road and two solar fields boasting a total of 22,000 parabolic mirrors for a total power output of 250 Megawatts. *Role: Principal Investigator. Assisted in research of pertinent geologic and paleontological literature resources, full time monitoring of drilling, grading, and excavation activities, and collection and identification of significant fossil resources.*

Years of Experience:

11

Expertise

Pleistocene faunal recovery and identification
Paleontological mitigation and Monitoring
Fossil preparation and curation
Geologic Mapping
Biostratigraphy and Phylogeny of Tylosaurine Mosasaurs
Geology and Paleontology of the Late Cretaceous Western Interior Seaway
Eocene and Oligocene Biostratigraphy of the White River Badlands of South Dakota

Education

Ph.D., Geology and Geological Engineering, South Dakota School of Mines and Technology; South Dakota, 2011
M.S., Paleontology, South Dakota School of Mines and Technology; South Dakota, 2005
B.S., Geology and Biology, Old Dominion University; Virginia, 2002

Affiliations

Society of Vertebrate Paleontology
Geological Society of America
Paleontological Society

Experience Summary

Dr. Thompson is a paleontologist with experience in the paleontological, geological and biological sciences. As a field investigator, instructor, and laboratory technician, Dr. Thompson has developed a thorough background in the paleontological sciences. Dr. Thompson has conducted numerous paleontological field surveys, functioned as a field crew chief, overseen paleontological fieldwork, supervised field staff, and coordinated numerous field studies. His experience in environmental consulting and mitigation paleontology includes conducting paleontological monitoring for numerous construction projects. He is a Qualified Professional Paleontologist under the standards of the Society for Vertebrate Paleontology.

As a field paleontologist, Dr. Thompson has conducted block surveys and monitored construction activities for a variety of energy projects including solar developments, 3-D seismic exploration projects, gas and oil pipeline development, and high voltage transmission line projects. In addition to his doctoral research on Late Cretaceous marine reptiles of the Pierre Shale in South Dakota, Dr. Thompson has experience conducting paleontological investigations on Pleistocene micro and megafauna throughout much of the western United States, including California, Oregon, Nevada and South Dakota, as well as work in many other formations throughout the western United States and abroad including Nevada, South Dakota Wyoming, Colorado, Montana, North Dakota, Utah, and Antarctica.

Selected Project Experience

White River Dome Paleo; Rio Blanco County, CO. Client: Whiting Petroleum Corporation. SWCA conducted cultural and paleontological surveys on an approximately 250 mile long seismic survey in the Piceance Creek Basin of Colorado. *Role: Paleontology Specialist. Conducted paleontological resource surveys, prepared daily reports, ensured quality of GIS data, supervised crew members, and prepared daily surveying plans for field crews.*

Genesis Solar Energy Project Monitoring; Blythe, Riverside County, California; AECOM. SWCA provided paleontological monitoring and mitigation duties for the duration of ground disturbing activities during construction at NextERA's Genesis Solar Energy Project west of Blythe, CA. *Role: Paleontological Specialist. Conducted site visits, provided data QA/QC support, and assisted with identification of significant fossil resources*

ON Line Paleontological Monitoring; Clark County, Nevada; HDR, Inc. SWCA provided paleontological resources mitigation monitoring program for this approximately 230-mile long power transmission line project located in eastern Nevada. SWCA paleontologists reviewed all previously prepared paleontological assessment and survey reports and presented the Bureau of Land Management (BLM) with a Paleontological Resources Mitigation Monitoring Plan for approval. *Role: Paleontology Specialist. Assisted with construction monitoring, data analysis and preparation of final monitoring report.*

APPENDIX G
PHASE I ENVIRONMENTAL
SITE ASSESSMENT

**KEELER DUNES DUST CONTROL PROJECT
PHASE I ENVIRONMENTAL SITE ASSESSMENT**

PREPARED FOR:

**GREAT BASIN UNIFIED AIR POLLUTION CONTROL DISTRICT
157 SHORT STREET, SUITE 6
BISHOP, CALIFORNIA 93514**

PREPARED BY:

**SAPPHOS ENVIRONMENTAL, INC.
430 NORTH HALSTEAD STREET
PASADENA, CALIFORNIA 91107**

MARCH 21, 2014

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- B Historical Topographic Maps
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- E Environmental Regulatory Databases

SECTION 1.0 INTRODUCTION

1.1 PROJECT BACKGROUND

The Great Basin Unified Air Pollution Control District (District) regulates fugitive dust (in the form of particulate matter that is 10 microns or less in size [PM_{10}]), emissions in the Owens Valley Planning Area (OVPA), which includes the Keeler Dunes area, consistent with the requirements of the National Ambient Air Quality Standards (NAAQS). In January 1993, the United States Environmental Protection Agency (U.S. EPA) classified the Owens Valley as a serious nonattainment area for PM_{10} . The Owens Lake bed and surrounding areas have been the largest single source of PM_{10} emissions in the United States, with annual PM_{10} emissions of more than 80,000 tons and 24-hour concentrations as high as 130 times the federal air quality standard. The air pollution at Owens Lake is caused by wind dispersing exposed dry lake bed sediments into the air. These sediments were exposed as a result of the lowering of Owen's Lake due to water diversions from the Owens River and other streams that once flowed into Owens Lake. By the 1920s, all that remained of the lake was a 26-square-mile hyper-saline brine pool, and by 1924, Owens Lake was virtually dry.¹ The Federal Clean Air Act required that the District produce a State Implementation Plan (SIP) in 1997 that detailed how the PM_{10} problem would be brought into conformance with federal standards.

The District signed an agreement with the City of Los Angeles in 1998 that set a schedule for implementing controls. These controls were approved by U.S. EPA. The PM_{10} levels were required to be reduced to the federal standard by 2006 or the District would be subject to federal sanctions, which could include withholding of federal highway funds. The District's 2003 SIP revision required a total of 29.8 square miles to be controlled by the end of 2006 and additional areas, if necessary, to meet the standard as they are verified. In 2006, an additional 12.7 miles of dust controls were ordered by the District. The 2008 SIP was prepared due to a finding by the U.S. EPA that the OVPA did not attain the 24-hour NAAQS for PM_{10} by December 31, 2006. The 2008 SIP requires that the NAAQS can be attained by March 23, 2017 (CAA §179[d][3]).

Approved Best Available Control Measures (BACMs) for control of dust on Owens Lake include shallow flooding; managed vegetation; gravel cover; and combinations of these methods, termed a hybrid. Shallow flooding composes approximately 87 percent of the existing 42 square miles of dust control measures (DCMs) implemented on the lake bed with managed vegetation and gravel cover composing the remainder as of December 2012.²

The 2008 SIP also incorporates provisions of the 2006 Settlement Agreement between the District and the Los Angeles Department of Water and Power (LADWP) to expand DCMs to additional areas at Owens Lake in order to attain the NAAQS as soon as practicable.³ The 2008 SIP noted Keeler Dunes as one of the off-lake bed areas consistently exceeding NAAQS and state standards

¹ Great Basin Unified Air Pollution Control District. January 2008. *2008 Owens Valley PM_{10} Planning Area Demonstration of Attainment State Implementation Plan—Final Subsequent Environmental Report*. Prepared by: Sapphos Environmental, Inc., Pasadena, CA. Bishop, CA.

² The 42-square-mile dust control area includes the 2-square-mile Phase 8 Gravel and the 0.6-square-mile sand fence area in T1A-1.

³ Great Basin Unified Air Pollution Control District and City of Los Angeles Department of Water and Power. November 2006. *Settlement Agreement Resolving City's Challenge to the District's Supplemental Control Requirement (SCR) Determination for the Owens Lake Bed*. Los Angeles, CA.

for PM₁₀. The Keeler Dunes is located adjacent to Owens Lake, immediately north-northwest of the community of Keeler, California. Sand and dust from the Keeler Dunes become mobile during high-wind events and, since dust sources on the bed of Owens Lake are about 90 percent controlled, constitute one of the last main dust sources contributing to exceedances of the state and federal 24-hour PM₁₀ standard in the communities of Keeler and Swansea.⁴ As a result of data collected since April 2000, the District has identified the Keeler Dunes as one of the areas that need to be controlled to attain the NAAQS for PM₁₀ within the OVPA. The Keeler Dunes have continued to cause an average of six PM₁₀ standard exceedances every year since 1993.

1.2 SITE LOCATION

The subject property encompasses an approximately 1.36-square-mile area of land, located immediately north-northwest of the community of Keeler, California, and east of the historic 110-square-mile (70,000-acre) Owens Lake bed within the Owens Valley, Inyo County, California (Figure 1.2-1, *Regional Vicinity Map*). The Keeler Dunes Dust Control Project (proposed project / proposed action) site is located approximately 10 miles southeast of the town of Lone Pine and approximately 65 miles southeast of the City of Bishop. The proposed project / proposed action is located approximately 10 miles west of Death Valley National Park, approximately 11 miles east of Sequoia National Park, and approximately 48 miles north of the City of Ridgecrest (Figure 1.2-1).

The community of Swansea to the north, the community of Keeler to the southeast, and the town of Lone Pine to the northwest are in the vicinity of the proposed project / proposed action located in the unincorporated area of Inyo (Figure 1.2-2, *Project Location Map*). The location of the proposed project / proposed action is depicted on the U.S. Geological Survey (USGS) 7.5-minute series Dolomite,⁵ and Owens Lake⁶ topographic quadrangles (Figure 1.2-3, *Topographic Map with USGS 7.5-minute Quadrangle Index [1987]*). The topography of the proposed project / proposed action site consists of sand sheets and sand dunes.

Most of the land on which the proposed project / proposed action site is located is owned by the federal government and is under the jurisdiction of the Bureau of Land Management (BLM). The Los Angeles Department of Water and Power (LADWP) also owns a portion of the subject property. Other stakeholders include Inyo County, the local Lone Pine-Paiute Shoshone Tribes, Caltrans District 9, Southern Pacific Railroad, Keeler Community Services District, and Keeler residents.

1.3 SITE SURVEY INSPECTION DATE

The subject property and its adjacent properties were inspected on July 24, 2013, and February 19, 2014.

1.4 INDIVIDUAL PERFORMING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT

Mr. André A. Anderson, REPA, CEC, CES, senior environmental compliance specialist of Sapphos Environmental, Inc., performed the Phase I Environmental Site Assessment of the subject property.

⁴ Great Basin Unified Air Pollution Control District. 28 January 2008. *2008 Owens Valley PM₁₀ Planning Area Demonstration of Attainment State Implementation Plan*. Bishop, CA.

⁵ U.S. Geological Survey. 1987. *7.5-minute Series, Dolomite, California, Topographic Quadrangle*. Denver, CO.

⁶ U.S. Geological Survey. 1987. *7.5-minute Series, Owens Lake, California, Topographic Quadrangle*. Denver, CO.

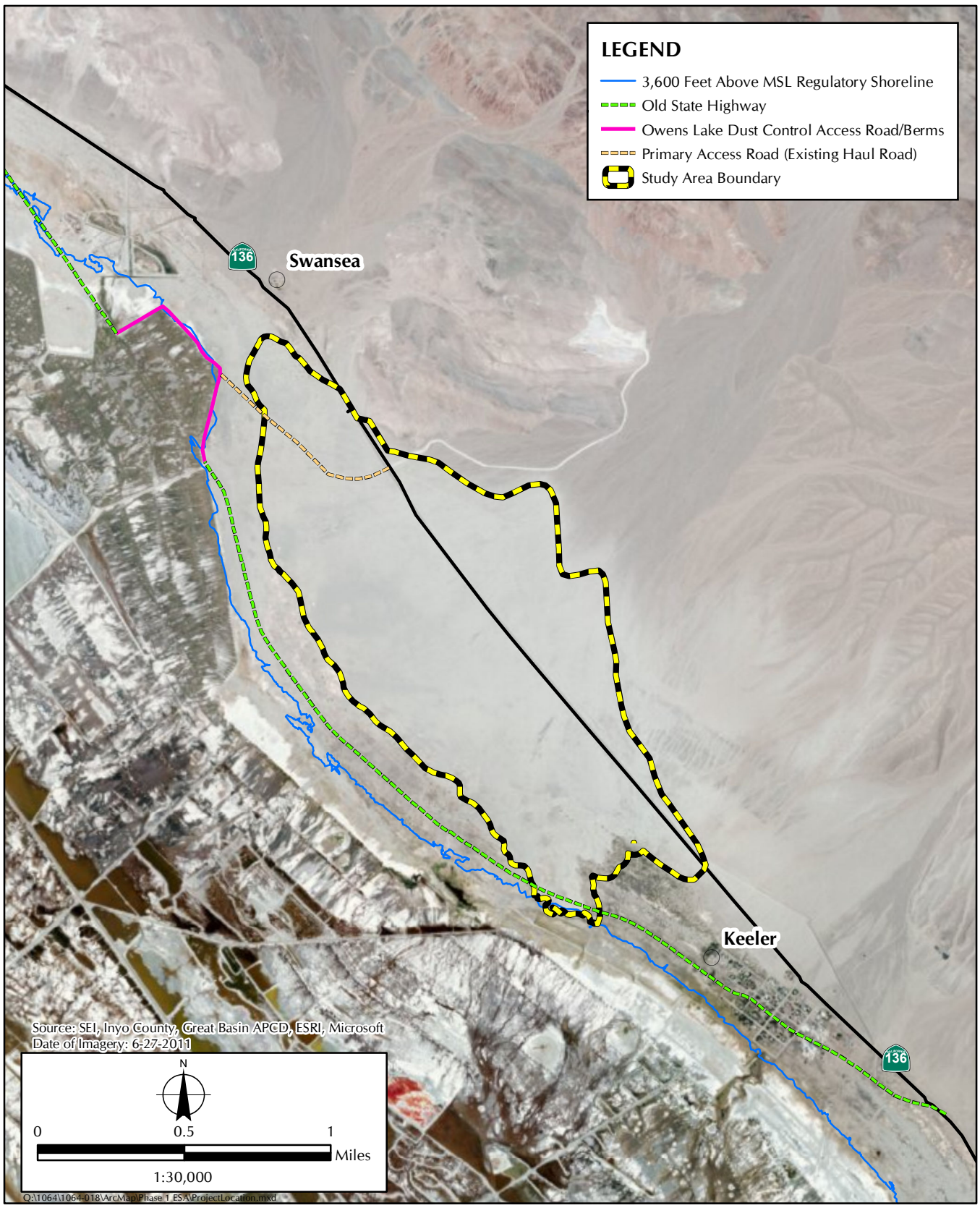


FIGURE 1.1-2
Project Location Map

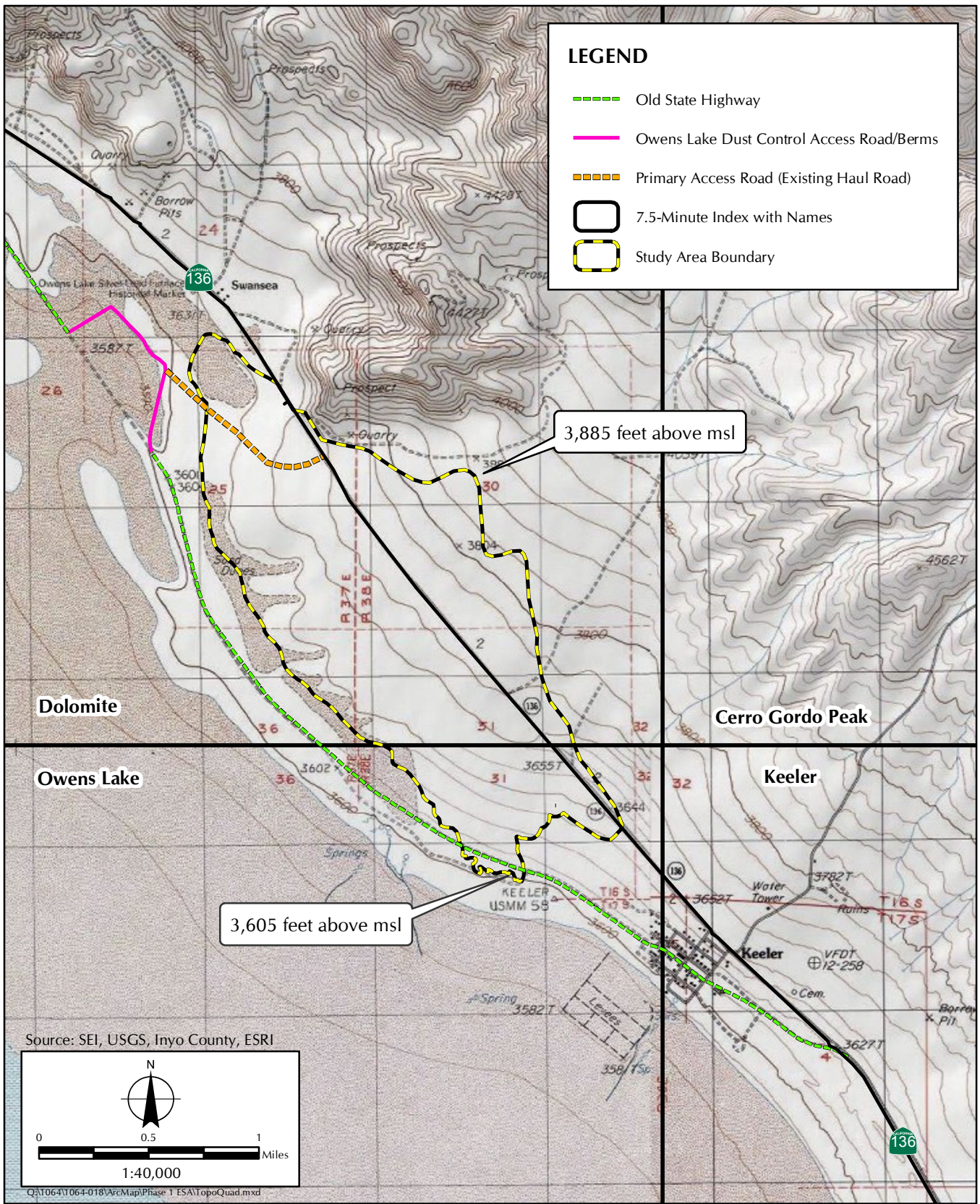


FIGURE 1.1-3
Topographic Map with USGS
7.5-Minute Quadrangle Index

SECTION 2.0

OBJECTIVES AND LIMITATIONS

2.1 PURPOSE

The purpose of this Phase I Environmental Site Assessment (ESA) is to determine the existence or potential for existence of recognized environmental conditions (RECs) at, or adjacent to, the 1.36-square-mile subject property. RECs include, but are not limited to, the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property. This Phase I ESA has been conducted in accordance with the American Society of Testing and Materials (ASTM) Standard E 1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," in order to satisfy 40 CFR Part 312 as required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

2.2 SCOPE OF SERVICES

The scope of work for this Phase I ESA comprises five key tasks:

- Visual inspection of the accessible portions of the subject property and improvements to observe current uses of the subject property and adjacent properties for evidence of existing, potential, or suspected contamination and/or the presence of hazardous substances
- Review of local, tribal, state, and federal environmental regulatory databases to assess the potential for the subject property to be considered or affected by potential, known, or suspected hazardous waste sites; contaminated soil, surface water or groundwater; or leaking underground storage tanks within the standard radius from the property as specified by the ASTM Standard E1527-05¹
- Review of reasonably available historical information, including aerial photographs, fire insurance maps, topographic maps, city directory abstracts, other relevant city and/or county records, property owner(s) interviews, previous environmental investigations, and/or ownership records
- Review of reasonably accessible local building, planning, and/or public works records
- Preparation of a report documenting the findings, opinions, and conclusions regarding observed or potential environmental concerns

¹ American Society for Testing and Materials. 1 November 2005. Standard E 1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."

2.3 SIGNIFICANT ASSUMPTIONS

No significant assumptions were made during the preparation of this update of the Phase I ESA.

2.4 LIMITATIONS AND EXCEPTIONS

Physical testing for herbicides/pesticides, asbestos, lead-based paint, radon gas, vapor intrusion, any other known hazardous materials, or carcinogens were not deemed to be warranted as a result of the records search and field inspection and were not performed, in conjunction with this Phase I ESA.

2.5 USER RELIANCE

This report was prepared by, or under the supervision of, an environmental professional in accordance with ASTM Standard E 1527-005, Appendix X2, *Definition of Environmental Professional and Relevant Experience Thereto, Pursuant to 40 CFR 10*. No warranty, expressed or implied, is made by Sapphos Environmental, Inc.

This Phase I ESA report has been prepared solely for the use and benefit of the Great Basin Unified Air Pollution Control District (District) and the U.S. Department of the Interior Bureau of Land Management (BLM). The scope of work described herein is not intended to be used by any individual, entity, or company other than the District and BLM, and such use is expressly prohibited without written consent of the District; BLM; and Sapphos Environmental, Inc.

This report is intended to serve as a screening device for environmental risk associated with present and past property uses. It should be noted that the degree of examination represented by a Phase I ESA is not intended to be used as an exhaustive and comprehensive investigation for every conceivable and possible environmental hazard, and Sapphos Environmental, Inc. does not make any such assertion. No claim is made for the actual existence or nonexistence of hazardous substances at the subject property or adjacent sites. Sapphos Environmental, Inc. makes no representation or warranty regarding the accuracy, quality, or completeness of any information provided by governmental agencies or other third-party entities used in the preparation of this report.

This report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings of this investigation.

SECTION 3.0

SITE OVERVIEW

The proposed project / proposed action site, which is undeveloped, is located on lands administered by the BLM, the LADWP, California Department of Transportation (Caltrans) right-of-way, and the Keeler Community Service District (KCSD) well site. The proposed project / proposed action site is approximately 194 acres in size and is located within a 1.36-square-mile (870-acre) project study area. The proposed project / proposed action study area is located on the Keeler alluvial fan situated between the base of the Inyo Mountains to the east-northeast and the dried bed of Owens Lake to the west-southwest. The proposed project / proposed action study area extends approximately 2.5 miles to the northwest from the community of Keeler and is bisected by California State Route (SR) 136. The elevation of the site ranges from approximately 3,600 feet above mean sea level (MSL) to approximately 3,885 feet above MSL. Undeveloped land was observed on adjacent properties to the north, east, south, and west.

The proposed project / proposed action consists of installation and monitoring of a dust control measure (DCM), consisting of straw bales and native vegetation, on 194 acres within a total study area of approximately 870 acres of active and mobile sand deposits. Construction would require four staging areas and a temporary access route from each staging area to the proposed project / proposed action site.

There are also six proposed project / proposed action alternatives including a no project / no action alternative. The difference between the proposed project / proposed action and proposed project / proposed action alternatives include differences in the amount of area controlled as well as the source of water and method of irrigation for the native vegetation. The proposed project / proposed action involves DCMs applied to 194 acres using irrigation water transported by water trucks from the Fault Test (FT) well to staging areas and transferred to all-terrain vehicle (ATV) trailer tanks. Alternatives 1 and 2 are the same as the proposed project / proposed action with an increase in DCMs applied to 214 and 197 acres, respectively. Alternative 3 involves DCMs applied to 194 acres using a combination of irrigation water delivered by temporary aboveground polyvinyl chloride (PVC) pipelines and manual watering in selected areas. Alternative 3 also involves the placement of on-site 20,000-gallon water tanks within the staging areas along the Old State Highway. Alternative 4 involves dust control measures applied to 194 acres using water transported by water trucks to roadside staging areas off of State Route 136 for direct connection to a combination of irrigation water delivered by temporary aboveground PVC pipelines and manual watering in selected areas. Alternative 5 involves DCMs applied to 194 acres using water supplied via the existing Keeler Community Services District (KCSD) well/pipeline and delivered using a combination of irrigation water delivered by temporary aboveground PVC pipelines and manual watering in selected areas. Under Alternative 6, no DCMs would be implemented at the Keeler Dunes.

This Phase I ESA covers the entire area for the proposed project / proposed action study area and the six proposed project / proposed action alternatives.

The District regulates fugitive dust (in the form of particulate matter that is 10 microns or less in size [PM₁₀]), emissions in the OVPA, which includes the Keeler Dunes area, consistent with the requirements of the NAAQS. In January 1993, the U.S. EPA classified the Owens Valley as a serious nonattainment area for PM₁₀. The dried Owens Lake bed has been the largest single source of PM₁₀ emissions in the United States, with annual PM₁₀ emissions of more than 80,000 tons and

24-hour concentrations as high as 130 times the federal air quality standard. The air pollution at Owens Lake is caused by wind dispersing exposed dry lake bed sediments into the air. These sediments were exposed as a result of diversion of water from the Owens River and other streams that once flowed into Owens Lake. By the 1920s, all that remained of the lake was a 26-square-mile hyper-saline brine pool, and by 1924, Owens Lake was virtually dry.¹ The Federal Clean Air Act required that the District produce a SIP in 1997 that detailed how the PM₁₀ problem would be brought into conformance with federal standards.

The District signed an agreement with the City of Los Angeles in 1998 that set a schedule for implementing controls. These controls were approved by U.S. EPA. The PM₁₀ levels were required to be reduced to the federal standard by 2006 or the District would be subject to federal sanctions, which could include withholding of federal highway funds. The District's 2003 SIP revision required a total of 29.8 square miles to be controlled by the end of 2006 and additional areas, if necessary, to meet the standard as they are verified. In 2006, an additional 12.7 miles of dust controls were ordered by the District. The 2008 SIP was prepared due to a finding by the U.S. EPA that the OVPA did not attain the 24-hour NAAQS for PM₁₀ by December 31, 2006. The 2008 SIP requires that the NAAQS can be attained by spring 2018 (CAAA §179[d][3]).

Approved BACMs for control of dust on Owens Lake include shallow flooding; managed vegetation; gravel cover; and combinations of these methods, termed a hybrid. Shallow flooding composes approximately 87 percent of the existing 42 square miles of DCMs implemented on the lake bed with managed vegetation and gravel cover composing the remainder as of December 2012.²

The 2008 SIP also incorporates provisions of the 2006 Settlement Agreement between the District and the LADWP to expand DCMs to additional areas at Owens Lake in order to attain the NAAQS as soon as practicable.³ The 2008 SIP noted Keeler Dunes as one of the off-lake bed areas consistently exceeding NAAQS and state standards for PM₁₀. The Keeler Dunes is located adjacent to Owens Lake, immediately north-northwest of the community of Keeler, California. Sand and dust from the Keeler Dunes become mobile during high-wind events and, since dust sources on the bed of Owens Lake are about 90 percent controlled, constitute one of the last main dust sources contributing to exceedances of the state and federal 24-hour PM₁₀ standard in the communities of Keeler and Swansea.⁴ As a result of data collected since April 2000, the District has identified the Keeler Dunes as one of the areas that need to be controlled to attain the NAAQS for PM₁₀ within the OVPA. The Keeler Dunes have continued to cause an average of six PM₁₀ standard exceedances every year since 1993.

¹ Great Basin Unified Air Pollution Control District. January 2008. *2008 Owens Valley PM₁₀ Planning Area Demonstration of Attainment State Implementation Plan—Final Subsequent Environmental Report*. Prepared by: Sapphos Environmental, Inc., Pasadena, CA. Bishop, CA.

² The 42-square-mile dust control area includes the 2-square-mile Phase 8 Gravel and the 0.6-square-mile sand fence area in T1A-1.

³ Great Basin Unified Air Pollution Control District and City of Los Angeles Department of Water and Power. November 2006. *Settlement Agreement Resolving City's Challenge to the District's Supplemental Control Requirement (SCR) Determination for the Owens Lake Bed*. Los Angeles, CA.

⁴ Great Basin Unified Air Pollution Control District. 28 January 2008. *2008 Owens Valley PM₁₀ Planning Area Demonstration of Attainment State Implementation Plan*. Bishop, CA.

SECTION 4.0 SITE INSPECTION

4.1 SITE OBSERVATIONS

The subject property encompasses a 1.36-square-mile (870-acre) area. The subject property slopes gently downward from northwest to southeast, but is generally flat. The proposed project / proposed action area is situated on the western portion of the Keeler alluvial fan between the Inyo Mountains to the east-northeast and the dried bed of Owens Lake to the west-southwest.

The site inspection was performed by driving along SR 136, which bisects the property from northwest to southeast; a primary access route and the Owens Lake Dust Control Access Road at the northern end of the subject property; and the Old State Highway, which runs along the southwest boundary of the subject property (Figure 4.1-1, *Phase I ESA Survey Locations*). Representative photographs of the subject property are provided in Appendix A, *Site Photographs*.

The subject property consists of the following 13 Inyo County Assessor parcel numbers (APNs):

- 026-230-13
- 026-230-23
- 026-240-06
- 026-240-15
- 026-240-17
- 026-270-18
- 026-240-19
- 027-270-06
- 027-270-08
- 027-270-13
- 027-270-14
- 027-270-17
- 031-010-14

The entire subject property and its adjacent properties are undeveloped and covered by sparse vegetation. The Inyo County Waste Management Keeler Transfer Station (Survey Location 8) is located approximately 0.25 mile to the southeast of the subject property. This transfer station is a collection point for non-hazardous municipal waste which is disposed at an off-site municipal landfill.

The Keeler Dunes area consists of sand sheets with several active sand dune areas. A water diversion structure, which was built by the California Department of Transportation to divert runoff from the area upslope of the highway, is located east of the paved roadway.

The Keeler Dunes area is characterized by a Desert Scrub plant community. Portions of the area west of SR 136 are largely devoid of vegetation. Sparse vegetation cover, almost exclusively consisting of saltbush (*Atriplex parryii*), is found interspersed among the active dune areas. Denser plant communities composed of saltbush, greasewood (*Sarcobatus vermiculatus*), burrobush (*Ambrosia dumosa*), and cheesebush (*Hyumenoclea salsola*) are located upslope of the dunes complex to the east of SR 136.

The KCSO groundwater well that serves the community of Keeler was observed approximately one-quarter mile east of the subject property on the east side of SR 136, approximately one-half mile northeast of the community of Keeler (Survey Location 13). This well and its associated appurtenant structures, which appeared to be in operation, are enclosed with chain-link fencing. A wooden storage shed situated next to the well in the chain-link enclosure is used to store chlorine that is used for water treatment. No visual or olfactory indications of the leakage or spillage of chlorine were observed at this location.

No indications of unauthorized releases of hazardous materials or unauthorized disposal sites were identified at, or adjacent to, the subject property.

4.2 ABOVEGROUND STORAGE TANKS AND UNDERGROUND STORAGE TANKS

No aboveground storage tanks (ASTs) or underground storage tanks (USTs) were identified at the subject property.

4.3 TRANSFORMERS AND POLYCHLORINATED BIPHENYLS EQUIPMENT

No transformers or other polychlorinated biphenyl equipment were observed at the subject property.

4.4 REGULATED HAZARDOUS MATERIALS

No evidence of regulated hazardous materials was observed at the site.

4.5 ASBESTOS-CONTAINING MATERIALS

Inspection for asbestos-containing materials (ACMs) was not included in the scope of this assessment. However, the plumbing associated with the existing KCSD well was visually inspected for the use of asbestos-containing transite pipe. The result of the inspection indicated that the piping associated with this well are metallic; therefore, testing for ACMs was not deemed necessary. No apparent indications of the use of suspect ACMs were identified at the site.

4.6 LEAD-BASED PAINTS

Inspection for lead-based paints (LBPs) was not included within the scope of this assessment. However, no apparent indications of suspect LBPs were identified at the site.

4.7 RADON GAS

Testing for radon gas was not included in the scope of this assessment.

4.8 AREA RECONNAISSANCE

The adjacent lands, in all directions, are undeveloped. No indications of the subject property being exposed to contamination from off-site sources were observed. It should be noted that SR 136 is adjacent to the turnout area considered in Alternative 4 and the KCSD well under consideration for Alternative 5.

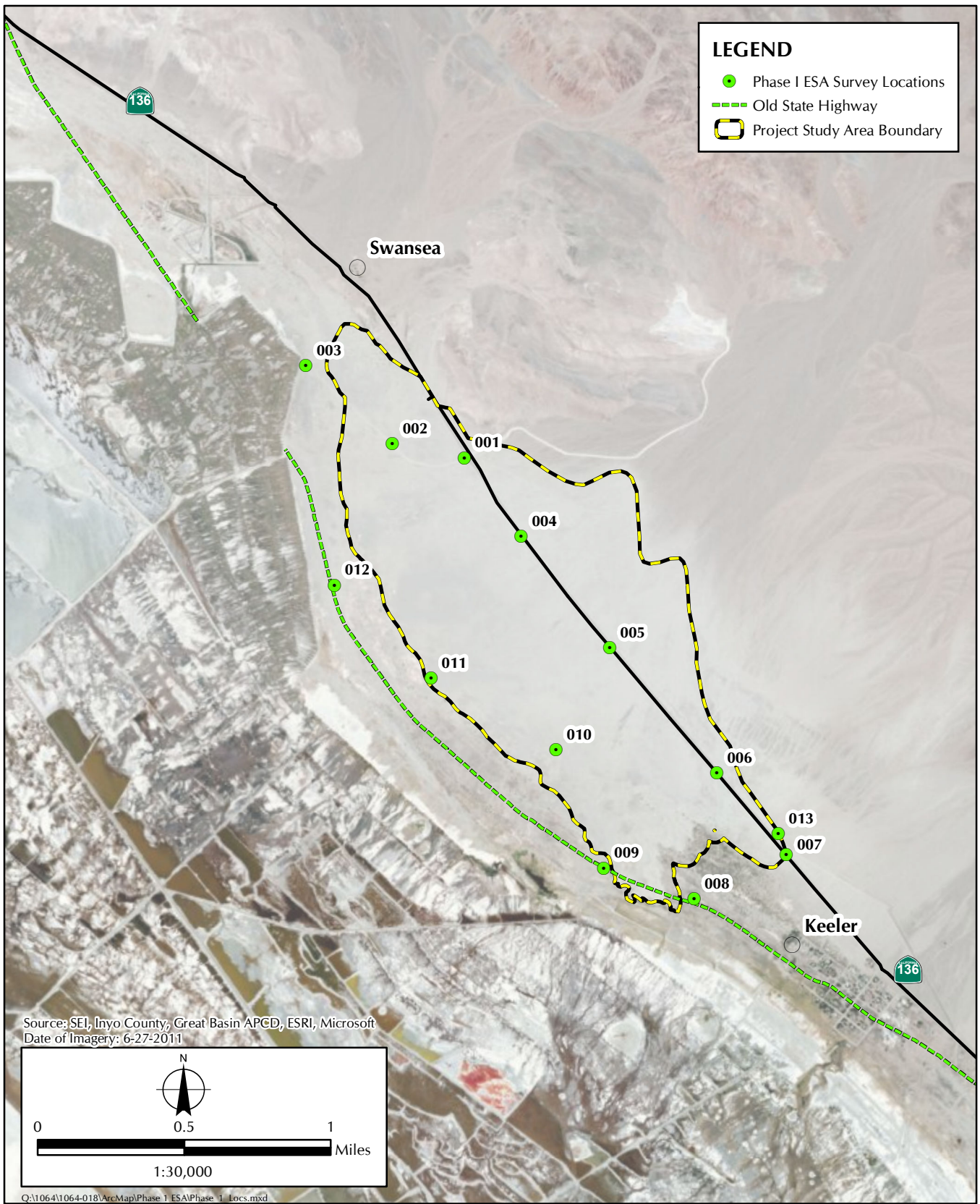


FIGURE 4.1-1
Phase I ESA Survey Locations

SECTION 5.0 SITE HISTORY

The following historical information was identified for the subject property and its adjacent properties.

5.1 HISTORICAL U.S. GEOLOGICAL SURVEY TOPOGRAPHIC MAPS

Historical U.S. Geological Survey (USGS) topographic maps of the subject property and adjacent properties were identified and reviewed for the years 1913, 1951, and 1987 (Appendix B, *Historical Topographic Maps*).¹ The review of these topographic maps indicates that the site has remained relatively unchanged. However, developments as they appeared during each time period are described below. The topographic relief of the project study area is 280 feet, with the elevation ranging from 3,605 feet above mean sea level (MSL) near the historic shore of Owens Lake to 3,885 feet above MSL on the upper portion of the alluvial fan.

1913

The Southern Pacific railroad line traverses the subject property in a northwest-southeast direction. A tramway traveled northeast from the southern portion of the site to the Cerro Gordo Mine in the nearby Inyo Mountain range. A facility indicated as “Soda Works” existed near the center of the subject property. No other developments were observed.

1951, 1987

The subject property was depicted as undeveloped land. The “Soda Works” facility, depicted on the 1913 historical topographic map, was not depicted on these maps. The communities of Swansea and Keeler are located approximately one half mile to the north and one-quarter mile to the southeast of the subject property, respectively.

5.2 HISTORICAL AERIAL PHOTOGRAPHS

Historical aerial photographs of the subject property were identified for the years 1947, 1964, 1982, 1994, 1998, 2005, 2010, and 2012 (Appendix C, *Historical Aerial Photographs*).² These photographs indicate that land uses at the subject property and adjacent parcels have remained unchanged throughout these time periods, consisting predominantly of undeveloped parcels covered by low-lying vegetation. A water diversion structure, which was built by Caltrans to divert runoff from the area upslope of the highway, is visible east of the paved roadway in the photographs taken from 1964 to 2012. No other changes in land use were identified at the subject property or its adjacent properties.

¹ Environmental Data Resources, Inc. 25 July 2013. *The EDR Historical Topographic Map Report, Inquiry Number 3661888.1*. Contact: 440 Wheelers Farms Road, Milford, CT 06461.

² Environmental Data Resources, Inc. 20 July 2013. *The EDR Aerial Photo Decade Package, Inquiry Number 3667562.1*. Contact: 440 Wheelers Farms Road, Milford, CT 06461.

5.3 HISTORICAL SANBORN FIRE INSURANCE MAPS

Historical Sanborn fire insurance maps were not available for the subject property (Appendix D, *Sanborn Map Report*).³

5.4 USER QUESTIONNAIRE

A request for information the pertaining to the questions provided in Appendix X3, *User Questionnaire*, of ASTM Standard E 1527-05 was sent to the LADWP, the BLM, and the KSCD as owners/users of the subject property.

Responses to these questions are required in order for the user to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Failure to provide responses to these questions could result in a determination that “all appropriate inquiry” is not complete.

Neither the LADWP, the BLM, nor the KSCD provided responses to the questionnaire at the time of the preparation this report. However, the LADWP submitted a letter stating that the files regarding the Keeler Transfer Station were available for review at the LADWP Bishop, California office.⁴ Based on the review of the LADWP records, the County of Inyo originally leased approximately 20 acres from LADWP in March 1959, known as the Keeler Landfill, to be used as a public garbage pit.⁵ The former Keeler Landfill ceased operation prior to December 1987.⁶ The former Keeler Landfill consisted of two distinct and separate disposal areas, identified as Site 1 and Site 2. Please see Figure 5.4-1, *Former Keeler Landfill and Existing Keeler Transfer Station Locations*. Site 1 consisted of approximately 0.7 acre located approximately 150 feet east of the southern boundary of the subject property. Site 2 consisted of approximately 1.1 acres, of which a portion is located within the southern boundary of the subject property.

The former Keeler Landfill historically served the community of Keeler and the surrounding area is believed to have begun operations in the late 1940s. Site 2 was the original landfill site and was operated till the mid-1970s. Site 1 began operation in the mid-1970s, replacing Site 2. Site 1 landfilling operations ceased in December 1987 and a small volume transfer station was located at Site 1.

The types of wastes received at the former landfill sites included wood waste, scrap metal, yard waste, and municipal waste. Historically, most of the waste received was burned. It appears a combination of area fill method and the trench fill method of waste disposal was used at Site 1. The size, depth, and location of the trenches are not known. The total volume of in-place waste is not known, but is estimated to be less than 10,000 cubic yards based on the waste footprint area and an assumed depth of 8 feet. It appears the area fill method of waste disposal was used at Site 2,

³ Environmental Data Resources, Inc. 10 July 2013. *Certified Sanborn Map Report, Inquiry Number 3661888.3*. Contact: 440 Wheelers Farms Road, Milford, CT 06461.

⁴ Letter from James G. Yannotta, Manager of Aqueduct, Department of Water and Power of the City of Los Angeles to André A. Anderson, Senior Environmental Compliance Specialist, Sapphos Environmental, Inc. Dated 26 September 2013.

⁵ Department of Water and Power of the City of Los Angeles. 2 February 1959. Rental Agreement No. 9725 with the County of Inyo. 2 February 1959.

⁶ Minshew Engineering. March 2004. Final Closure and Post-closure Maintenance Plan, Keeler Landfill, Inyo County, California.

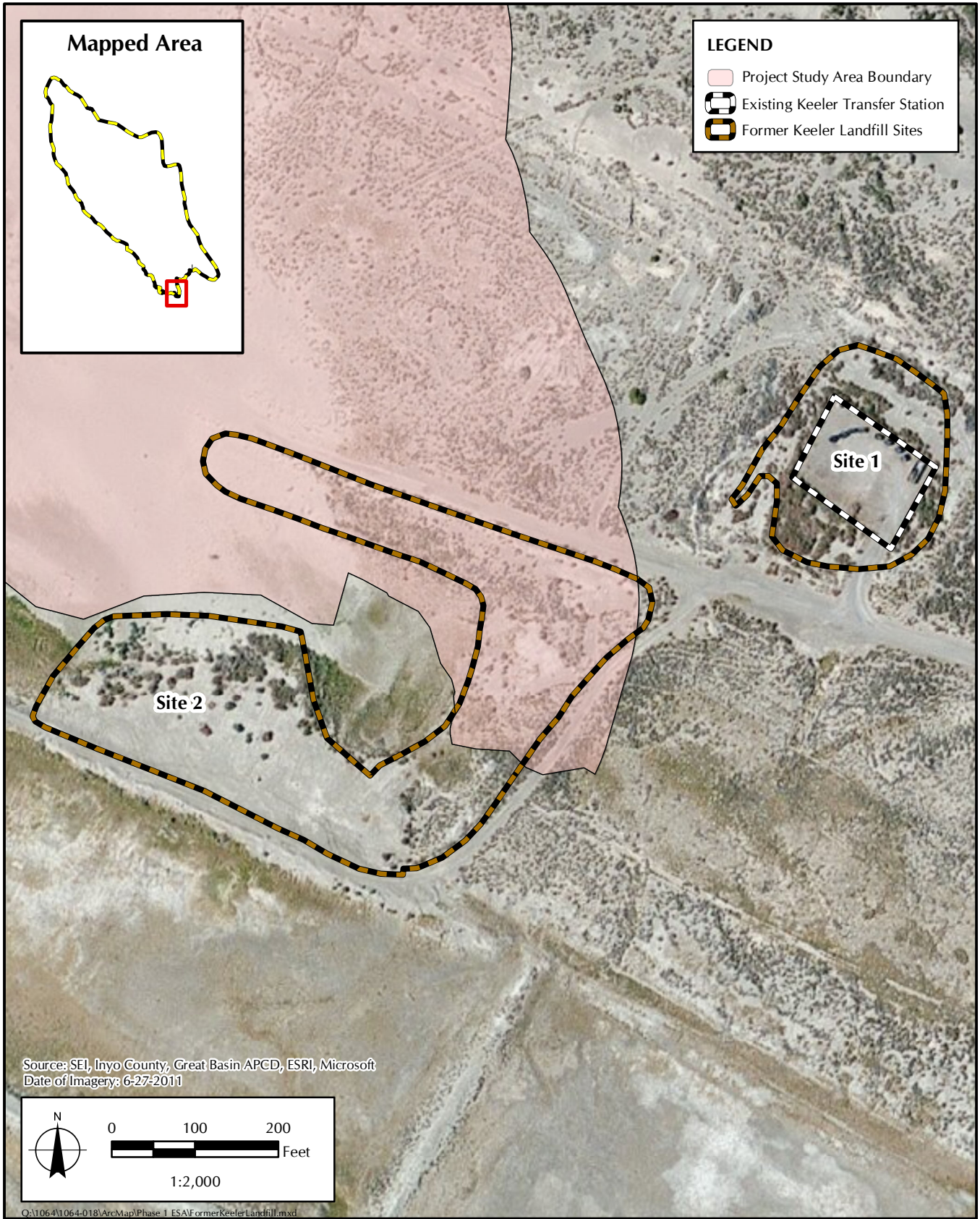


FIGURE 5.4-1
Former Keeler Landfill and Existing Keeler Transfer Station Locations

with waste fill area being 1 to 3 feet higher than surrounding grade. The total volume of in-place waste is not known, but it is estimated to be less than 3,600 cubic based upon the waste footprint and an assumed depth of 2 feet.⁷

Landfilling activities are currently inactive. The former landfill has a small volume municipal waste transfer station in operation within Site 1 footprint the former Keeler Landfill. The waste is collected in bins and disposed at the Lone Pine Landfill. The facility receives less than one ton per day of waste.⁸

A Solid Waste Facilities Permit Application submitted by Inyo County in 1992 to the State of California Waste Management Board indicated that the a portion of Site 1 would be used as a transfer station for nonhazardous municipal waste.⁹

5.5 THE KEELER COMMUNITY SERVICES DISTRICT

Several unsuccessful attempts were made to contact the KCSD regarding information about the existing groundwater well that serves the community of Keeler. According to information obtained from the KCSD website, the KCSD was formed in 1980 and provides drinking water to 58 customers.¹⁰ Information provided by the District, a permit to install the KCSD well was issued in 1983. The well was actually constructed in 1984.¹¹ No other information regarding the KCSD well was readily available.

⁷ Minshew Engineering. March 2004. Final Closure and Post-closure Maintenance Plan, Keeler Landfill, Inyo County, California.

⁸ Minshew Engineering. March 2004. Final Closure and Post-closure Maintenance Plan, Keeler Landfill, Inyo County, California.

⁹ State of California Waste Management Board. 5 October 1992. Solid Waste Facilities Permit Application from Inyo County Environmental Health Department.

¹⁰ Keeler Community Services District website. Available at: <http://inyoplanning.org/lafco/documents/LAFCO-2012-KeelerCSD.pdf>

¹¹ Telephone conversation between Andre A. Anderson, Senior Environmental Compliance Specialist, Sapphos Environmental, Inc. and Grace Holder, Project Manager, Great Basin Unified Air Pollution Control District. February 26, 2014.

SECTION 6.0 ENVIRONMENTAL SETTING

6.1 TOPOGRAPHY

The current environs of the Keeler Dunes area consist of sand sheets with several active sand dune areas. Recent research completed by the Desert Research Institute on behalf of the District indicates that while portions of these dunes may have been formed during periods of lake regression in the early Holocene, the greatest depositional period has been in the past 100 years since the desiccation of the lake following diversions by LADWP beginning in 1913.¹ The proposed project area is bisected by State Route 136, which runs along the eastern edge of Owens Lake. A water diversion structure, which was built by Caltrans to divert runoff from the area upslope of the highway, is located east of State Route 136. The topography of the subject property slopes gently to the south from the Tehachapi Mountains in the north. The project study area is bounded approximately by the Inyo Mountains on the east-northeast and the historic Owens Lake bed on the west-southwest, and extends approximately 2.5 miles to the northwest from the community of Keeler. Ephemeral drainages convey storm water from the foothills in the north across the subject property, in response to infrequent rain storms and snowmelt.

6.2 REGIONAL GEOLOGIC SETTING

Inyo County is characterized and contrasted by large mountain ranges and deep valleys formed by successive tectonic episodes of uplift and downward movements. The Owens Valley is a pull-apart, strike-slip basin formed by the uplift and subsidence of the surrounding mountains and valley floor.² These geologic forces are also responsible for the five major fault zones present in the region. Two large fault systems underlie the Owens Valley, while the surrounding mountains contain localized networks of faults, many of which have been active in the recent geologic past.³ Movement along these faults can result in hazards such as liquefaction, ground shaking, landslides, and unstable soils. The Owens Valley forms the westernmost basin of the Great Basin physiographic province and collects a variety of sediments transported from the Sierra Nevada Mountains to the west and the Inyo Mountains to the east.⁴

During the Late Pleistocene, Owens Lake was an open-basin lake reaching high stands between approximately 3,756 feet (1,145 meters) and 3,805 feet (1,160 meters) above MSL and a closed-basin lake during the Holocene.⁵ Closed-basin conditions have prevailed throughout most of the lake's history, which imply that there is no transport of material, either water or sediment, except through evaporation or wind transport.⁶

¹ Great Basin Unified Air Pollution Control District. 2012. "Origin and Development of the Keeler Dunes." Available at <http://gbuapcd.org/keelerdunes/originanddevelopment/>.

² Johnson et al. June, 1999. *Characterization of the Owens Lake Basin Hydrology System Inyo County, California*. Prepared for: Great Basin Unified Air Pollution Control District. Bishop, CA. Available at: <ftp://gbuapcd.org/HydroReports/Hydrology%20Summary%20Report.pdf>

³ Slemmons, D.B., Vittori, E., Jayko, A.S., Carver, G.A., Bacon, S.N. 2008. *Quaternary Fault and Lineament Map of Owens Valley, Inyo County, Eastern California*. Geological Society of America. Boulder, Colorado.

⁴ Hunt, C.B. 1967. *Physiography of the United States*. San Francisco, CA: W.H. Freeman and Company.

⁵ Bacon, S.N., R.M. Burke, S.K. Pezzopane, and A.S. Jayko. 2005. "Last Glacial Maximum and Holocene Lake Levels of Owens Lake, Eastern California, USA." *Quaternary Science Reviews*, 1–19.

⁶ Soil and Water West, Inc. 25 September 2001. *Owens Lakebed Survey (Revised)*. Prepared by: Soil and Water West, Inc., P.O. Box 44666, Rio Rancho, NM. Prepared for: Great Basin Unified Air Pollution Control District, Bishop, CA.

Paleoenvironmental analyses indicate that Owens Lake has experienced a number of oscillations between approximately 27,000 calibrated years before present (cal yr BP) to the present resulting from climate changes.⁷ Studies indicate the lake reached high stands between 24,000 and 23,730 cal yr BP; 15,700 and 15,000 cal yr BP; and 7,860 and 7,650 cal yr BP.^{8,9} Dry periods were recorded between approximately 18,920 and 15,590 cal yr BP; at 11,200 cal yr BP; and between 6,500 and 4,400 cal yr BP.¹⁰ Lake oscillations continued throughout the Late Holocene and, between 350 and 230 cal yr BP, records indicate that the lake dried into a playa.¹¹ The lake began its complete and final desiccation period after 1913, when the Owens River water was diverted to the Los Angeles Aqueduct by the City of LADWP.¹² By the mid-1920s, Owens Lake had become a dry playa, only to receive water on seven occasions due to unusually high runoff, in 1938, 1967, 1969, 1980, 1982, 1983, and 1986.¹³

The geomorphology of the subject property is characterized by aeolian, alluvial, lacustrine, playa, and anthropogenic features. The proposed project / proposed action study area consists mainly of active aeolian sand sheets and dunes and coppice and vegetated dunes overlying alluvial, lacustrine, and playa surfaces. Nearly all geomorphological features are formed of sand of varying size and texture. Many of the geomorphological features are quite recent, with aeolian and alluvial features formed as recent as the late 20th century.^{14,15}

⁷ Bacon, S.N., R.M. Burke, S.K. Pezzopane, and A.S. Jayko. 2005. "Last Glacial Maximum and Holocene Lake Levels of Owens Lake, Eastern California, USA." *Quaternary Science Reviews*, 1–19.

⁸ Bacon, S.N., R.M. Burke, S.K. Pezzopane, and A.S. Jayko. 2005. "Last Glacial Maximum and Holocene Lake Levels of Owens Lake, Eastern California, USA." *Quaternary Science Reviews*, 1–19.

⁹ Orme, A.R., and A.J. Orme. 1993. "Late Pleistocene Oscillations of Lake Owens, Eastern California." *Geological Society of America Abstracts with Programs*, 25: 129–130.

¹⁰ Benson, L., Kashgarian, M., Rye, R., Lund, S., Paillet, F., and Smoot, J. 2002. "Holocene Multidecadal and Multicentennial Droughts Affecting Northern California and Nevada." *Quaternary Science Review*, 21: 659–682.

¹¹ Li, H-C., Bischoff, J.L., Ku, T.L., Lund, S.P., and Stott, L.D. 2000. "Climate Variability in East Central California during the Past 1000 Years Reflected by High Resolution Geochemical and Isotopic Records from Owens Lake Sediments." *Quaternary Research*, 54: 189–197.

¹² Smith, G.I., and Bischoff, J.L., Editors. 1993. "Core O.L. 92 from Owens Lake, Southeast California." U.S. Department of the Interior, U.S. Geological Survey, Open File Report 93-683. Menlo Park, CA.

¹³ Stine, S. 1994. *Late Holocene Fluctuations of Owens Lake, Inyo County, California*. Prepared for: Far Western Anthropological Research Group, Inc., Davis, CA.

¹⁴ Desert Research Institute. November 2012. Late Holocene Stratigraphy and Chronology of Keeler Dunes Area Final Report. Available at:
http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20E%20-%20Stratigraphy%20Chronology%20and%20Sand%20Source%20Analysis/Lancaster%20and%20Bacon%202012a_Late%20Holocene%20stratigraphy%20and%20chronology_Final20121116.pdf

¹⁵ Desert Research Institute. November 2012. Late Holocene Stratigraphy and Chronology of Keeler Dunes Area Final Report. Available at:
http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20E%20-%20Stratigraphy%20Chronology%20and%20Sand%20Source%20Analysis/Lancaster%20and%20Bacon%202012a_Late%20Holocene%20stratigraphy%20and%20chronology_Final20121116.pdf

6.3 GEOLOGY AND SOILS

The predominant soils in the subject property are primarily coarse to loamy sands formed from local sandy alluvium (Figure 6.3-1, *Geomorphic Map of the Keeler Dunes Area*).^{16,17} Soil composition varies with depth and can include gravels and clays.¹⁸ The soils may have a thin salt crust on the surface unless it has been destroyed by wind erosion.¹⁹ Coarse-textured soils are generally located near the inflow of the Owens River and finer-textured soils are located farther away on the lake bed.

Five geomorphic feature types have been mapped for the Keeler dune field area: aeolian, alluvial, lacustrine, playa, and anthropogenic.²⁰

Aeolian features make up the majority (51.3 percent) of the Keeler dune field area and include active dune, active sand sheet, sand sheet with coppice dunes, and vegetated dune landform units.²¹ The active sand dunes are generally low in height (2–3 meters; 6–10 feet) and are concentrated in the southwest portion of the proposed project / proposed action area.²² Active sand sheets are generally flat planar features of sand less than 4 feet (1.2 meters) thick that move across and cover older playa surfaces and shoreline features.²³ Sand sheets with coppice dunes are areas of active sand that form low, vegetated sand mounds generally under 3 feet (1 meter) high.²⁴ Vegetated dunes may reach 10 feet (3 meter) in height, have significant vegetation coverage, and

¹⁶ U.S. Department of Agriculture, Natural Resources Conservation Service. Soil Survey Geographic Database (SSURGO ca675). Available at: <http://soils.usda.gov/survey/geography/ssurgo/>

¹⁷ Great Basin Unified Air Pollution Control District. June 1997. *Soils of the Owens Lake Playa, Report I*. Keeler, CA.

¹⁸ Great Basin Unified Air Pollution Control District. June 1997. *Soils of the Owens Lake Playa, Report I*. Keeler, CA.

¹⁹ Great Basin Unified Air Pollution Control District. June 1997. *Soils of the Owens Lake Playa, Report I*. Keeler, CA.

²⁰ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

²¹ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

²² Desert Research Institute. November 2012. Late Holocene Stratigraphy and Chronology of Keeler Dunes Area Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20E%20-%20Stratigraphy%20Chronology%20and%20Sand%20Source%20Analysis/Lancaster%20and%20Bacon%202012a_Late%20Holocene%20stratigraphy%20and%20chronology_Final20121116.pdf

²³ Desert Research Institute. November 2012. Late Holocene Stratigraphy and Chronology of Keeler Dunes Area Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20E%20-%20Stratigraphy%20Chronology%20and%20Sand%20Source%20Analysis/Lancaster%20and%20Bacon%202012a_Late%20Holocene%20stratigraphy%20and%20chronology_Final20121116.pdf

²⁴ Desert Research Institute. November 2012. Late Holocene Stratigraphy and Chronology of Keeler Dunes Area Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20E%20-%20Stratigraphy%20Chronology%20and%20Sand%20Source%20Analysis/Lancaster%20and%20Bacon%202012a_Late%20Holocene%20stratigraphy%20and%20chronology_Final20121116.pdf

are found concentrated in the southeast portion of the proposed project / proposed action area.²⁵ The aeolian sands are typically medium-coarse grained and poorly to moderately sorted.

The alluvial features mapped in the Keeler dune field area include four alluvial fan units of varying age and a flood deposits unit. Generally, the alluvial fans in this area are coarse-grained and poorly sorted sedimentary deposits that are overlain by younger aeolian units throughout the Keeler dune field area.²⁶ Flood deposits are mostly silt and fine sand sediments deposited between 3,500 cal yr BP and recent time.²⁷

The lacustrine features mapped in the Keeler dune field area include four lake plain units, two beach ridge units, and two terrace units of varying form and age. The lake plain units are former lake bottoms with surface cover ranging from a gravely desert pavement to tufa.²⁸ Beach ridges are sandy ridges parallel to former shorelines that formed through wave action.²⁹ The terrace units are the oldest units mapped in the Keeler dune field area and consist of well-developed ridges reaching heights of 6–10 feet (2–3 meters).³⁰ The lacustrine units are present mainly in the western portion of the Keeler dune field area.

Playa with silt crust is surface sediment on the exposed Owens Lake bed.³¹ Two units associated with Owens playa sediment were recorded in the Keeler dune field area: disturbed playa surfaces

²⁵ Desert Research Institute. November 2012. Late Holocene Stratigraphy and Chronology of Keeler Dunes Area Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20E%20-%20Stratigraphy%20Chronology%20and%20Sand%20Source%20Analysis/Lancaster%20and%20Bacon%202012a_Late%20Holocene%20stratigraphy%20and%20chronology_Final20121116.pdf

²⁶ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

²⁷ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

²⁸ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

²⁹ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

³⁰ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

³¹ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

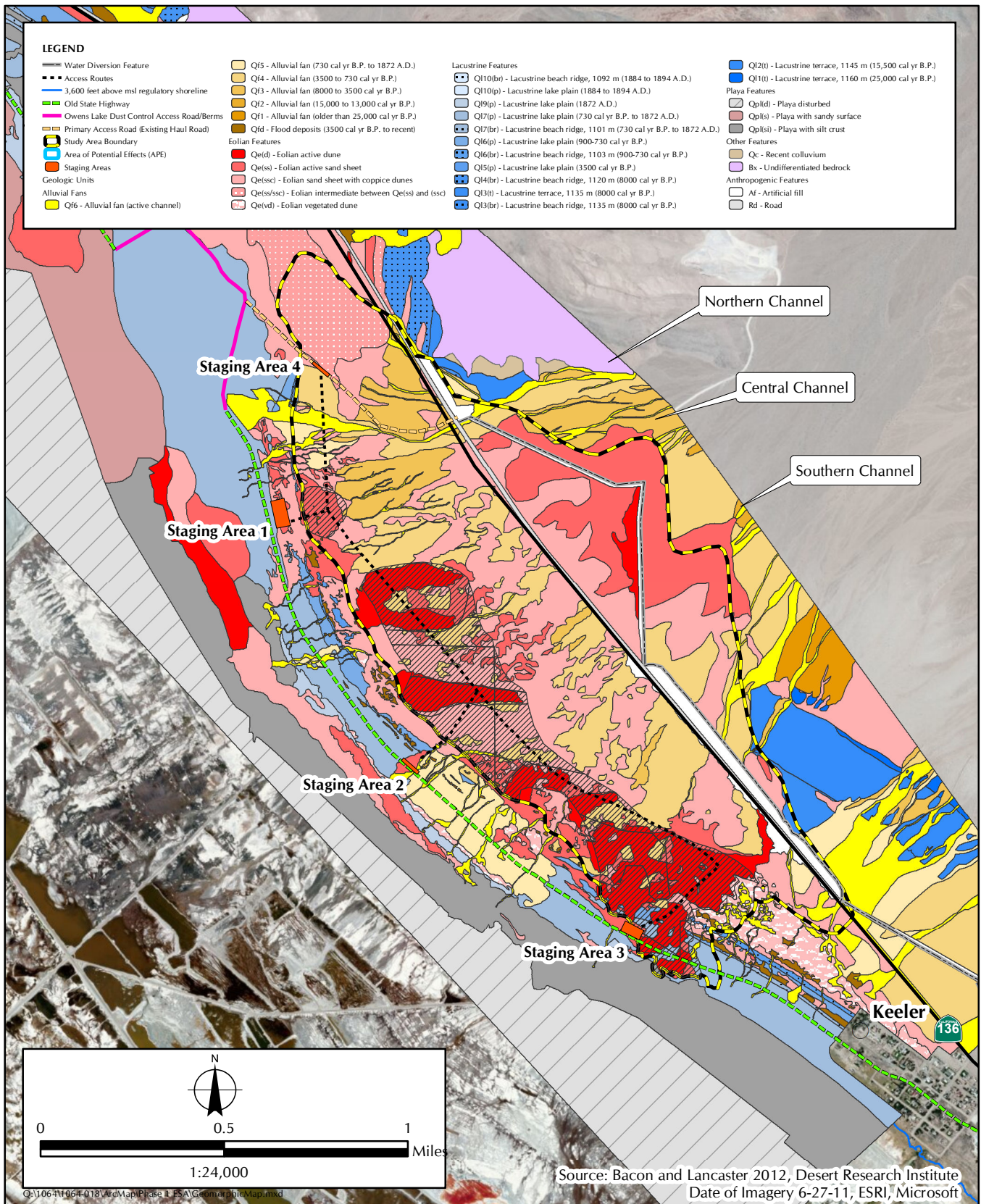


FIGURE 6.3-1
Geomorphic Map of the Keeler Dunes Area

and playa with silt crust. Both are present on the west edge of the Keeler dune field area. Disturbed playa surfaces have been impacted by human activity associated with dust abatement.³²

Anthropogenic features are areas of significant human disturbance to the natural landscape, such as those that result from road construction.³³ These features are mainly present on the northeastern edge of the Keeler dune field area.

Based on analysis of historical photographs and satellite images, the historical development of the Keeler dune field has undergone significant changes since the mid-1940s, with a significant expansion of the dune area from the late 1950s to the 1990s. These changes include an increase in the area of the dune field and the development of well-defined linear and crescentic dunes³⁴. There are two primary directions of sand movement: northwest/north-northwest and south/south-southeast. However, the overall net movement of sand is toward the southeast. The expansion of the dune field area involves sand from outside the dune field, including sand from the adjacent Owens River delta and NSS system.

The dune field overlies older sediment. The northern part of the dune field overlies early to late-Holocene (approximately 12,000 years ago to present) alluvial fan deposits, while the southern part of the dune field also overlies late Holocene deposits, alluvial fan deposits, as well as Holocene lacustrine (lake) deposits associated with ancient Owens Lake. Between the dune field and the exposed historic lakebed, the soil is predominately clays and silts associated with the Late Holocene to Owens Lake. In places within the dune field, there are scattered areas of thin (up to 20 centimeters) laminated silt deposits that overlie horizontally laminated or cross-bedded sand of aeolian origin.³⁵ Mineralogical analyses indicate that sand that comprises the dune field was derived from the Owens River system.³⁶ The mineral composition of the sand in the Keeler Dunes is dominated by quartz and feldspar.³⁷

6.4 GROUNDWATER

The District has conducted an analysis of groundwater beneath the Keeler Dunes utilizing available data from the existing groundwater wells in the area and ground surface elevation data.³⁸ The groundwater elevation is approximately 3,614 feet above MSL at the subject property. Depth to

³² Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

³³ Desert Research Institute. November 2012. Geomorphic Mapping of the Keeler Dunefield and Surrounding Areas Final Report. Available at: http://www.gbuapcd.org/keelerdunes/originanddevelopment/finalstaffreport/Attachment%20D%20-%20Geomorphology/Bacon%20and%20Lancaster%202012_FINAL_REPORT_Geomorphic_Mapping_of_the_Keeler_Dunefield_and_Surrounding_Areas20121114.pdf

³⁴ Desert Research Institute. 9 March 2012. Development of the Keeler Dunefield, Part 1 – “Analysis of Aerial Photographs and Satellite Images.” Reno, NV.

³⁵ Desert Research Institute. 9 March 2012. Development of the Keeler Dunefield, Part 1 – “Analysis of Aerial Photographs and Satellite Images.” Reno, NV.

³⁶ Desert Research Institute. 9 March 2012. Development of the Keeler Dunefield, Part 1 – “Analysis of Aerial Photographs and Satellite Images.” Reno, NV.

³⁷ Desert Research Institute. 9 March 2012. Development of the Keeler Dunefield, Part 1 – “Analysis of Aerial Photographs and Satellite Images.” Reno, NV.

³⁸ Inyo County Planning Committee. December 2011. *Draft Owens Lake Master Plan*. Review Draft. Independence, CA.

groundwater in the subject property ranges from approximately 196 feet on the eastern border, east of SR 136, to within a few feet of the surface along the southwestern study area border. The depth to groundwater in the dust control areas is estimated range from less than 70 feet to less than 10 feet. There are no surface water bodies within the subject property.

Regional confined artesian aquifers are present under the lake bed and display an overall upward movement of water. This discharge gradient is driven by the high evaporation demands of the system. Additionally, groundwater from the surrounding alluvial fans recharges the system and supplies many of the springs and seeps near the historic shoreline.³⁹

6.5 HISTORIC SEISMICITY

The subject property is located within a seismically active region (Figure 6.5-1, *Geologic Faults*). Potential hazards that can result from seismic activities include surface rupture, ground shaking, liquefaction, and landslides. According to surveys of the region, numerous faults cut across near-surface and surface material and are considered active or potentially active. Of the four national earthquake zones, ranging from 1 to 4 with 4 posing the largest danger, the Owens Valley is classified as a Seismic Zone 4.⁴⁰

Five major fault zones occur in the Owens Lake area, trending roughly north-south to northeast-southwest. The Sierra Nevada Frontal Fault System, the westernmost fault zone, exists along the east side of the Sierra Nevada Mountains and includes the Keough, Birch Creek, Shepard creek, Whitney Portal, Olancho, and Haiwee Sections.⁴¹ This fault zone is not continuous along the entire length of the Sierra front, but is a complex system of faults and down-dropped blocks.

The second fault zone is the Owens Valley Fault Zone, in the middle of the Owens Valley north of the Alabama Hills, extending south along the west side of Owens Lake and terminating near the town of Olancho.⁴² The Owens River Fault is a strike-slip fault zone that extends south-southwest from the Owens River delta through the center of Owens Lake bed.⁴³

The eastern side of Owens Valley is bounded by the White Mountain and Inyo Mountain Fault Zones along the western margin of the White and Inyo Mountains.⁴⁴ Both the Sierra Nevada and Owens Valley Fault Zones are capable of generating earthquakes with a magnitude of 8.0 or greater, which would impact the subject property. Historic earthquakes in this region include the 1872 Owens Valley earthquake, with a magnitude of 7.2, and the earthquake swarms of May, 1980, which resulted in four magnitude 6.0 earthquakes in quick succession.^{45,46}

³⁹ Inyo County Planning Committee. December 2011. *Draft Owens Lake Master Plan*. Review Draft. Independence, CA.

⁴⁰ California Seismic Safety Commission. 2005. *Homeowner's Guide to Earthquake Safety*. Sacramento, CA. Available at: http://www.seismic.ca.gov/pub/CSSC_2005-01_HOG.pdf

⁴¹ Slemmons, D.B., Vittori, E., Jayko, A.S., Carver, G.A., Bacon, S.N. 2008. *Quaternary Fault and Lineament Map of Owens Valley, Inyo County, Eastern California*. Geological Society of America. Boulder, Colorado.

⁴² Slemmons, D.B., Vittori, E., Jayko, A.S., Carver, G.A., Bacon, S.N. 2008. *Quaternary Fault and Lineament Map of Owens Valley, Inyo County, Eastern California*. Geological Society of America. Boulder, Colorado.

⁴³ Johnson et al. June, 1999. *Characterization of the Owens Lake Basin Hydrology System Inyo County, California*. Prepared for: Great Basin Unified Air Pollution Control District. Bishop, CA. Available at: <ftp://gbuapcd.org/HydroReports/Hydrology%20Summary%20Report.pdf>

⁴⁴ Slemmons, D.B., Vittori, E., Jayko, A.S., Carver, G.A., Bacon, S.N. 2008. *Quaternary Fault and Lineament Map of Owens Valley, Inyo County, Eastern California*. Geological Society of America. Boulder, Colorado.

⁴⁵ Hill, D.P., Bailey, R.A., Sorey, M.L., Hendley, J.W., Stauffer, P.H. "Living With a Restless Caldera—Long Valley, California" U.S. *Geological Survey Fact Sheet 108-96*. Revised May 2000. Available at: <http://pubs.usgs.gov/fs/fs108-96/>

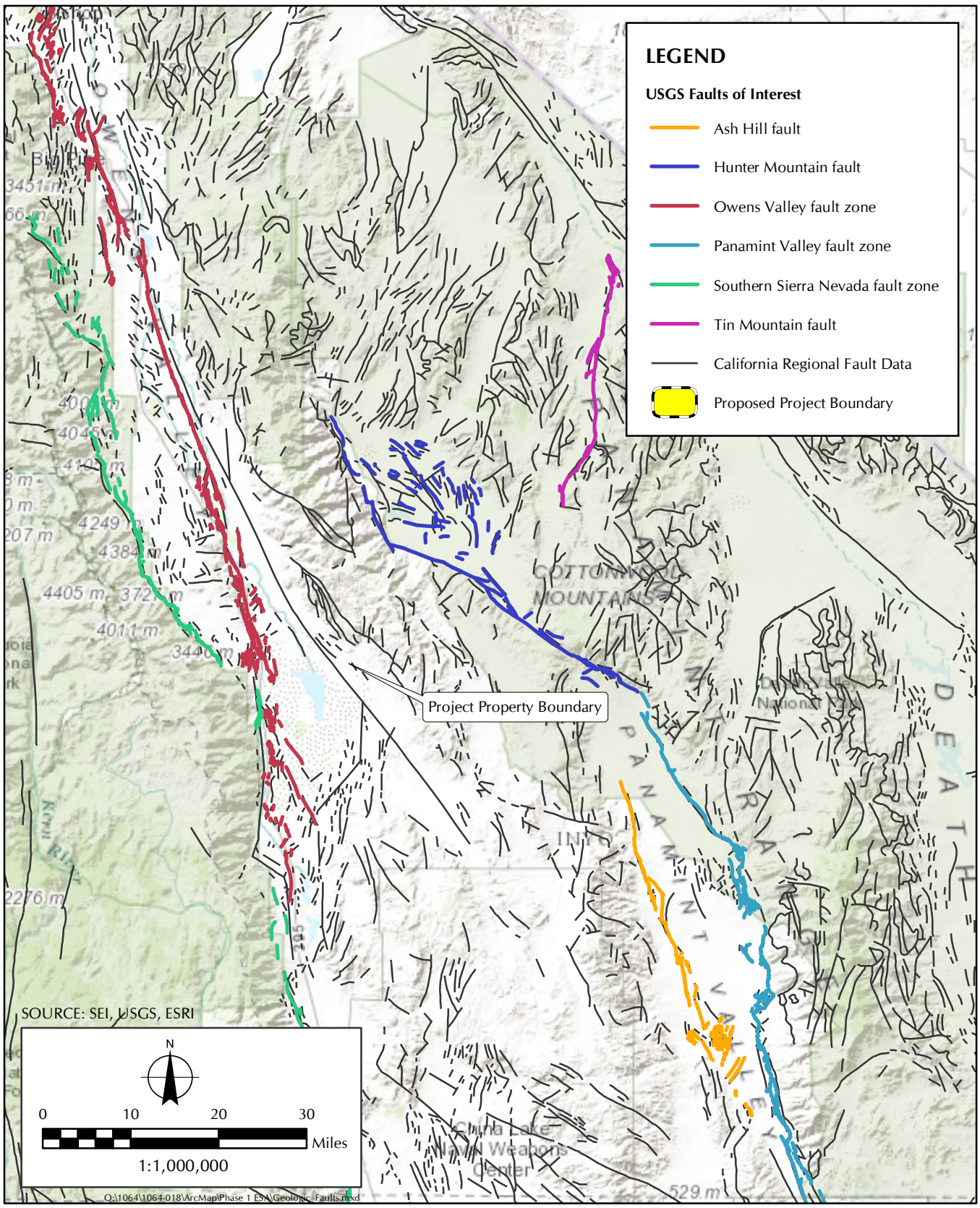


FIGURE 6.5-1
Geologic Faults

Although there are three APEZs designated within 5 miles of the subject property, there are no APEZ faults mapped within the proposed project / proposed action study area.^{47,48,49} Further, the subject property is not delineated by the CGS under the Seismic Hazards Zonation Program (SHZP). This program assesses the effects of strong ground shaking, liquefaction, landslides, or other ground failure to provide a statewide program to assist cities and counties in fulfilling their responsibilities for protecting the public health and safety from the effects of strong seismic shaking and related ground failure.

⁴⁶ California Seismic Safety Commission. 2005. *Homeowner's Guide to Earthquake Safety*. Sacramento, CA. Available at: http://www.seismic.ca.gov/pub/CSSC_2005-01_HOG.pdf

⁴⁷ State of California Special Studies Map. 1 January 1990. *Bartlett Quadrangle*. Revised Official Map. Sacramento, CA.

⁴⁸ State of California Special Studies Map. 1 January 1990. *Lone Pine Quadrangle*. Revised Official Map. Sacramento, CA.

⁴⁹ State of California Special Studies Map. 1 January 1990. *Olancho Quadrangle*. Revised Official Map. Sacramento, CA.

SECTION 7.0

GOVERNMENT RECORDS REVIEW

7.1 FEDERAL, STATE, LOCAL, AND TRIBAL ENVIRONMENTAL REGULATORY DATABASES

The review of available federal, state, local, and tribal environmental regulatory databases indicated that the subject property is not identified on any environmental regulatory database (Appendix E, *Environmental Regulatory Databases*).¹

However, according to the Solid Waste Facilities/Landfill Sites records (which typically contain an inventory of solid waste disposal facilities or landfills in a particular state), the Keeler Transfer Station is located approximately 150 feet southeast and downgradient of the subject property. The data comes from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database. This facility serves as a collection point for nonhazardous municipal solid waste. Due to this facility's downgradient location and the fact that only nonhazardous municipal wastes is collected for eventual offsite disposal in a solid waste landfill, no impacts to the subject property are likely.

The review of the 28 "Orphan Sites" included in Appendix F indicated that there are no hazardous substances of hazardous waste sites that exist within a 1-mile radius of the subject property.

7.2 REGULATORY AGENCY RECORDS REVIEW

The District has initiated coordination with the KCSD regarding the history of the KCSD well and the potential use of the KCSD well in 2014. The District also attended a meeting with the KCSD on February 15, 2014. Currently, coordination has been undertaken by the District with Caltrans and KCSD regarding access and use of the KCSD well.

¹ Environmental Data Resources, Inc. 11 July 2013. *DataMap Area Study*. Inquiry Number 3661888.1s. Contact: 440 Wheelers Farms Road, Milford, CT 06461.

SECTION 8.0

FINDINGS AND CONCLUSIONS

8.1 FINDINGS

A portion of the former Keeler Landfill, which was in operation from the 1940s to 1987, is located on the southern end of the subject property. However, this landfill was used to dispose non-hazardous municipal wastes. Historically, most of the waste received at the former landfill was burned. The former landfill has a small volume municipal waste transfer station in operation. The waste is collected in bins and disposed off-site at the Lone Pine Landfill. The facility receives less than one ton per day of waste.

The KCSD groundwater well, which serves the community of Keeler, was observed approximately one-quarter mile east of the subject property on the east side of SR 136, approximately one-half mile northeast of the city of Keeler. According to the KCSD website, the KCSD was formed in 1980 and serves 58 customers. The well was installed in 1984. No visual or olfactory indications of the leakage or spillage of chlorine stored at the well site were observed at this location.

No indications of the subject property or adjacent properties being exposed to hazardous materials or hazardous wastes were observed during the site inspection. Based on the (1) the site inspection; (2) the review of historical information dating back to 1913; and (3) the review of federal, state, local and tribal environmental regulatory databases, no indications of the use, generation, storage, transport, or disposal of hazardous materials at the site or adjacent properties were identified.

8.2 CONCLUSIONS

This Phase I ESA has been conducted in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.

Other than the former non-hazardous municipal waste landfill, this assessment has revealed no evidence of RECs in connection with the subject property. No further action is recommended at this time.

SECTION 9.0 REFERENCES

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<http://www.co.kern.ca.us/planning/pdfs/KCZOMar09.pdf>

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Kern County. 6 December 2011. *Catalina Renewable Energy Project Environmental Impact Report, Appendix K, Water Supply Assessment, Proposed Catalina Renewable Energy Project, Kern County, California*. Prepared by: County of Kern Planning and Community Development Department, Bakersfield, CA, with technical assistance by Kleinfelder West, Inc. Fresno, CA.

Letter from James G. Yannotta, Manager of Aqueduct, Department of Water and Power of the City of Los Angeles to André A. Anderson, Senior Environmental Compliance Specialist, Sapphos Environmental, Inc. Dated 26 September 2013.

Minshew Engineering. March 2004. Final Closure and Post-closure Maintenance Plan, Keeler Landfill, Inyo County, California.

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U.S. Geological Survey. Photo Inspected 1995. 7.5-Minute Series, Tylerhorse Canyon, California, Topographic Quadrangle. Scale 1:24,000. Reston, VA.

U.S. Geological Survey. Photo Inspected 1995. 7.5-Minute Series, Fairmont Butte, California, Topographic Quadrangle. Scale 1:24,000. Reston, VA.

SECTION 10.0
REPORT AUTHORSHIP

This Phase I Environmental Site Assessment report was prepared by:

Mr. André A. Anderson, REPA, CEC, CES
Senior Environmental Compliance Specialist
Sapphos Environmental, Inc.
430 North Halstead Street
Pasadena, California 91107

This report was reviewed by:

Ms. Marie Campbell, President
Manager of Environmental Compliance
Sapphos Environmental, Inc.
430 North Halstead Street
Pasadena, California 91107

We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professionals as defined in §312.10 of 40 CFR Part 312 and we have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Mr. André A. Anderson, REPA, CEC, CES
Senior Environmental Compliance Specialist

APPENDIX A
SITE PHOTOGRAPHS



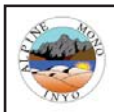
PHOTO 1

Location 1. Subject property looking north



PHOTO 2

Location 1. Subject property looking east



APPENDIX A
Site Photographs



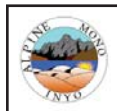
PHOTO 3

Location 1. Subject property looking south



PHOTO 4

Location 1. Subject property looking west



APPENDIX A
Site Photographs



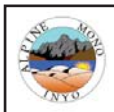
PHOTO 5

Location 2. Subject property looking north



PHOTO 6

Location 2. Subject property looking east along access road from State Route 136



APPENDIX A
Site Photographs



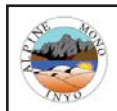
PHOTO 7

Location 2. Subject property looking south



PHOTO 8

Location 2. Subject property looking west



APPENDIX A
Site Photographs



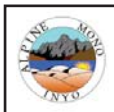
PHOTO 9

Location 3. Subject property looking north



PHOTO 10

Location 3. Subject property looking east



APPENDIX A
Site Photographs



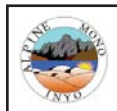
PHOTO 11

Location 3. Subject property looking south



PHOTO 12

Location 3. Subject property looking west



APPENDIX A
Site Photographs



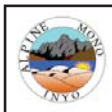
PHOTO 13

Location 4. Subject property looking north



PHOTO 14

Location 4. Subject property looking east



APPENDIX A
Site Photographs



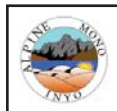
PHOTO 15

Location 4. Subject property looking south



PHOTO 16

Location 4. Subject property looking west



APPENDIX A
Site Photographs



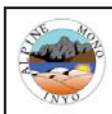
PHOTO 17

Location 5. Subject property looking north



PHOTO 18

Location 5. Subject property looking east



APPENDIX A
Site Photographs



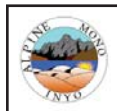
PHOTO 19

Location 5. Subject property looking south



PHOTO 20

Location 5. Subject property looking west



APPENDIX A
Site Photographs



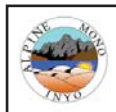
PHOTO 21

Location 6. Subject property looking north



PHOTO 22

Location 6. Subject property looking east



APPENDIX A
Site Photographs



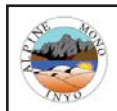
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Location 6. Subject property looking south



PHOTO 24

Location 6. Subject property looking west



APPENDIX A
Site Photographs



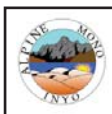
PHOTO 25

Location 7. Subject property looking east



PHOTO 26

Location 7. Subject property looking north



APPENDIX A
Site Photographs



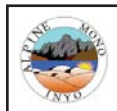
PHOTO 27

Location 7. Subject property looking south toward community of Keeler



PHOTO 28

Location 7. Subject property looking west



APPENDIX A
Site Photographs



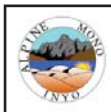
PHOTO 29

Location 8. Sign at entrance to Inyo County Waste Management Keeler Transfer Station



PHOTO 30

Location 8. Inyo County Waste Management Keeler Transfer Station



APPENDIX A
Site Photographs



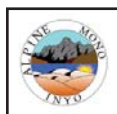
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Location 9. Subject property looking north



PHOTO 32

Location 10. Subject property looking north



APPENDIX A
Site Photographs



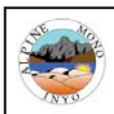
PHOTO 33

Location 10. Subject property looking east



PHOTO 34

Location 10. Subject property looking south



APPENDIX A
Site Photographs



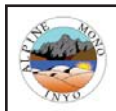
PHOTO 35

Location 10. Subject property looking west



PHOTO 36

Location 11. Subject property looking north



APPENDIX A
Site Photographs



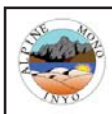
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Location 11. Subject property looking east



PHOTO 38

Location 11. Looking south



APPENDIX A
Site Photographs



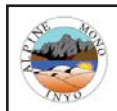
PHOTO 39

Location 11. Subject property looking west



PHOTO 40

Location 12. Subject property looking north



APPENDIX A
Site Photographs



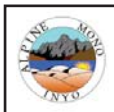
PHOTO 41

Location 12. Subject property looking east.



PHOTO 42

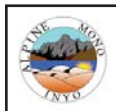
Location 12. Looking south



APPENDIX A
Site Photographs



PHOTO 43
Location 12. Subject property looking west



APPENDIX B
HISTORICAL TOPOGRAPHIC MAPS



Keeler Dunes Dust Control Project

Keeler Dunes Dust Control Project

Keeler, CA 93545

Inquiry Number: 3661888.2

July 25, 2013

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

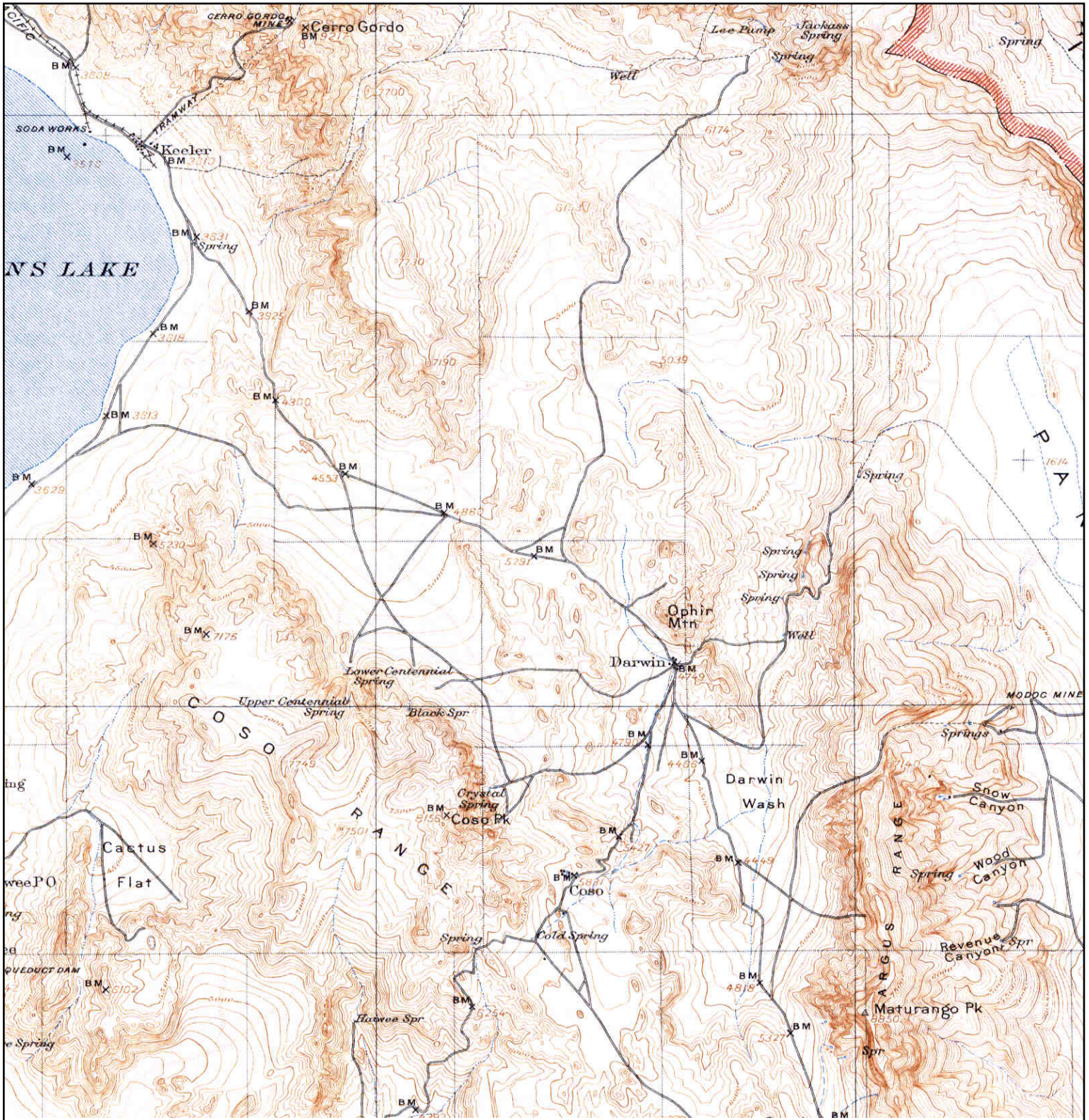
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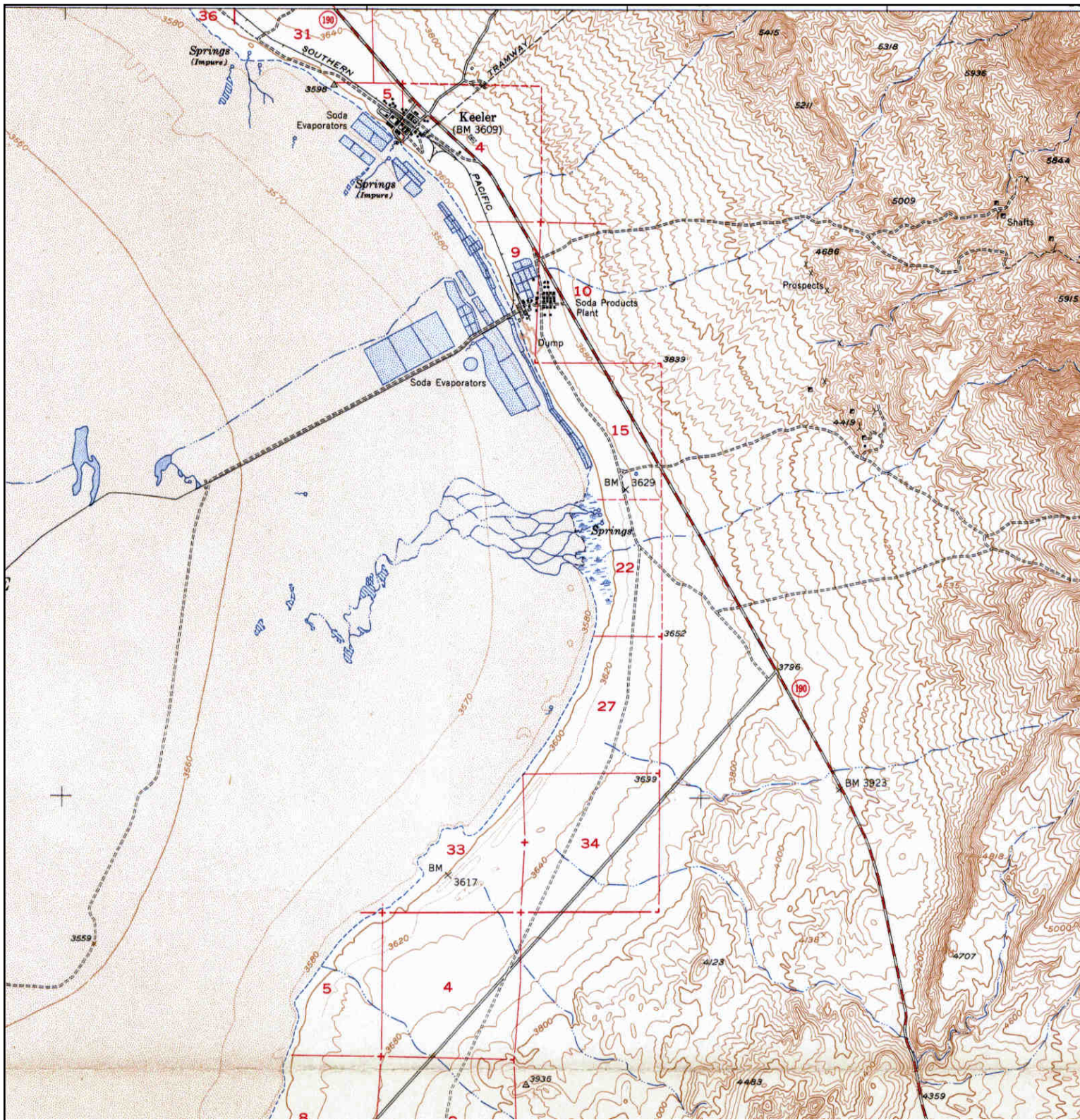
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Historical Topographic Map



	TARGET QUAD	SITE NAME: Keeler Dunes Dust Control Project	CLIENT: Sapphos Environmental, Inc.
	NAME: BALLARAT	ADDRESS: Keeler Dunes Dust Control Project	CONTACT: Andre Anderson
	MAP YEAR: 1913		INQUIRY#: 3661888.2
	SERIES: 60	Keeler, CA 93545	RESEARCH DATE: 07/25/2013
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Historical Topographic Map



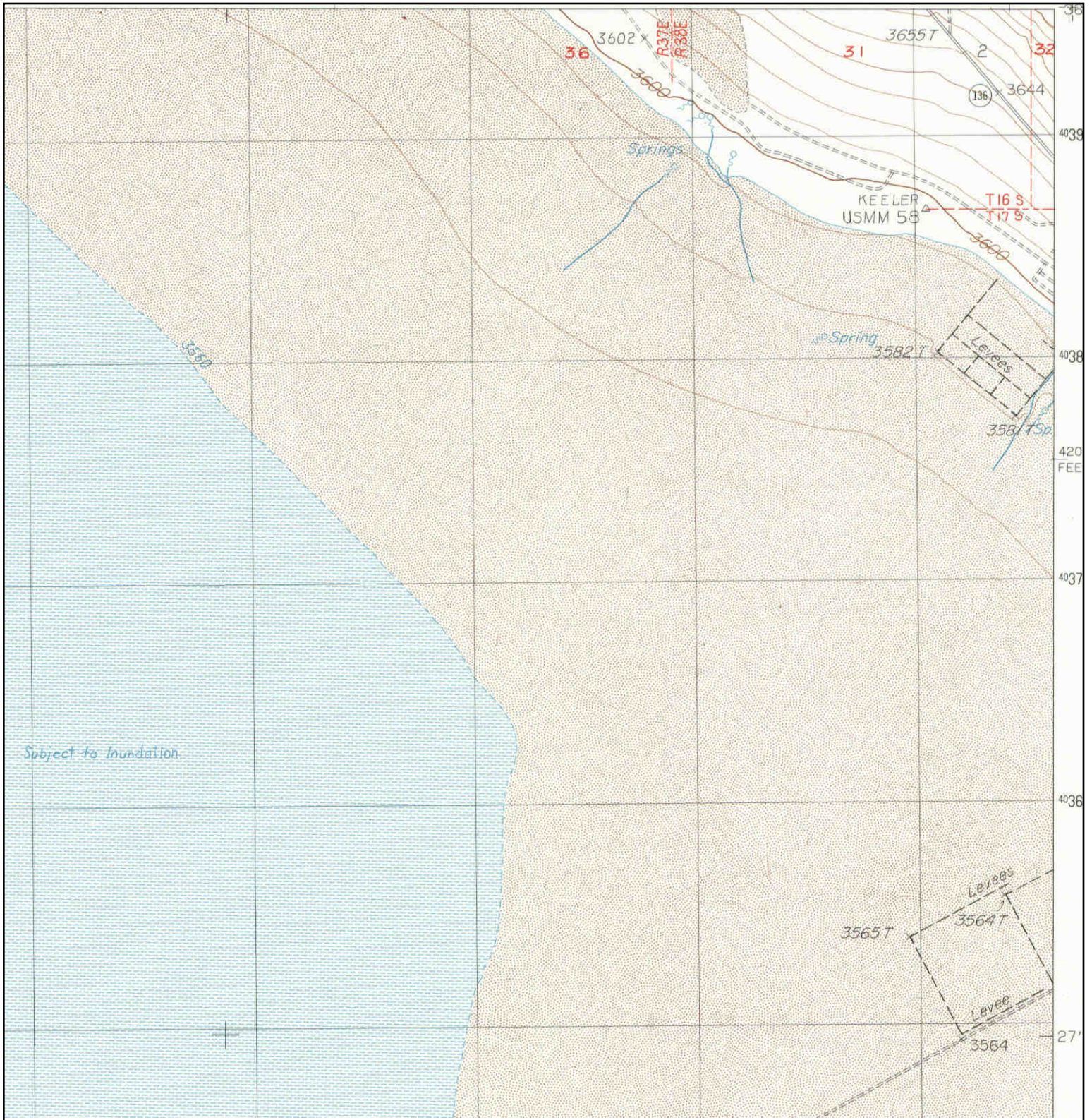
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	SERIES: 15 SCALE: 1:62500	LAT/LONG: 36.507 / -117.8933 Keeler, CA 93545	


Historical Topographic Map



	TARGET QUAD	SITE NAME: Keeler Dunes Dust Control Project	CLIENT: Sapphos Environmental, Inc.	
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	SCALE: 1:62500			

Historical Topographic Map



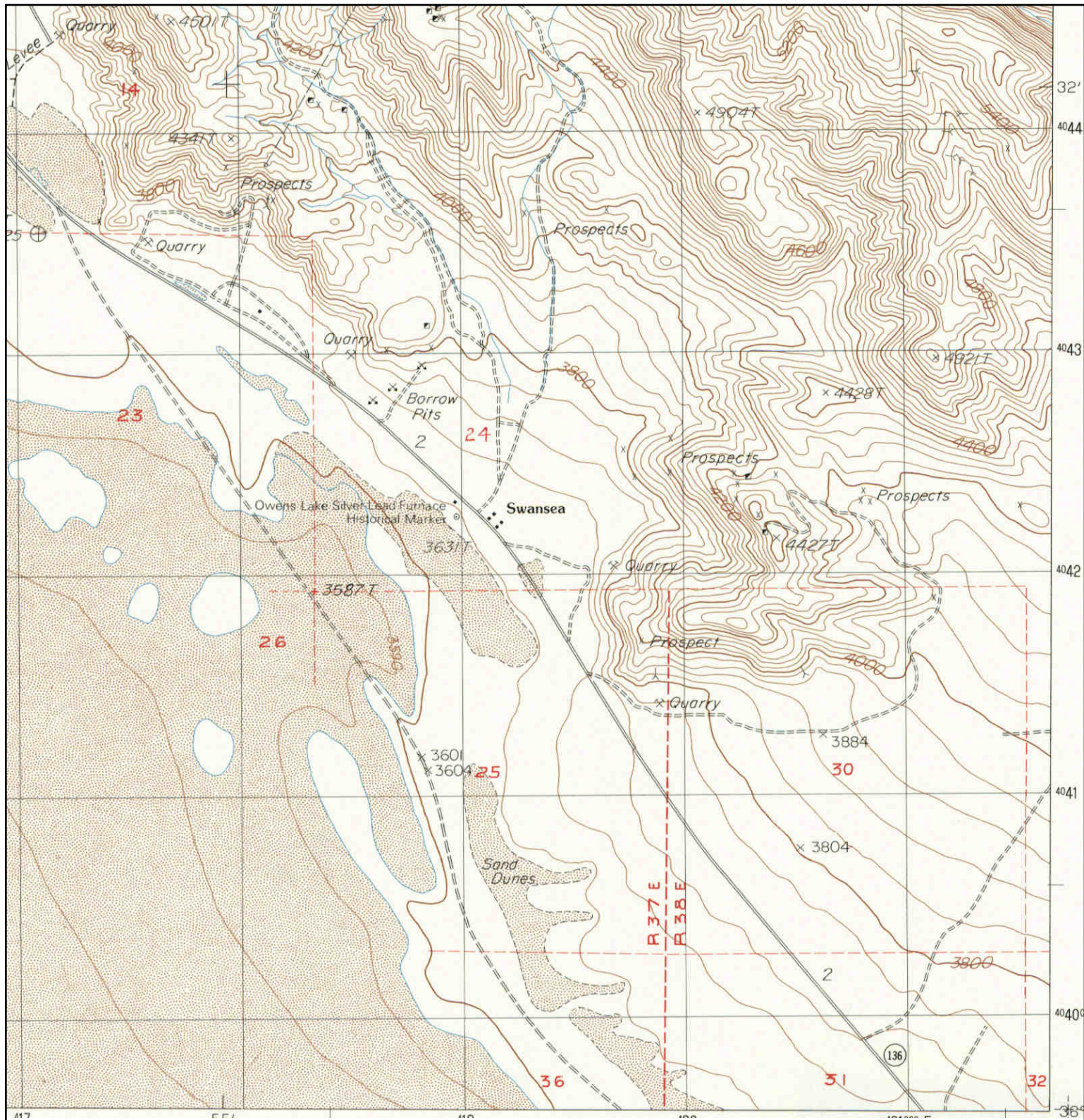
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Historical Topographic Map



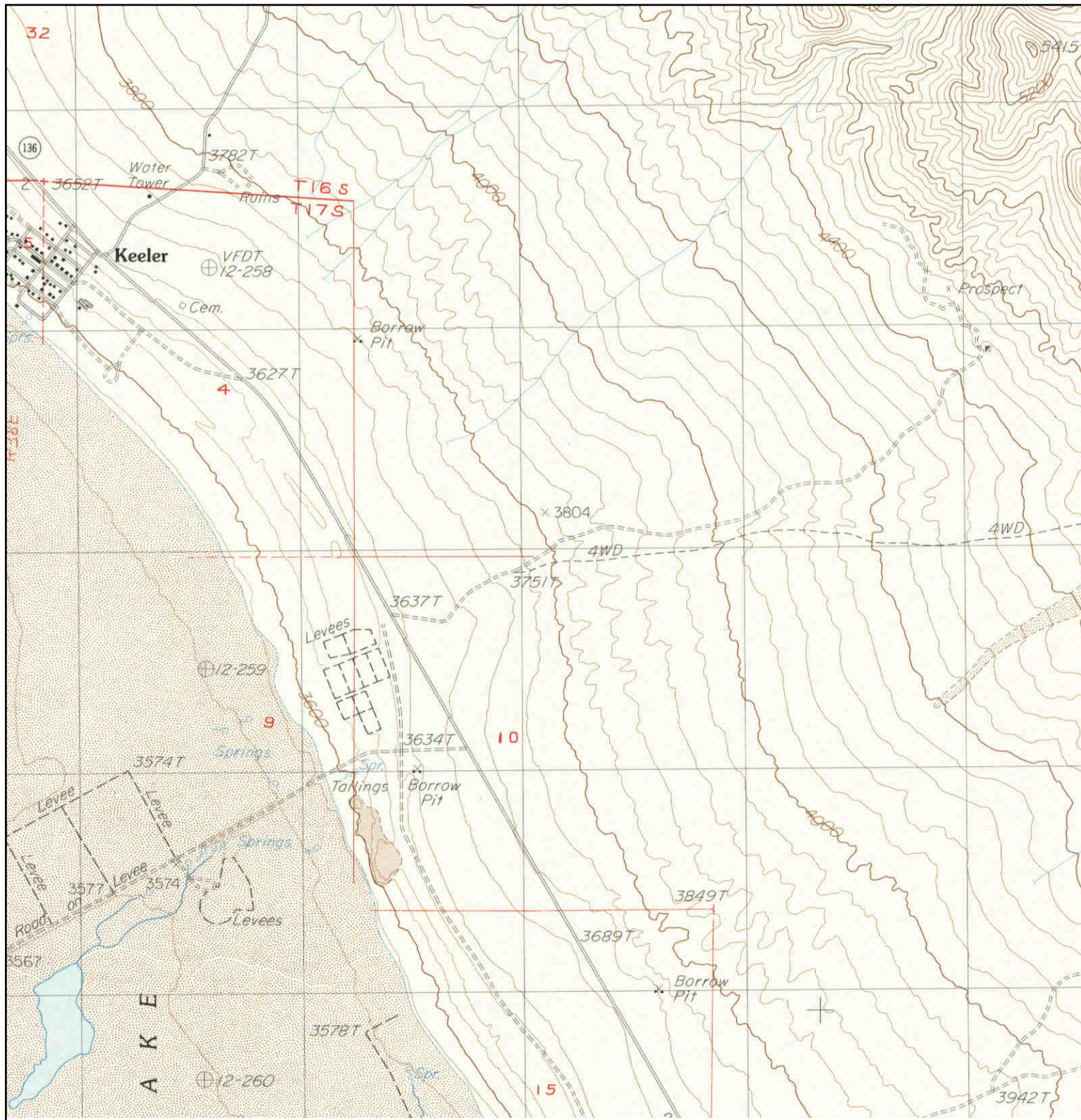
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	NAME: DOLOMITE	ADDRESS: Keeler Dunes Dust Control Project	CONTACT: Andre Anderson
	MAP YEAR: 1987		INQUIRY#: 3661888.2
	SERIES: 7.5	Keeler, CA 93545	RESEARCH DATE: 07/25/2013
	SCALE: 1:24000	LAT/LONG: 36.507 / -117.8933	

Historical Topographic Map



	TARGET QUAD NAME: DOLOMITE MAP YEAR: 1987	SITE NAME: Keeler Dunes Dust Control Project ADDRESS: Keeler Dunes Dust Control Project	CLIENT: Sapphos Environmental, Inc. CONTACT: Andre Anderson INQUIRY#: 3661888.2 RESEARCH DATE: 07/25/2013
	SERIES: 7.5 SCALE: 1:24000	Keeler, CA 93545 LAT/LONG: 36.507 / -117.8933	

Historical Topographic Map



	TARGET QUAD	SITE NAME: Keeler Dunes Dust Control Project	CLIENT: Sapphos Environmental, Inc.
	NAME: KEELER	ADDRESS: Keeler Dunes Dust Control Project	CONTACT: Andre Anderson
	MAP YEAR: 1987		INQUIRY#: 3661888.2
	SERIES: 7.5	Keeler, CA 93545	RESEARCH DATE: 07/25/2013
	SCALE: 1:24000	LAT/LONG: 36.507 / -117.8933	

APPENDIX C
HISTORICAL AERIAL PHOTOGRAPHS



Keeler Dunes Dust Control Project

Keeler Dunes Dust Control Project

Lone Pine, CA 93545

Inquiry Number: 3667562.1

July 20, 2013

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography July 20, 2013

Target Property:

Keeler Dunes Dust Control Project

Lone Pine, CA 93545

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1947	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1947	USGS
1947	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1947	USGS
1964	Aerial Photograph. Scale: 1"=800'	Flight Year: 1964	Fairchild
1964	Aerial Photograph. Scale: 1"=800'	Flight Year: 1964	Fairchild
1982	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1982	USGS
1982	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1982	USGS
1994,1993	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1994,1993	EDR
1994	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1994	USGS
1994	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1994	USGS
1998	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1998	USGS
1998	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR

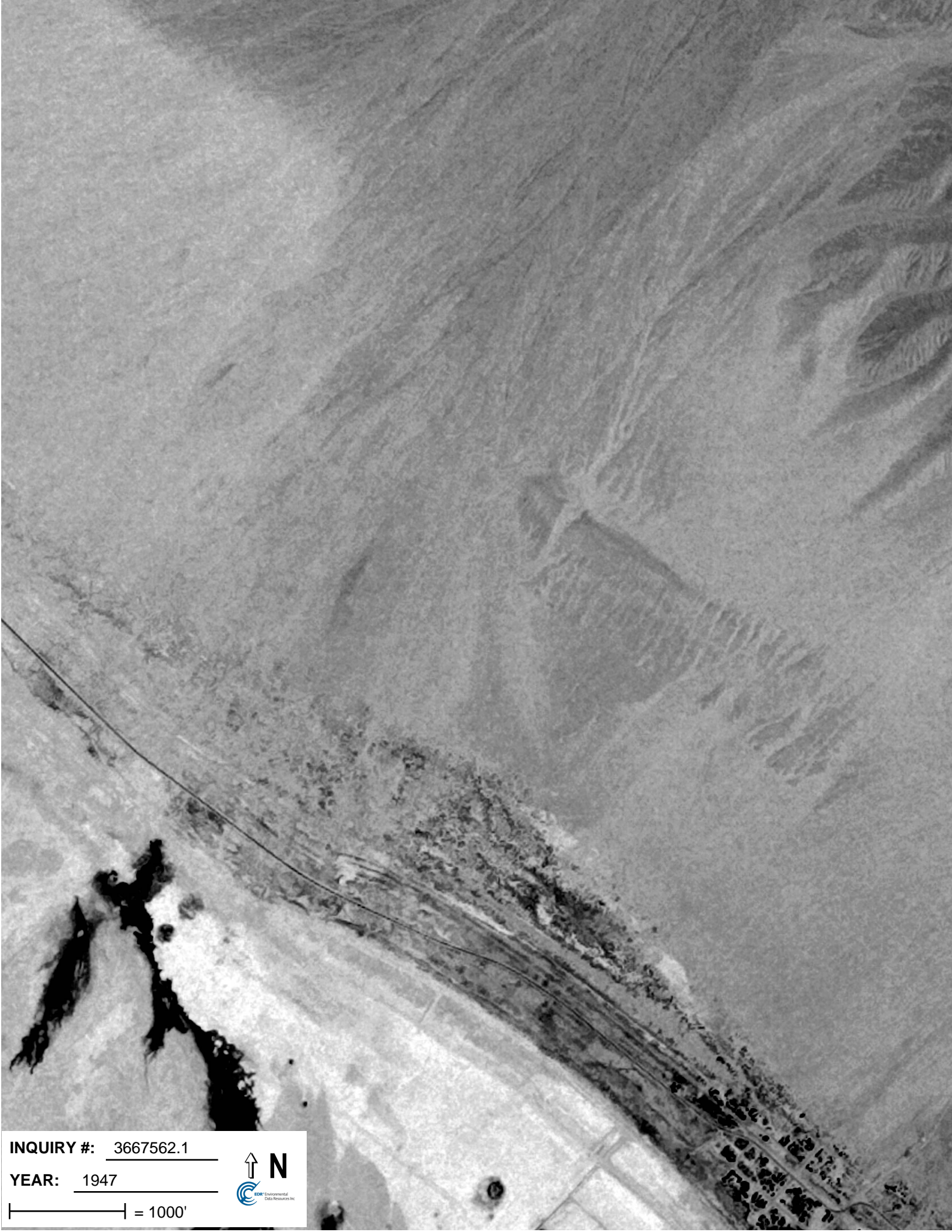


INQUIRY #: 3667562.1

YEAR: 1947

| = 1000'





INQUIRY #: 3667562.1

YEAR: 1947

| = 1000'



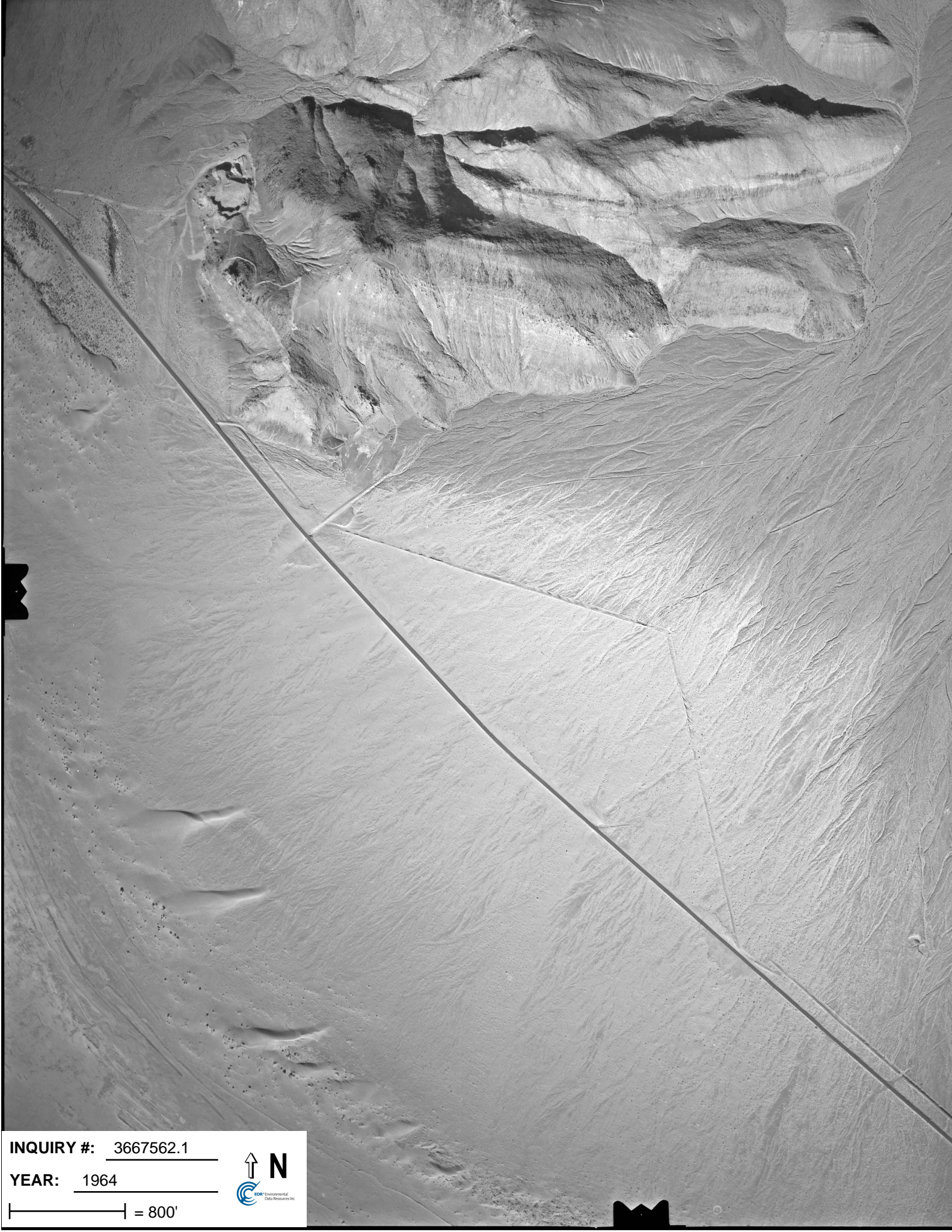


INQUIRY #: 3667562.1

YEAR: 1964

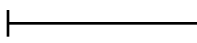
| = 800'





INQUIRY #: 3667562.1

YEAR: 1964

 = 800'



 Environmental Data Resources Inc.

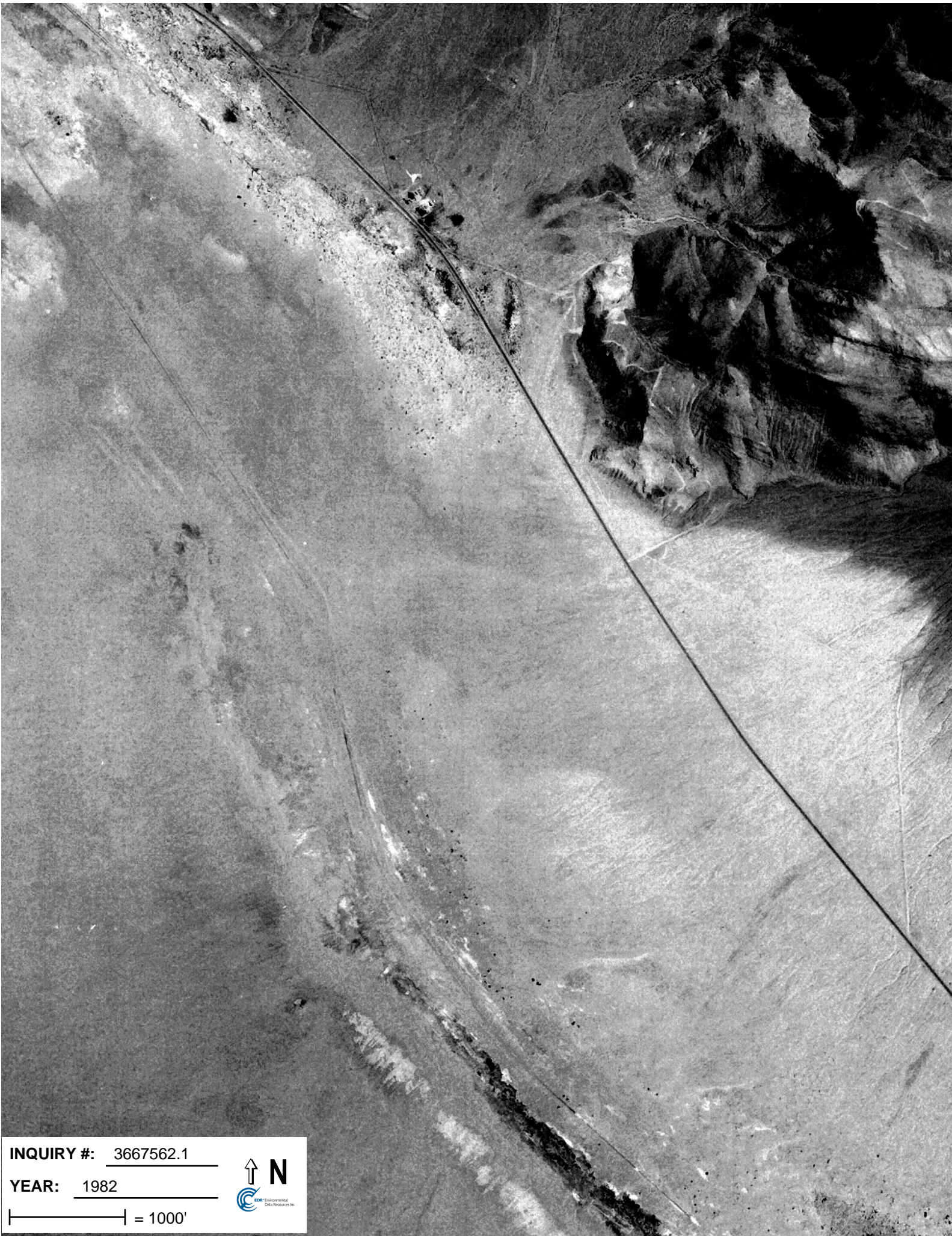


INQUIRY #: 3667562.1

YEAR: 1982

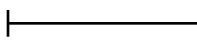
| = 1000'





INQUIRY #: 3667562.1

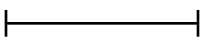
YEAR: 1982

 = 1000'



INQUIRY #: 3667562.1

YEAR: 1994, 1993 (DOQQ)

 = 500'



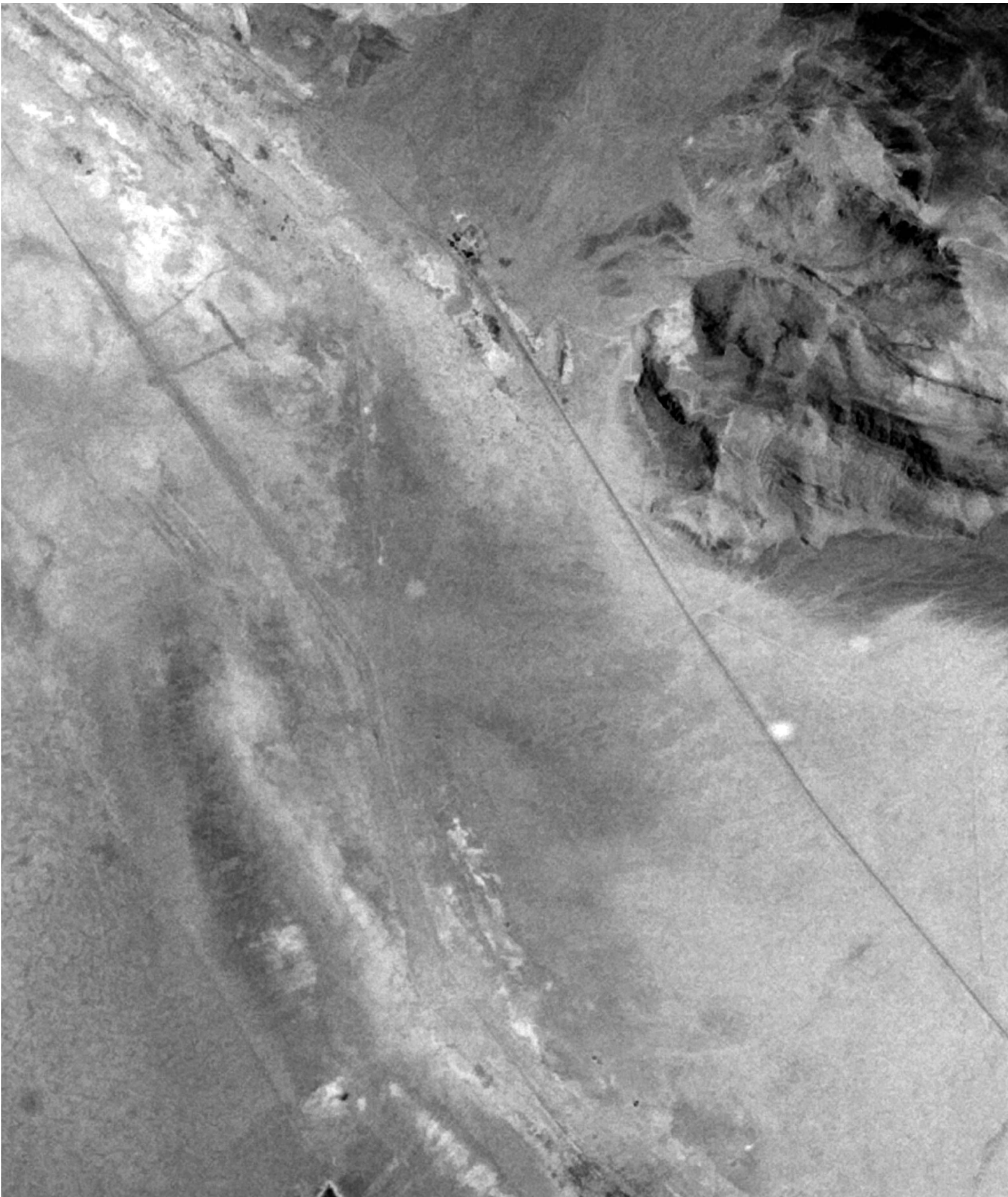


INQUIRY #: 3667562.1

YEAR: 1994

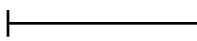
| = 1000'





INQUIRY #: 3667562.1

YEAR: 1994

 = 1000'



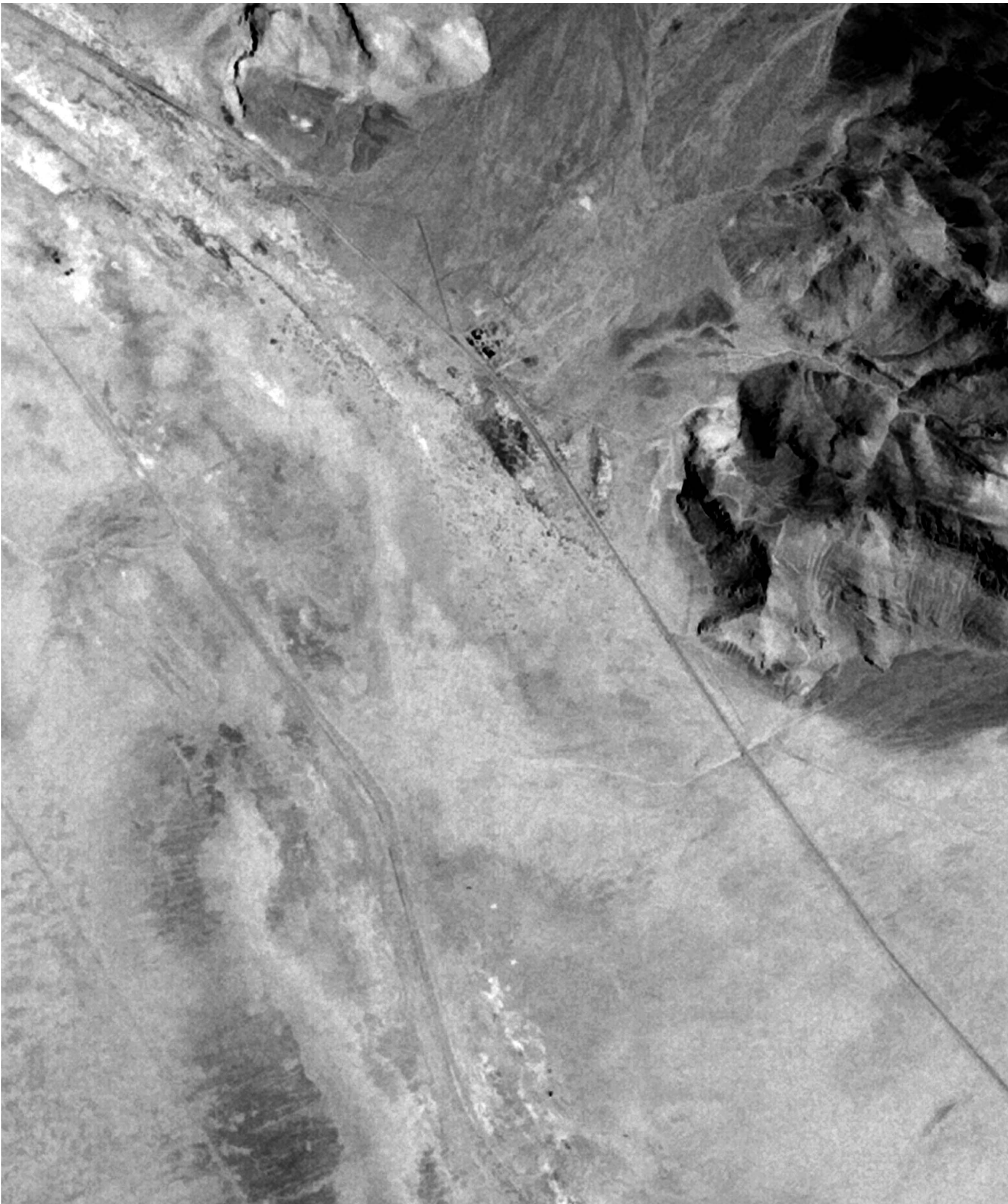


INQUIRY #: 3667562.1

YEAR: 1998

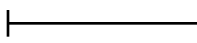
| = 1000'





INQUIRY #: 3667562.1

YEAR: 1998

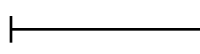
 = 1000'





INQUIRY #: 3667562.1

YEAR: 2005

 = 500'



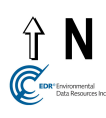
 Environmental Data Resources Inc.



INQUIRY #: 3667562.1

YEAR: 2009

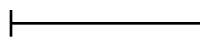
| = 500'





INQUIRY #: 3667562.1

YEAR: 2010

 = 500'

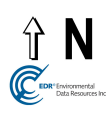




INQUIRY #: 3667562.1

YEAR: 2012

| = 500'



APPENDIX D
SANBORN MAP REPORT



Keeler Dunes Dust Control Project

Keeler Dunes Dust Control Project

Keeler, CA 93545

Inquiry Number: 3661888.3

July 10, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/10/13

Site Name:

Keeler Dunes Dust Control
Keeler Dunes Dust Control
Keeler, CA 93545

Client Name:

Sapphos Environmental, Inc.
430 North Halstead Street
Pasadena, CA 91107



EDR Inquiry # 3661888.3

Contact: Andre Anderson

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Sapphos Environmental, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Keeler Dunes Dust Control Project
Address: Keeler Dunes Dust Control Project
City, State, Zip: Keeler, CA 93545
Cross Street:
P.O. # NA
Project: NA
Certification # CACE-49EA-93F8



Sanborn® Library search results
Certification # CACE-49EA-93F8

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX E
ENVIRONMENTAL REGULATORY DATABASES

Keeler Dunes Dust Control Project
Keeler, CA 93545

Inquiry Number: 3661888.1s
July 11, 2013

EDR DataMap™ Area Study

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EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

KEELER, CA 93545
KEELER, CA 93545

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
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
LIENS 2	CERCLA Lien Information
CORRACTS	Corrective Action Report
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
RCRA NonGen / NLR	RCRA - Non Generators
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense 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
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems

EXECUTIVE SUMMARY

ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
PRP.....	Potentially Responsible Parties
2020 COR ACTION.....	2020 Corrective Action Program List
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
LEAD SMELTERS.....	Lead Smelter Sites
FEDERAL FACILITY.....	Federal Facility Site Information listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
FEMA UST.....	Underground Storage Tank Listing
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
US HIST CDL.....	National Clandestine Laboratory Register
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH DOE.....	Steam-Electric Plant Operation Data

STATE AND LOCAL RECORDS

HIST Cal-Sites.....	Historical Calsites Database
CA BOND EXP. PLAN.....	Bond Expenditure Plan
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
WMUDS/SWAT.....	Waste Management Unit Database
WDS.....	Waste Discharge System
NPDES.....	NPDES Permits Listing
UIC.....	UIC Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE.....	Hazardous Waste & Substance Site List
SWRCY.....	Recycler Database
LUST.....	Geotracker's Leaking Underground Fuel Tank Report
CA FID UST.....	Facility Inventory Database
SLIC.....	Statewide SLIC Cases
UST.....	Active UST Facilities
HIST UST.....	Hazardous Substance Storage Container Database
LIENS.....	Environmental Liens Listing
CUPA Listings.....	CUPA Resources List
SWEEPS UST.....	SWEEPS UST Listing
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
AST.....	Aboveground Petroleum Storage Tank Facilities
MCS.....	Military Cleanup Sites Listing
Notify 65.....	Proposition 65 Records
DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
ENF.....	Enforcement Action Listing
CDL.....	Clandestine Drug Labs
RESPONSE.....	State Response Sites
HAZNET.....	Facility and Manifest Data

EXECUTIVE SUMMARY

EMI.....	Emissions Inventory Data
ENVIROSTOR.....	EnviroStor Database
HAULERS.....	Registered Waste Tire Haulers Listing
HWP.....	EnviroStor Permitted Facilities Listing
MWMP.....	Medical Waste Management Program Listing
PROC.....	Certified Processors Database
HWT.....	Registered Hazardous Waste Transporter Database

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat.....	EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STATE AND LOCAL RECORDS

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 05/20/2013 has revealed that there are 2 SWF/LF sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
KEELER DISPOSAL SITE	OLANCHA DUMP ROAD	1	4
KEELER TRANSFER STATION	END OF OLD STATE HWY 1	1	4

EXECUTIVE SUMMARY

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

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	0
CERC-NFRAP	0
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	0
RCRA-SQG	0
RCRA-CESQG	0
RCRA NonGen / NLR	0
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	0
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
DEBRIS REGION 9	0
ODI	0
US MINES	0
TRIS	0
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	0
RAATS	0
RMP	0
PRP	0
2020 COR ACTION	0
US AIRS	0
LEAD SMELTERS	0
FEDERAL FACILITY	0
COAL ASH EPA	0
FEMA UST	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
SCRD DRYCLEANERS	0
EPA WATCH LIST	0
US FIN ASSUR	0
US HIST CDL	0
PCB TRANSFORMER	0
COAL ASH DOE	0

STATE AND LOCAL RECORDS

HIST Cal-Sites	0
CA BOND EXP. PLAN	0
SCH	0
Toxic Pits	0
SWF/LF	2
WMUDS/SWAT	0
WDS	0
NPDES	0
UIC	0
Cortese	0
HIST CORTESE	0
SWRCY	0
LUST	0
CA FID UST	0
SLIC	0
UST	0
HIST UST	0
LIENS	0
CUPA Listings	0
SWEEPS UST	0
CHMIRS	0
LDS	0
AST	0
MCS	0
Notify 65	0
DEED	0
VCP	0
DRYCLEANERS	0
WIP	0
ENF	0
CDL	0
RESPONSE	0
HAZNET	0
EMI	0
ENVIROSTOR	0
HAULERS	0
HWP	0
MWMP	0
PROC	0
HWT	0

TRIBAL RECORDS

INDIAN RESERV	0
---------------	---

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0
<u>EDR PROPRIETARY RECORDS</u>	
EDR MGP	0
EDR US Hist Auto Stat	0
EDR US Hist Cleaners	0

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**1 KEELER DISPOSAL SITE
 OLANCHA DUMP ROAD
 KEELER, CA**

**SWF/LF S106079109
 N/A**

SWF/LF (SWIS):
 Region: STATE
 Facility ID: 14-AA-0002
 Lat/Long: 36.4934000 / -117.88403
 Owner Name: City Of Los Angeles Dept Water & Power
 Owner Telephone: 7608721104
 Owner Address: Not reported
 Owner Address2: 300 Mandich Street
 Owner City,St,Zip: Bishop, CA 93514-3449
 Operational Status: Closed
 Operator: County of Inyo Integrated Waste Mgt.
 Operator Phone: 7608735577
 Operator Address: Not reported
 Operator Address2: 785 N. Main Street, Suite J
 Operator City,St,Zip: Bishop, CA 93514
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 20
 Activity: Solid Waste Disposal Site
 Regulation Status: Permitted
 Landuse Name: Not reported
 GIS Source: GPS
 Category: Disposal
 Unit Number: 01
 Inspection Frequency: None
 Accepted Waste: Ash,Metals,Mixed municipal
 Closure Date: 12/01/1987
 Closure Type: Estimated
 Disposal Acreage: 20
 SWIS Num: 14-AA-0002
 Waste Discharge Requirement Num: II
 Program Type: Not reported
 Permitted Throughput with Units: 7
 Actual Throughput with Units: Cu Yards/day
 Permitted Capacity with Units: Not reported
 Remaining Capacity: Not reported
 Remaining Capacity with Units: Not reported

**1 KEELER TRANSFER STATION
 END OF OLD STATE HWY 1 MI WEST OF KEELER
 KEELER, CA**

**SWF/LF S102360300
 N/A**

SWF/LF (SWIS):
 Region: STATE
 Facility ID: 14-AA-0026
 Lat/Long: 36.4934900 / -117.88321
 Owner Name: City Of Los Angeles Dept Water & Power
 Owner Telephone: 7608721104
 Owner Address: Not reported
 Owner Address2: 300 Mandich Street
 Owner City,St,Zip: Bishop, CA 93514-3449
 Operational Status: Active
 Operator: County of Inyo Integrated Waste Mgt.
 Operator Phone: 7608735577
 Operator Address: Not reported
 Operator Address2: 785 N. Main Street, Suite J

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

KEELER TRANSFER STATION (Continued)

S102360300

Operator City,St,Zip: Bishop, CA 93514
 Permit Date: 10/22/1996
 Permit Status: Notification
 Permitted Acreage: 1
 Activity: Limited Volume Transfer Operation
 Regulation Status: Notification
 Landuse Name: Open Space - Irrigated
 GIS Source: GPS
 Category: Transfer/Processing
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Mixed municipal
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: Not reported
 SWIS Num: 14-AA-0026
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 20
 Actual Throughput with Units: Cu Yards/day
 Permitted Capacity with Units: 20
 Remaining Capacity: Not reported
 Remaining Capacity with Units: Cubic Yards

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BISHOP	S105022772	MILL CREEK MINI MART	BOX 181 RTE 2	93526	HIST CORTESE
BISHOP	S104735549	MILL CREEK MINI MART	PO BOX 181 RTE 2	93526	LUST
INDEPENDENCE	S110654243	CALTRANS INDEPENDENCE YARD	HWY 395	93526	LUST
INDEPENDENCE	S103880569	CAMP MANZANAR	HWY 395	93526	LUST
INDEPENDENCE	S102432962	MANZANAR COUNTY YARD	HWY 395	93526	LUST
INDEPENDENCE	S110741332	MANAZAR	HWY 395	93526	CUPA Listings
INDEPENDENCE	S110654237	MANZANAR COUNTY YARD	HWY 395	93526	LUST
INDEPENDENCE	S102426195	CALTRANS INDEPENDENCE YARD	HWY 395	93526	LUST
INDEPENDENCE	S106927536	INYO COUNTY MANZANAR SHOP/INYO COUNTY RO/ DEPRTME	HWY 395 7 MI S/O IND	93526	SWEEPS UST
INDEPENDENCE	S106928330	L.A. DWP-FISH SPRINGS HATCHERY	HWY 395 S BIG PINE	93526	SWEEPS UST
INDEPENDENCE	U001586585	MANZANAR SHOP 1	HWY 39K 5 MI S/O INDEPENDENCE	93526	HIST UST
INDEPENDENCE	S102434051	MT WHITNEY FISH HATCHERY	STAR RTE 1	93526	HIST CORTESE, LUST
INDEPENDENCE	1011849893	FT INDEPENDENCE TRAVEL PLAZA	135 N USHY 395	93526	FINDS, INDIAN UST
INYO COUNTY	M300002918	STANDARD INDUS MNLS INC	LAWS MILL		US MINES
INYO COUNTY	M300006187	STANDARD INDUSTRIAL MINERALS INC	LAWS MILL		US MINES
INYO COUNTY	M300002747	STANDARD INDUSTRIAL MINERALS INC	LAWS MILL		US MINES
INYO COUNTY	M300006429	STANDARD INDUSTRIAL MINERALS INC	LAWS MILL		US MINES
KEELER	S101612509	OWENS LAKE LANDFILL	HWY 136		WMUDS/SWAT, LDS, ENF
KEELER	S105557941	LAKE OWENS DUST MITIGATION	SOUTHERN ZONES		WDS, ENF
KEELER	1010451739	LA DEPT OF WATER AND POWER KEELER YARD	111 SULFATE RD		FINDS
KEELER	1006838510	KEELER DISPOSAL SITE	1 MI W KEELER ON		FINDS
LONE PINE	S110654232	LONE PINE FIRE DEPT	HWY 395	93545	LUST
LONE PINE	S100356042	LONE PINE FIRE DEPT	HWY 395	93545	HIST CORTESE, LUST
LONE PINE	1014672369	PINE TREE SOLAR PROJECT	22500 JAWBONE CANYON RD	93545	FINDS
LONE PINE	S112186494	LONE PINE AIRPORT	1452 S MAIN STREET HWY	93545	LUST
LONE PINE	1003878506	OWENS LAKE	20 MI SE	93545	CERC-NFRAP
LONE PINE	1003878638	PPG INDUSTRIES BARTLETT PLT	W SHORELINE OF OWENS LAKE	93545	CERC-NFRAP
SHOSHONE	U001586590	SHOSHONE ROAD DEPT YARD	STATE HWY	93526	HIST UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

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

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/09/2013
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/25/2013	Telephone: 202-564-6023
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/12/2013	Source: EPA
Date Data Arrived at EDR: 02/21/2013	Telephone: 800-424-9346
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/07/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 59

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/20/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 03/13/2013	Telephone: 703-416-0223
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 06/11/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/29/2013
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: No Update Planned

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 04/18/2013	Telephone: 303-231-5959
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/04/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/29/2013
Number of Days to Update: 131	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 06/25/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/15/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2012	Source: EPA
Date Data Arrived at EDR: 01/16/2013	Telephone: 202-566-0500
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 04/19/2013
Number of Days to Update: 114	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/14/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/20/2013	Telephone: 301-415-7169
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/10/2013
Number of Days to Update: 112	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/09/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-343-9775
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 04/11/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/13/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/30/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Biennially

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/03/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/18/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/18/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/14/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 07/08/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/14/2013	Telephone: 703-603-8787
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/20/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/17/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 04/04/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 97

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/06/2013
Date Data Arrived at EDR: 05/07/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 49

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/20/2013	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/21/2013	Telephone: 916-341-6320
Date Made Active in Reports: 06/25/2013	Last EDR Contact: 05/21/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 03/05/2013	Source: Department of Conservation
Date Data Arrived at EDR: 03/19/2013	Telephone: 916-445-2408
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 06/21/2013
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/31/2012
	Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 05/10/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/26/2013
	Data Release Frequency: No Update Planned

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/28/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/20/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/21/2013	Telephone: 916-445-9379
Date Made Active in Reports: 06/12/2013	Last EDR Contact: 05/21/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 04/01/2013	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 04/02/2013	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2013	Last EDR Contact: 07/05/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/18/2013	Source: Department of Conservation
Date Data Arrived at EDR: 03/19/2013	Telephone: 916-323-3836
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 06/17/2013
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/17/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 10

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/17/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/12/2013	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/01/2013	Telephone: 916-845-8400
Date Made Active in Reports: 06/25/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/17/2013	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/17/2013	Telephone: 866-480-1028
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 06/17/2013
Number of Days to Update: 10	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/03/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/17/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/17/2013	Telephone: 866-480-1028
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 06/17/2013
Number of Days to Update: 10	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 06/18/2013
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/11/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/11/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/06/2013
Date Data Arrived at EDR: 05/07/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 49

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 23

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/18/2013
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/26/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/29/2013	Telephone: 916-445-9379
Date Made Active in Reports: 05/16/2013	Last EDR Contact: 04/26/2013
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/06/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/07/2013	Telephone: 916-323-3400
Date Made Active in Reports: 06/25/2013	Last EDR Contact: 05/07/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2011	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2012	Telephone: 916-255-1136
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008	Source: California Air Resources Board
Date Data Arrived at EDR: 09/29/2010	Telephone: 916-322-2990
Date Made Active in Reports: 10/18/2010	Last EDR Contact: 06/25/2013
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 04/26/2013	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 04/26/2013	Telephone: 916-341-6422
Date Made Active in Reports: 05/16/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2013
Date Data Arrived at EDR: 05/07/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 49

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/17/2013
Number of Days to Update: 31

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/16/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 03/06/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 13

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/29/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/1998 Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007 Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008 Last EDR Contact: 05/03/2013
Number of Days to Update: 52 Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012 Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012 Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012 Last EDR Contact: 04/29/2013
Number of Days to Update: 49 Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012 Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013 Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013 Last EDR Contact: 04/29/2013
Number of Days to Update: 43 Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/06/2013 Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013 Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013 Last EDR Contact: 04/29/2013
Number of Days to Update: 63 Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/28/2012 Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012 Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013 Last EDR Contact: 05/01/2013
Number of Days to Update: 162 Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013 Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013 Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013 Last EDR Contact: 04/29/2013
Number of Days to Update: 42 Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013 Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013 Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013 Last EDR Contact: 04/29/2013
Number of Days to Update: 65 Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 156	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/02/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 04/04/2013
Number of Days to Update: 21

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/18/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 04/16/2013
Date Data Arrived at EDR: 04/17/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 29

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/04/2013
Date Data Arrived at EDR: 01/14/2013
Date Made Active in Reports: 03/01/2013
Number of Days to Update: 46

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 06/13/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/09/2013
Date Data Arrived at EDR: 04/10/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 34

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 01/09/2013
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/25/2013
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/20/2013
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 35

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 30

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/13/2013
Date Made Active in Reports: 03/21/2013
Number of Days to Update: 36

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/25/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 07/08/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 28

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/24/2013
Date Data Arrived at EDR: 04/24/2013
Date Made Active in Reports: 05/17/2013
Number of Days to Update: 23

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/24/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 05/20/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 32

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 04/29/2013
Date Made Active in Reports: 05/17/2013
Number of Days to Update: 18

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/17/2013
Number of Days to Update: 31

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/17/2013
Number of Days to Update: 31

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/08/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/08/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 17

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/17/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 05/15/2013
Date Made Active in Reports: 06/12/2013
Number of Days to Update: 28

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 05/15/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 41

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2013	Source: Health Care Agency
Date Data Arrived at EDR: 05/15/2013	Telephone: 714-834-3446
Date Made Active in Reports: 06/25/2013	Last EDR Contact: 05/10/2013
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/26/2013
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/12/2013	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 03/13/2013	Telephone: 530-745-2363
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/23/2013	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/24/2013	Telephone: 951-358-5055
Date Made Active in Reports: 05/17/2013	Last EDR Contact: 06/18/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/23/2013	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/24/2013	Telephone: 951-358-5055
Date Made Active in Reports: 05/16/2013	Last EDR Contact: 06/18/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/04/2013	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/11/2013	Telephone: 916-875-8406
Date Made Active in Reports: 05/14/2013	Last EDR Contact: 07/05/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/04/2013	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/12/2013	Telephone: 916-875-8406
Date Made Active in Reports: 05/16/2013	Last EDR Contact: 07/05/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/05/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 20

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/13/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2011	Telephone: 415-252-3920
Date Made Active in Reports: 03/15/2011	Last EDR Contact: 05/10/2013
Number of Days to Update: 5	Next Scheduled EDR Contact: 08/26/2013
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/25/2013	Source: Environmental Health Department
Date Data Arrived at EDR: 03/25/2013	Telephone: N/A
Date Made Active in Reports: 04/18/2013	Last EDR Contact: 06/18/2013
Number of Days to Update: 24	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/26/2013	Source: San Luis Obispo County Public Health Department
Date Data Arrived at EDR: 02/26/2013	Telephone: 805-781-5596
Date Made Active in Reports: 03/25/2013	Last EDR Contact: 05/28/2013
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/09/2013	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 04/10/2013	Telephone: 650-363-1921
Date Made Active in Reports: 05/14/2013	Last EDR Contact: 06/13/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/18/2013	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 03/19/2013	Telephone: 650-363-1921
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 06/17/2013
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/20/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/05/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/06/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 19

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/16/2013
Date Data Arrived at EDR: 05/17/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 39

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/13/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 29

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/20/2013
Date Data Arrived at EDR: 03/28/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/12/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/20/2013
Date Data Arrived at EDR: 03/28/2013
Date Made Active in Reports: 05/13/2013
Number of Days to Update: 46

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/12/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 04/01/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/02/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 41

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 42

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 05/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/22/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 34

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/20/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 01/28/2013
Date Data Arrived at EDR: 02/01/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 47

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 06/11/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/28/2013
Date Made Active in Reports: 05/13/2013
Number of Days to Update: 46

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/25/2013	Source: Yolo County Department of Health
Date Data Arrived at EDR: 03/29/2013	Telephone: 530-666-8646
Date Made Active in Reports: 05/13/2013	Last EDR Contact: 06/07/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/24/2013	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 05/24/2013	Telephone: 530-749-7523
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 05/20/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/20/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/21/2013	Telephone: 860-424-3375
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 05/21/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/09/2013	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/23/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/28/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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EDR DataMap® - Area Study

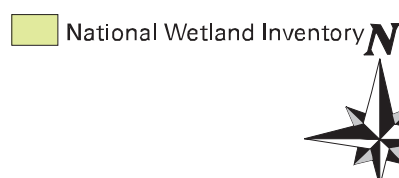
Keeler Dunes Dust Control Project



Keeler, CA



- | | | | |
|--|---------------|-------------|-------------------------|
| Listed Sites | Major Roads | Pipelines | Superfund Sites |
| Earthquake Epicenters (Richter 5 or greater) | Waterways | Powerlines | Federal DOD Sites |
| Search Boundary | Railroads | Fault Lines | Indian Reservations BIA |
| Roads | Contour Lines | Water | 100-Yr Flood Zones |



0 1/4 1/2
Scale in Miles